



Über dieses Buch

Dies ist ein digitales Exemplar eines Buches, das seit Generationen in den Regalen der Bibliotheken aufbewahrt wurde, bevor es von Google im Rahmen eines Projekts, mit dem die Bücher dieser Welt online verfügbar gemacht werden sollen, sorgfältig gescannt wurde.

Das Buch hat das Urheberrecht überdauert und kann nun öffentlich zugänglich gemacht werden. Ein öffentlich zugängliches Buch ist ein Buch, das niemals Urheberrechten unterlag oder bei dem die Schutzfrist des Urheberrechts abgelaufen ist. Ob ein Buch öffentlich zugänglich ist, kann von Land zu Land unterschiedlich sein. Öffentlich zugängliche Bücher sind unser Tor zur Vergangenheit und stellen ein geschichtliches, kulturelles und wissenschaftliches Vermögen dar, das häufig nur schwierig zu entdecken ist.

Gebrauchsspuren, Anmerkungen und andere Randbemerkungen, die im Originalband enthalten sind, finden sich auch in dieser Datei – eine Erinnerung an die lange Reise, die das Buch vom Verleger zu einer Bibliothek und weiter zu Ihnen hinter sich gebracht hat.

Nutzungsrichtlinien

Google ist stolz, mit Bibliotheken in partnerschaftlicher Zusammenarbeit öffentlich zugängliches Material zu digitalisieren und einer breiten Masse zugänglich zu machen. Öffentlich zugängliche Bücher gehören der Öffentlichkeit, und wir sind nur ihre Hüter. Nichtsdestotrotz ist diese Arbeit kostspielig. Um diese Ressource weiterhin zur Verfügung stellen zu können, haben wir Schritte unternommen, um den Missbrauch durch kommerzielle Parteien zu verhindern. Dazu gehören technische Einschränkungen für automatisierte Abfragen.

Wir bitten Sie um Einhaltung folgender Richtlinien:

- + *Nutzung der Dateien zu nichtkommerziellen Zwecken* Wir haben Google Buchsuche für Endanwender konzipiert und möchten, dass Sie diese Dateien nur für persönliche, nichtkommerzielle Zwecke verwenden.
- + *Keine automatisierten Abfragen* Senden Sie keine automatisierten Abfragen irgendwelcher Art an das Google-System. Wenn Sie Recherchen über maschinelle Übersetzung, optische Zeichenerkennung oder andere Bereiche durchführen, in denen der Zugang zu Text in großen Mengen nützlich ist, wenden Sie sich bitte an uns. Wir fördern die Nutzung des öffentlich zugänglichen Materials für diese Zwecke und können Ihnen unter Umständen helfen.
- + *Beibehaltung von Google-Markenelementen* Das "Wasserzeichen" von Google, das Sie in jeder Datei finden, ist wichtig zur Information über dieses Projekt und hilft den Anwendern weiteres Material über Google Buchsuche zu finden. Bitte entfernen Sie das Wasserzeichen nicht.
- + *Bewegen Sie sich innerhalb der Legalität* Unabhängig von Ihrem Verwendungszweck müssen Sie sich Ihrer Verantwortung bewusst sein, sicherzustellen, dass Ihre Nutzung legal ist. Gehen Sie nicht davon aus, dass ein Buch, das nach unserem Dafürhalten für Nutzer in den USA öffentlich zugänglich ist, auch für Nutzer in anderen Ländern öffentlich zugänglich ist. Ob ein Buch noch dem Urheberrecht unterliegt, ist von Land zu Land verschieden. Wir können keine Beratung leisten, ob eine bestimmte Nutzung eines bestimmten Buches gesetzlich zulässig ist. Gehen Sie nicht davon aus, dass das Erscheinen eines Buchs in Google Buchsuche bedeutet, dass es in jeder Form und überall auf der Welt verwendet werden kann. Eine Urheberrechtsverletzung kann schwerwiegende Folgen haben.

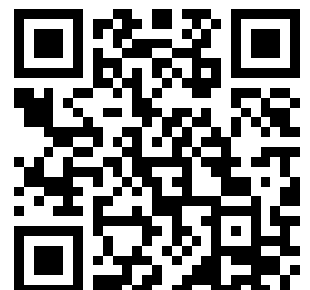
Über Google Buchsuche

Das Ziel von Google besteht darin, die weltweiten Informationen zu organisieren und allgemein nutzbar und zugänglich zu machen. Google Buchsuche hilft Lesern dabei, die Bücher dieser Welt zu entdecken, und unterstützt Autoren und Verleger dabei, neue Zielgruppen zu erreichen. Den gesamten Buchtext können Sie im Internet unter <http://books.google.com> durchsuchen.

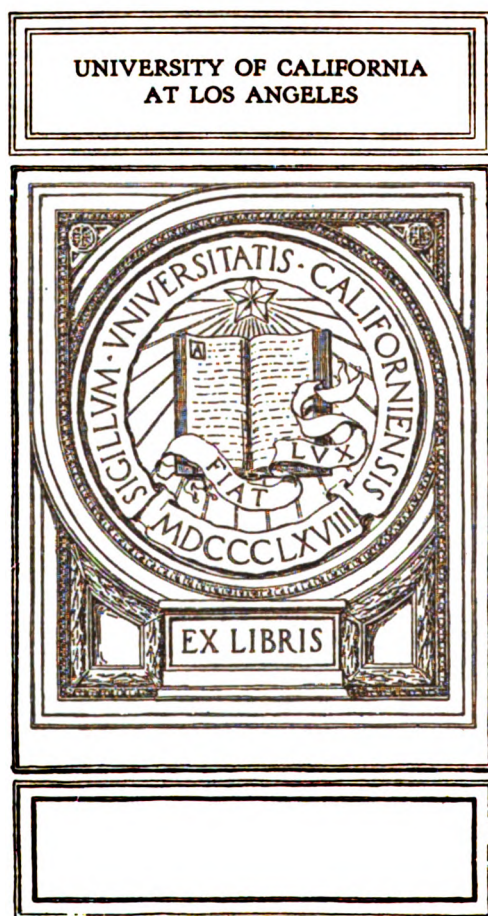
This is a reproduction of a library book that was digitized by Google as part of an ongoing effort to preserve the information in books and make it universally accessible.

GoogleTM books

<https://books.google.com>



L11
583
v. 51



The Journal of Education and School World

A Monthly Record and Review.

JANUARY TO DECEMBER, 1919.

UNIV. OF CALIFORNIA
AT LOS ANGELES LIBRARY

VOLUME LI.

LONDON: MR. WILLIAM RICE, LUDGATE BROADWAY, E.C. 4.

1919.

AMPROLAD TO VINU
MAGSALUBANGA

INDEX.

PAGES 1 to 76 are in the January number; 77 to 140, February; 141 to 200, March; 201 to 260, April; 261 to 332, May; 333 to 420, June; 421 to 500, July; 501 to 560, August; 561 to 640, September; 641 to 712, October; 713 to 776, November; 777 to 852, December.

[A.] indicates titles of Articles; [C.] Correspondence; [O.] Obituary Notices.

- A.B., The Superannuation Act [A.], 102.
A Warning (Methuen & Co., Ltd.) [C.], 596.
ABERDEEN UNIVERSITY—44, 167, 235, 382, 458, 542, 602.
Aberystwyth University College—234, 376, 542.
Ackworth School, Yorks, 730.
Acts—Education, 152, 211, 271, 518, 546, 548, 708, 789; (Scotland) Superannuation, 460; Teachers' Superannuation, 26, 89, 96 (A.B.), 102, 211, 274, 680, 741, 798; School Teachers' Superannuation Act (E. Strudwick, &c.) [C.], 810; The Superannuation Act (W. Harris) [C.], 524.
Advanced Courses (Circular 1112), 436.
Advanced Courses in Modern Studies, by Dr. F. A. Hedgcock [A.], 369.
Aerial navigation, 435.
Age limit, in England and U.S.A., 358.
Agricultural Education and Secondary Schools, by C. W. H. Greaves [A.], 439.
Agriculture and school attendance, 212, 792.
An Old Pupil, Dr. Percival [O.], 15.
Anglo-French Review, 275.
Anglo-French Society, 96.
Anglo-Belgian Union, 731.
Apparatus, use in education, 651.
Appointments and retirements—93, 355, 380, 382, 442, 458, 517, 540, 542, 544, 580, 602, 654, 730, 744, 795.
Appointments Department—437, 516, 544.
Apprentices, aid for, 731.
Archæological Aids in Schools, The Use of, by S. E. Winbolt, M.A. [A.], 807.
Argentine Republic, 40.
Army Schoolmasters (Army Schoolmaster) [C.], 658.
Arnold, Matthew, reports on elementary schools, 653.
Art for schools, 519.
ASSOCIATIONS:—
Assistant Masters—128, 794; (Irish Branch), 296.
Assistant Mistresses, 128, 214, 357.
Boys' Welfare, 655.
British, 356, 608, 671.
British Astronomical, 518.
Classical, 407.
Decimal, 24.
Directors of Education, 152.
Education Officers, 216.
Educational, 129, 731.
For the Advancement of Education in Industry and Commerce, 448.
Froebel Society and Junior Schools, 129.
Geographical—20, 130; (Irish), 237, 546.
Head Masters, 127.
Head Mistresses, 154, 357.
Head Teachers National, 498.
Humanistic Studies, 108.
Historical, 15, 20, 130.
Mathematical, 130.
Modern Language—20, 24, 131, 518; (Welsh Branch), 376; (Western Branch), 519.
National Society of Art Masters, 131.
Private Schools, 128.
Public School Science Masters, 130.
Reform of Latin Teaching, 373.
Science Masters, 518, 796.
Science Teachers, 102, 131.
Scottish Education Authorities, 460.
Secondary Schools—154, 442; (Irish), 108.
Simplified Spelling Society, 134.
Teachers of Domestic Subjects, 278, 519.
University Women Teachers, 129, 154.
Uplands Open-Air Education Trust, 24.
Welsh County Schools, 44, 293.
Atlantic crossed by aircraft, 435, 518.
Attendance, school, 272.
Bancroft, E. M., Head Mistresses in Conference [A.], 440.
Barnard, A. B., Education of Girls Out of School [A.], 163.
BELFAST, QUEEN'S UNIVERSITY, 296.
Bequests and benefactions, 93, 156.
Biblical study, vacation term, 278.
Bills—Agriculture, 792; Education (Irish), 384, 606, 684, 748.
Bingley Training College, 278.
BIRMINGHAM UNIVERSITY, 517.
Board of Education—Departmental Committee of inquiry, 731; report (1917-18), 436.
Books of the Month—72, 134, 196, 220, 298, 386, 462, 524, 588, 660, 770, 846.
Books wanted for Egypt and Salonika (A. W. Bain) [C.], 160; school textbooks, 791.
Booth, T. K. M., and T. S. Usherwood, Educational Reconstruction and the Curriculum [A.], 33.
Boy scouts, Argentine Republic, 40.
Bridge, G. F., Why are not Modern Languages Respected? [A.], 534.
Bristol, Merchant Venturers' Secondary School, 519.
BRISTOL UNIVERSITY, 253.
British and Foreign School Society, 357.
Brooks, L., How and where to Hire Geographical Lantern Slides [A.], 214.
Bryant, V. S., Education in the Preparatory School [A.], 289.
Busbell, W. F., School Punishments [A.], 532, 579.
CAMBRIDGE UNIVERSITY, 234, 730; Chemical School, 374; foreign language diploma, 740.
Canada—284, 522.
Cape of Good Hope—40, 359, 521, 676, 812.
Cardiff University College—166, 234, 458.
Careers for Secondary School Boys, How to find [A.], 517.
Ceylon, 106.
Child Study Society, 731.
Children—Committee on Wage Earning, 104; employment of, 727; milk supply for, 802.
Christ's Hospital, 351.
Circulars—1102, 273; 1112, 436; 1116, 578; 1119, 518; 1124, 576.
Citizenship, training in, 672.
Civic Education League, 727.
Civil Service—clerkships, 352; higher posts, 152.
Classics, 290, 374, 739.
Club leadership training, 726.
Club Workers, The Religious and Social Training of (H. Bissek, &c.) [C.], 764.
College of Preceptors, training teachers of commercial subjects, 655.
Colombia, 218.
Columbia University, 217.
Commercial Instruction, The Board of Education and [A.], 578.
Composition Lesson, Topical Subjects in the, by A. Cruse [A.], 372.
Conference of Educational Associations, 1920, 802.
Contents Tables—11, 87, 151, 211, 271, 351, 435, 513, 575, 651, 725, 789.
Continuation Classes, Dublin, 460.
Continuation, England and United States, 217, 280.
Continuation School Problem, The [A.], 16.
Continuation Schools—aims, 273, 436; day, 211, 575; in industrial areas, 228, 271; Lancashire, 792; obstacles, 513; staffing, 271, 273; teaching, 164.
Continuation Schools, The Buildings required for Compulsory [A.], 194.
Conway, E. R., Urgent Problems of Educational Reconstruction [A.], 32.
Co-operation of Home and School, The, by Dr. H. E. Piggett [A.], 593.
Cork University College, 730, 748.
Correspondence—35, 103, 158, 220, 292, 373, 450, 522, 595, 659, 763, 809.
Cruse, A., Topical Subjects in the Composition Lesson [A.], 372.
Curriculum, preparatory school, 290.
Davison, Dr. C., Mathematical Problem Papers [A.], 90.
Deaf, training teachers for the, 374.
Decorations, New Year's, 92.
Demobilization, teachers', 98.
Departmental Committee reports, 608.
Determination of the Value of g (C. J. L. Wagstaff) [C.], 35.
Diet in Schools (C. E. Hecht), 220.
Directory of Education Associations, 187, 224.
Discovery, 796.
Dublin—Alexandra College, 546; Royal College of Science, 237; Trinity College, 50, 386, 442, 460, 544.
Dumfries, Educational Institute, 460.
Dundee University College, 107.
E. H., Dr. E. C. Selwyn [O.], 15.
East Midland University, An, 102.
Economic History, 790.
Edinburgh—Educational Institute, 682, 740; George Watson's College, 236; Heriot-Watt College, 236; St. George's Training College, 608.
EDINBURGH UNIVERSITY—46, 107, 235, 294, 382, 458, 542, 602.
Education—additional courses, 136; and the Church, 89; Army, 88, 653; continued, 151, 436; cost, 652, 789; demobilized young war workers, 11; fundamental principles, 672; Irish, 384; Judge Atkinson, 166; Miss Oldham on girls', 440; Mr. Sharp's elementary constructive, 727; National Democratic Party's aims, 518; new ideals in, 582; physical, 790; primary, as women's profession, 158; Professional Classes War War Relief, 89; R.A.F., 156; rush for, 789; scientific, 729; State aid here and abroad, 357; theories of, 290.
Education, Conference of New Ideals in, 357.
Education, Fundamental Principles of: The Literary Aspect, by F. S. Preston [A.], 728.
Education at the British Association [A.], 671.
Education Conference, North of England, 796.
Education Committees, travelling expenses, 353.
Education Estimates, 272.
Education Estimates, The (T. J. Burke) [C.], 373.
Education in the Army [A.], 438.
Education in the Preparatory School, by V. S. Bryant [A.], 289.
Education of Ex-Service Students, Higher, 534.
Education of Girls out of School, by A. B. Barnard [A.], 163.

- Education of the Small-Holder, The (A Teacher) [C.], 160.
- Education Within the Army (Civis) [C.], 158.
- Educational Councils, 212.
- Educational ladder, 437.
- Educational meetings, expenses, 89.
- Educational Reconstruction, Urgent Problems of, by R. Oldham, E. R. Conway, C. L. Laurie, S. Maxwell, S. B. Lucas [A.], 31.
- Educational Reconstruction and the Curriculum, by T. K. M. Booth and T. S. Usherwood [A.], 33.
- Elementary schools, new code, 253.
- Engineering Training Organization, 216.
- English—Departmental Committee on, 351, 356; teaching of, 671.
- English, The Teaching of, by Sir A. Quiller-Couch [A.], 737.
- Entertainments, children's, 88.
- Etiquette, code for teachers, 727.
- Eton College, inclusive fees, 652.
- Eugenics Education Society, 731.
- Evening Classes, 94, 710.
- Examinations—Cambridge Local, 24, 520, 658; Central Welsh Board, 678; educational function, 673; Higher School and Intermediate, 514; Irish Intermediate, 684; Manchester's new plan, 437; matriculants' psychological, 151; Oxford and Cambridge School, 293; Oxford Local, 790; pass in external school, 652; R.A.F. Cadet College Entrance (A Head Mistress) [C.], 596; school, 608; British Scientific Products, 217, 520; framed wall papers, 577.
- Experiment in Self-Government, An (Head Master) [C.], 809.
- Faraday House Electrical Engineering College, 217, 386, 588.
- Fees, school, 652.
- Ferguson, R. W., The Works School and its Place in our Educational System [A.], 453.
- Fisher, Mr., *obiter dicta*, 87.
- Foreign and Dominion Notes—38, 105, 165, 217, 280, 358, 455, 520, 596, 673, 740, 811.
- France—agriculture for women, 521; Alsace-Lorraine, 105, 282; children and the war, 38; continuation, obligatory, 597; classics, 674; fencing, 674; French university abroad, 521, 812; girls' secondary education, 218; higher education, 597; juvenile delinquency, 597; kinemas in schools, 456; *l'école unique*, 105; M. Anatole France, 676; monument to fallen teachers, 165; national education scheme, 674; pedagogy and universities, 740; poetry in the school, 456; primary teachers' salaries, 359, 811; secondary school recruitment, 38; Spanish at Sorbonne, 597; Strasbourg University, 455; teacher trade unionist, 358, 811; technical education, 811; unity over science, not literature, 597; Universities, 676; women teachers' salaries, 165.
- "Free-Place" System, The [A.], 19.
- French Language—advanced courses, 371.
- French School Grammar of Present Day (J. E. Mansion, C. F. Herdener, The Reviewer) [C.], 763.
- G. F. B., Francis Storr [O.], 276.
- Gases, Determination of the Rates of Diffusion of (E. J. Sumner) [C.], 595.
- Geographical Lantern Slides, How and Where to Hire, by L. Brooks [A.], 214.
- Geographical Slides, The Supply of (E. R. Broome) [C.], 373.
- Geography, Cambridge Tripos, 151.
- Germany—educational conditions, 521, 812; educational principles, 740; *Einheitsschule*, 577; psychological tests, 577, Rhine army's education, 676; Spartacus, 165.
- Germany, The New, by Prof. L. W. Lyde [A.], 531.
- Girl Guides, 163.
- Girton Jubilee, The [A.], 578.
- Glasgow—Provincial Committee, 460; Royal Technical College, 236, 458.
- GLASGOW UNIVERSITY—44, 107, 167, 235, 380, 458, 542, 602.
- Government Committees on Science and Modern languages, reports, 652.
- Grace term, Brighton teachers', 514.
- Grants—educational, for ex-service men, 588, 658; for secondary schools, 518; new substantive, 366.
- Greaves, C. W. H., Agricultural Education and Secondary Schools [A.], 439.
- Greek—accentuation, 597; at Cambridge, 88; at Oxford, 212.
- Guild of Education as National Service, 656.
- Harrow School, 95.
- Hawaii, 218.
- Head masters, appointment of, 351.
- Head Mistresses in Conference, 1919, by E. M. Bancroft [A.], 440.
- Health of London School Children [A.], 654.
- Health visitors, school, 577.
- Hedgecock, Dr. F. A., Advanced Courses in Modern Studies [A.], 369.
- Higher education, expenditure, 353.
- Higher School Examination in its Relation to University Courses [A.], 17.
- Hills, W. N., "Go As You Please" in the Organization of Language Classes [A.], 353.
- History—in United States, 455; and Citizenship (A. T. L. G.) [C.], 104; the Teaching of (W. A. Young) [C.], 103.
- Holidays—school peace, 548; in Secondary Schools (K. Stephen) [C.], 450.
- Honours list of educationists, 355, 442.
- Housecraft—training in, 13; in girls' schools, 437.
- Imagination, The Education of the (L. Rugg) [C.], 292.
- India—Bombay teaching degree, 165; education report, 284; boys' elementary education, 38; education in Punjab, 218; Travancore, 40; University Commission, Calcutta [A.], 793; university education, 456, 598, 740; vocationalism, 40; women's education, 741.
- Indian as an Examinee, The (S. S. Krishnaswamy) [C.], 220.
- Industrial Welfare Society, 798.
- Inspectorate, 156.
- Insurance Society, The Secondary, Technical and University Teachers' (J. D. McClure and H. Busk) [C.], 293.
- Intermediate Education in Ireland, by J. Thompson [A.], 29.
- Ireland—Agriculture, 108, 460; bishops' views of education, 384; Classical Association, 167; Departmental Committee to reorganize education, 384; Education Bill, 384, 606, 684, 748; educational estimates, 356; educational reconstruction, 107, 167, 296, 460; inspectors' reports, 606; intermediate education, 48, 108, 236, 544, 604, 686; intermediate prizes and exhibitions, 746; juvenile labour, 107; majority reports, 384; secondary education, 167; Secondary Teachers' Association, 108; teachers' salaries, 48, 544; teachers' war bonuses, 460; technical congress, 460; university election candidates, 46, 107.
- Italian language, 152; summer school, 655.
- Italy, co-education, 456.
- J. S. D., The Wind Currents of the World [A.], 231.
- January meetings, 127.
- Japan, 359.
- Joint Standing Advisory Committee, 576.
- Journal of the British Science Guild, 656.
- Juvenile Unemployment Centres Advisory Committee, 153.
- Kent Education Committee, administrative system, 727.
- Kinema—educational, 725; invention, 586.
- King, the, on education, 515.
- King at Westminster School, The [A.], 216.
- King's Lynn, King Edward VII. Grammar School, 731.
- Labour Party, memoranda on continued education, 436.
- Lancashire and Cheshire Institutes, Union of, 732.
- Lancing College, 460.
- Language Classes, "Go as you please" in the Organization of, by W. N. Hills [A.], 353.
- Laurie, C. L., Urgent Problems of National Reconstruction [A.], 32.
- League of Empire War Memorial (M. J. Rendall) [C.], 103, 220.
- League of Nations, 11.
- Lectures, musical appreciation, 656.
- Lecturing *versus* reading, 651.
- LEEDS UNIVERSITY—293, 540.
- Legal case—Emslie, 684.
- LIVERPOOL UNIVERSITY, 13.
- Livesey, C. E. L., Preliminary Education of Medical Students [A.], 669.
- Local Advisory Committees, 576.
- Local Education Authorities—assistance to intending teachers, 576; responsibility of, 514.
- Local Education Committees, Whitley Committees, 238.
- London—Employment Committees, secondary school, 586; King's College, 234, 789; School of Medicine for Women, 610; Tonic Sol-fa College, 356; Westfield College, 386, 546.
- London County Council—educational work, 278; Handbook of Classes and Lectures for Teachers, 656; managers of schools, 156.
- LONDON UNIVERSITY—234, 374; degrees in commerce, 515; journalism diploma, 655; military science training, 741; modern language certificates, 276.
- Lucas, S. B., Urgent Problems of National Reconstruction [A.], 33.
- Lyde, Prof. L. W., The New Germany [A.], 531.
- Manchester—Ancoats Holiday Play School, 584.
- Manchester Education Committee, 437.
- MANCHESTER UNIVERSITY—293, 374, 608.
- Mathematical Problem Papers, by Dr. C. Davison [A.], 90.
- Matriculation, War students', 586.
- Maxwell, S., Urgent Problems of National Reconstruction [A.], 32.
- Medical service, school, 271; Stafford scheme, 792.
- Medical students, first school examination, 89.
- Medical Students, Preliminary Education of, by C. E. L. Livesey [A.], 669.
- Medical treatment of school children, 12, 271.
- Medical officers, demobilized school, 158.
- Mexico, 812.
- Modern Languages—293; at universities, 374; bilingualism in Wales, 457.
- Modern Languages Respected? Why are not, by G. F. Bridge [A.], 534.
- Montessori Training Course, 448; system, 651.
- Munition work in London educational institutions, 22.
- Munster University proposal, 460.
- Museums, 725.
- Music—teaching in schools, 576; Reconstruction in (W. H. Thelwall) [C.], 810.
- Music Teachers, Training School, 96.
- N.U.T.—28, 98, 158, 238, 366, 498, 548, 610, 710, 734, 804.
- National Home-Reading Union (J. W. Mackail) [C.], 764.
- National Council for Domestic Studies, 798.
- National Federation of Class Teachers, 734.
- Nature, 796.
- Navy League, bursaries, 37.
- New South Wales—218, 598.
- New Zealand—159, 456.
- Newcastle-upon Tyne, educational system, 727.
- Nursery Schools—156, 515.
- Oakham School, 296.
- Obituary—Ainger, Mr. A., 795; Chetwynd-Stapylton, Rev. W., 214; Creak, Miss E. E. M., 444; Forth, Captain F. C., 275; Foster, Prof. G. C., 154; Greenfield, Prof. W. S., 602; Hilbert, Mr. L., 795; Howson, Mr. G. W. S., 53; Knowing, Canon R. J., 517; Lansdel, Rev. Dr. H., 731; Maberley, Mr. A. O., 731; Mahaffy, Rev. Sir J. P., 355, 386; Nicholas, Capt. J. A., 154; Nisbet, Rev. M. A., 655; Olley, Mr. H. R., 602; Perez, Rev. C. H., 154; Percival, Dr., 15, 274; Phythian-Adams, Rev. E. C., 214; Price, Miss M. E., 602; Rayleigh, Lord, 517; Rintoul, Mr. D., 356; Roberts, Principal T. F., 580; Selwyn, Dr. E. C., 15; Sharples, Mr. G., 654, 710; Storr, Mr. F., 276; Thompson, Miss M., 795; Williams, Miss E., 154.
- Occasional Notes—11, 87, 151, 211, 271, 351, 435, 513, 575, 651, 725, 789.
- Oldham, Reta, Urgent Problems of Educational Reconstruction [A.], 31.
- Onlooker (see Personal Paragraphs).
- Orange Free State, 456.
- Orphanages, world, 92.
- OXFORD UNIVERSITY—compulsory Greek, 234, 435, 457, 540; Creweian Oration, 598; Extension Summer Meeting, 651; Summer School of Education, 446, 731; Training Delegacy, 790.
- Lady Margaret Hall, 296; St. Hugh's College, 296; Somerville College, 296.
- Parents' National Educational Union, 356, 731.
- Parliamentary elections, 92.
- Paton, J. L., Scholarships to the University [A.], 18.
- Patriotism in schools, 496.
- Peace terms, 351.
- Pensions, Scottish teachers', 236.
- Perse School Tercentenary Fund, The (A. C. Croft, &c.) [C.], 103.
- Personal Paragraphs, by Onlooker, 13, 92, 153, 213, 274, 355, 442, 517, 580, 654, 730, 795.
- Piggott, Dr. H. B., The Co-operation of Home and School [A.], 593.
- Poetry, To a Philosopher, by F. W. B., 50.
- Presentation, Sir W. Osler, 520.
- Preston, F. S., Fundamental Principles of Education: The Literary Aspect [A.], 728.
- Primary School Notes, 26, 96, 156, 238, 328, 364, 496, 546, 610, 708, 732, 802.
- Primary schools, development, 153.

Private Schools, under new Acts, 358.
Prize Awards—Translation: "Dans les démocraties," &c. (de Tocqueville), 392; "Il ne faut pas," &c. (Th. Jouffroy), 472; "Je me trouve fort bien ici," &c. (E. Renan), 174; "Le printemps se répandait," &c. (A. Maurel), 664; "On a peint," &c. (C. Nodier), 550; "Qu'est ce qui préside?" &c. (Michelet), 748; "Si nous disions," &c. (T. Gautier), 52; "Towards the afternoon," &c. (R. Curzon), 300; "Ueberall, in Angriff und Abwehr," &c. (Von Sybel), 114; quotations competition, 612.
Prize Competitions—52, 114, 174, 248, 300, 392, 472, 550, 612, 664, 748; Naval Essay, 519; Quotations, 552.
Professional Workers' Federation, 216.
Provincial councils, 364.
Psychological Society, British, 216.
Psychological tests, 352.
Public schools, effect of the war on, 352.
Public Schools Boxing Championships, 273.
Punishment, Children's Ideas on, by Walter Wood [A.], 91.
Punishments, School, by W. F. Bushell [A.], 532, 579.
Queensland, 106, 218, 284.
Quiller-Couch, Sir A., The Teaching of English [A.], 737.
Rates, education, special areas, 153.
Reading, educative, 515.
Reading and Education (C. M. Mason) [C.], 596.
Reforms, national, 213.
Religion and the Classics (R. B. Appleton) [C.], 524.
Reviews and Minor Notices—63, 108, 168, 238, 319, 408, 487, 536, 627, 764, 839 (see separate Index).
Rhodesia, 812.
Roads of Remembrance (M. H. Morrison) [C.], 373.
Royal Academy of Music and Royal College of Music, 16, 357, 519.
Royal Air Force Cadet College, 725.
Royal Drawing Society, 278.
Royal Society of Arts, 456.
Rugby School, 730.
Ruskin and Education, John [A.], 101.
ST. ANDREWS UNIVERSITY—167, 235, 294, 380, 458, 542, 602.
St. Bees School, 296.
St. Deiniol's Library, 678.
Salaries—continuation schools, 804; elementary-school teachers', 26, 238, 364, 576, 606, 658, 732; French primary teachers', 359; Irish teachers', 48, 460, 544; masters', 652; men's, 548; men's and women's, 366, 498; N.U.T., 548, 731; Scottish teachers', 46, 236, 296, 604, 680; secondary-school teachers' and Joint Advisory Council, 606; teachers in reformatory schools 792, technical institutions 212; teachers' national scale, 98, 610, 710; Swansea teachers', 107; United States teachers', 521; Welsh teachers', 107, 234, 294, 376, 457, 678.
Salaries in Secondary Schools, The Balance of (A. E. Lloyd) [C.], 36.
Scholarships—Rhodes, 12; for discharged soldiers and sailors, 20; research, for medical women, 588; secondary school, 164, 233, 789; university for women, 152.
Scholarships for Oversea Sailors and Soldiers [A.], 19.
Scholarships to the University, by J. L. Paton [A.], 18.
School, source of division, 213.
School attendance, 96.
School buildings and capital expenditure, 353.
School medical service, 212.
School of Speech Training and Dramatic Art, Central, 40.
School Science Review, The 518.
Schoolmasters, scheme of naval service, 22.
Schools—boarding, 789; private, census, 211.
Science—in education, 458; school and university, 217; teaching, 438, 652, 671; tap, improvised (N. M. Johnson) [C.], 811.
Science Guild, British, 448.
Scotland—bursary scheme, 296; Carnegie Trust, 235; Education Act, 167; Education Authorities, 236, 296, 382, 604, 744; Education Department's salary scales, 680; Education Department's report, 604; grants for education, 296; leaving certificate examination, 107; medical inspection co-ordinated, 682, 744; Provincial Committees for Training of Teachers, 236; religious instruction, 744; school buildings and loans, 460; teachers' salaries, 46, 236, 296, 604, 680.
Scouting and out of school training, 672.

Secondary education, 437; Bradford free, 791.
Secondary schools—439, 804; regulations, 1919, 435.
Shakespeare Day, 280.
South Australia, 741.
Spain, A Holiday Course in (E. A. Peers) [C.], 292.
Staff Sight-Singing College, The Incorporated, 584.
Stammering, 802.
State Bonus and Education, The (D. Milner) [C.], 37.
Statistics, The Compilation of (G. Drage), [C.], 524.
Storr, Francis, by G. F. B. [O.], 276.
Strikes, teachers', 272, 352, 514, 575.
Students, ex-service and the universities, 357.
Sudan, 40.
Summer Courses in England, 446.
Summer School—in Snowdonia, 446; Oxford, 446, 731.
Superannuation—qualifying service, 791; Scottish teachers', 680; university teachers', 356.
Swansea Technical College, 234, 294, 458, 542.
Swansea Training College, 458.
Swimming, 515.
Swimming baths, school, 577.
Teachers—additional duties, 802; continuation school, 238; demobilized men as, 213; scarcity, 436, 548, 576; Secondary School War Relief Fund (A. A. Somerville, &c.) [C.], 810; supply, 26, 364, 374, 653, 708, 726; training, 650, 790; overseas, 160.
Teachers' Christian Union, 357.
Teachers' Guild of Great Britain and Ireland, 129, 286.
Teaching, continuation school, 513.
Teaching profession, unity desirable, 726.
Technological students and general education, 13.
Thompson, J., Intermediate Education in Ireland [A.], 291.
Tiptree Hall war orphans' community, 658.
Tonic Sol-fa College, 371.
Topics and Events—20, 94, 154, 216, 278, 356, 446, 518, 582, 655, 731, 796.
Toys, martial, 218.
Training of Continuation School Teachers (H. D. Oakeley) [C.], 37.
Training School for Music Teachers, 366.
Trophies, war, for schools, 498.
Ulster, education, 48.
United States—Carnegie Foundation, 674; citizenship teaching, 596; Clark University, 455; commercial education, 596; continuation, 105, 358, 520, 673; Department of Education, 104; discipline from War, 217; education, 165, 280; experimentation, 165; German, 673; history teaching, 455; internationalism through science, 673; Johns Hopkins University, 597; "business economics," course, 673; Latin, 38; mathematics teaching, 732; medical education, 105; moral union of English-speaking peoples, 358; relation to Britain, 105; salaries of Ministers of Education, 597; scholarship and war inventions, 740; science research, 358; school buildings, 282; sex problems, 455; teachers' salaries, 521; training in citizenship, 282; Universities, 740; vocationalism, 38, 520.
Universities—admission of students from the Army, 11; benefactions, 12, 374; British, meeting, 233; call of teachers to, 610; election of Parliamentary representatives, 37, 93, 293; Exchequer grants, 273, 376; language staffs, 652; lecturers' salaries, 12, 233; problems of Oxford and Cambridge, 513; reconstruction, 741; S.W. England, 293; teachers' pensions, 12.
Universities and Schools, 42, 106, 166, 233, 293, 374, 457, 540, 598, 678, 741.
UNIVERSITY OF WALES—44, 106, 293, 376, 542.
Victoria Cross, awarded to Captain B. W. Vann, M.C., 93.
Vocational training, 729.
Vocationalism, in the Dominions, 286.
Wage-earning Children, Committee on, 450.
Wales—advanced courses, 166, 294; appointments, 742; Appointments Board, 234; Board of Education's report, 542; Education Authorities, 234; education problems, 457; Federation of Education Committees, 376; Glamorgan Education Scheme, 742; National Library, 106; rural lore, 600; secondary education, 540, 600; supply of teachers, 742; teachers' salaries, 107, 234, 294, 376, 457, 678; teachers' training, 742; University extension scheme, 600; Welsh Department's guide to Local Authorities, 294.
Central Welsh Board—42, 294, 457, 678; (A member of the Central Welsh Board) [C.], 104.
Walker Trust Essays, 278.
War Memorials—44, 93, 103, 274, 542.
Western Australia, 165.

Whitley Councils, and teaching, 655.
"Why are not Modern Languages Respected?" (X. Y. Z.) [C.], 764.
Wilson, President, 87.
Winbolt, S. E., M.A., The Use of Archæological Aids in Schools [A.], 807.
Wind Currents of the World, The, by J. S. D. [A.], 231.
Wood, Walter, Children's Ideas on Punishment [A.], 91.
Works School and its Place in our Educational System, The, by R. W. Ferguson [A.], 453.
Y.M.C.A., educational work, 584.

REVIEWS AND MINOR NOTICES.

BIOGRAPHY.

Barnett, Canon: His Life, Work, and Friends (His Wife), 108.
Faraday, Michael (J. A. Crowther), 328.

CLASSICS.

Classical Philology, Harvard Studies in—Vol. XXIX, 408.
Death of Turnus, The (W. W. Fowler), 701.
Greek Theatre and its Drama, The (R. C. Flickinger), 489.
"Early Christian Classics: Texts for Students"—No. 5, A Translation of the Latin Writings of St. Patrick (Canon N. White); No. 6, Selections from the Vulgate (arranged by Dr. H. J. White); No. 7, The Epistle of St. Clement of Rome—701.
Horace: Select Odes (J. Jackson), 764.
Key to Exercises on Rules for Latin Prose (T. C. Weatherhead), 841.
Latin, Beginner's Guide to (G. G. Loane), 700.
Latin Elegiac Verse Composition (R. Meldrum), 701.
Latin Elegiac Verse Composition, Elementary (R. Meldrum), 701.
Latin Epigraphy (Sir J. Sandys), 536.
Latin Grammar for Beginners, A (A. M. Dale), 765.
Latin Primer, The New (J. P. Postgate and C. A. Vince), 240, 328.
Latin Reader, A. (A. Petrie), 65.
Latin, The Syntax of High-School (edited by L. Byrne), 65.
Latin Translation Book, Elementary (Rev. Dr. A. E. Hillard and C. G. Botting), 765.
L'Horticulture antique et le poème de Columelle (L. B. Marshall), 110.
Libri Sancti Patricii (edited by Dr. N. J. D. White), 65.
Lucretius on the Nature of Things (Sir R. Allison), 841.
Minutius Felix: The Octavius (J. H. Freese), 841.
Neo-Platonists, The (T. Whittaker), 242.
P. Papini Stati Silvae (J. S. Phillimore), 242.
Roman History, Literature and Antiquities; An Introduction (A. Petrie), 65.
St. Ambrose (Rev. T. Thompson and Dr. Srawley), 841.
(1) Selections from Matthew Paris; (2) Selections from Giraldus Cambrensis (Dr. C. A. J. Skeel), 65.
Sibylline Oracles, The—Books III-V (Rev. H. N. Bate), 65.
Speeches from Thucydides, selected from Jowett's Translation, 765.
Virgil: Aeneid V (C. E. Freeman), 764.
Virgil: Aeneid X (Papillon and Haigh), 764.

EDUCATION.

America at School and at Work (H. B. Gray), 321.
Auto-erotic Phenomena in Adolescence (K. Menzies), 630.
Biology of Sex, for Parents and Teachers (Dr. T. W. Galloway), 409.
Child, The Natural History of (Dr. C. Dunn), 701.
Childhood, Handicaps of (H. A. Bruce), 630.
Christian Ideals in the Teaching Profession, some (A. S. Paul), 490.
Co-education, Advance in (edited by A. Woods), 699.
Comparative Education: Studies of the Educational Systems of Six Modern Nations (edited by P. Sandiford), 64.
Continuation Schools, The Problem of the (E. Young), 490.
Dream of Youth, A (M. Browne), 170.
Echo Personalities (F. Watts), 170.
Educating by Story-telling (K. D. Cather), 488.
Education, Catholic (Rev. Dr. J. A. Burns), 841.

Education, Ethics of (B. de Normann and G. Colmore), 66.
 Education, Experimental (R. R. Rusk), 321.
 Education, Introduction to the Scientific Study of (C. H. Judd), 170.
 Education, Problems of National (edited by J. Clarke), 488.
 Education, Suggestions of Modern Science concerning (H. S. Jennings, J. B. Watson, A. Meyer, and W. I. Thomas), 701.
 Education, The Port-Royalists on (H. C. Barnard), 409.
 Education, The Young Wage-Earner and the Problem of his (J. J. Findlay), 65.
 Education Act, 1918, A Guide to the (K. E. T. Wilkinson), 322; (Scotland) (Dr. J. Strong, &c.), 841.
 Education and Social Movements (A. E. Dobbs), 321.
 Education and Statesmanship in India (H. R. James), 408.
 Education for the Needs of Life (Dr. J. E. Miller), 765.
 Educational Tests and Measurements (Dr. W. S. Monroe), 490.
 Educators, The Doctrines of the Great (Dr. R. R. Rusk), 170.
 Elementary Education, Manchester and the Movement for National (S. E. Maltby), 65.
 Elementary School, The English (A. W. Newton), 839.
 Essays in Common-Sense Philosophy (C. E. M. Joad), 630.
 Gary Schools, The (A. Flexner and F. P. Bachman), 409.
 Handwriting Reform (D. Thomas), 490.
 Human Nature and Its Remaking (W. E. Hocking), 408.
 Intuitive Basis of Knowledge, The (N. O. Lossky), 536.
 Learners as Leaders (H. S. Wilkinson), 66.
 Letter Cards, Embossed, 490.
 Living Water: Chapters from the Romance of the Poor Student (H. Begbie), 409.
 Measurement of Intelligence, Test Material for the (L. M. Terman), 537.
 Measurement of Intelligence, The (L. M. Terman), 537.
 Mental Conflicts and Misconduct (W. Healy), 765.
 Modern Ideas and Methods for School Teachers and Students in Training (J. Eades), 766.
 Music of Life, The (C. T. Smith), 409.
 Natural Knowledge, An Inquiry Concerning the Principles of (Prof. A. N. Whitehead), 765.
 Patriotism and Popular Education (H. A. Jones), 409.
 Pedagogomania (a Bachelor of Arts), 409.
 Print-writing Copy-books, Nelson's—Books I-VI, 490.
 Projects in the Primary Grades (A. M. Krackowizer), 630.
 Psychology and Parenthood (H. A. Bruce), 537.
 Public School, The English: A Symposium (edited by J. H. Whitehouse), 537.
 Religious Education, Ideals, and Problems of, 701.
 School and the World, The (V. Gollancz and D. Somervell), 322.
 School in Belgium, A New (A. F. de Vasconcellos), 489.
 School Work, Outdoor (J. E. Feasey), 489.
 Schools of To-morrow in England (J. Ranson), 766.
 Schools in War-time—and After, Our (Dr. A. D. Dean), 66.
 Science in the Elementary School, The Teaching of (G. H. Trafton), 765.
 Sex Education, A Textbook of (W. M. Gallichan), 322.
 Sex-Lore (Mrs. S. Herbert), 170.
 Spiritual Foundations of Reconstruction, The (F. H. Hayward and A. Freeman), 322.
 Study of Silent Minds, A (K. E. Kirk), 170.
 Subnormality, Problems of (J. E. W. Wallin), 490.
 The Great War Brings it Home (J. Hargrave), 322.
 The Twin Ideals (J. W. Barrett), 65.
 The Undying Fire (H. G. Wells), 628.
 The Voyage of a Vice-Chancellor (A. E. S.), 630.
 Training of Youth, The (T. W. Berry), 322.
 Workers, The Equipment of the, 841.
 Writing and Lettering, Manuscript (Educational Expert), 65.

ENGLISH.

A. L. Bright Story Readers, The, 630.
 Antony and Cleopatra (edited by F. Allen), 172.

Areopagitica (Sir R. C. Jebb), 170.
 Beginners' Book in Language (H. Jeschke), 840.
 Boswell's Life of Johnson, Selections from (edited by R. W. Chapman), 490.
 Childe Harold's Pilgrimage (edited by D. Frew), 244.
 Composition, Edward Young's Conjectures on Original (edited by E. J. Morley), 170.
 Composition and Literature (E. R. Musgrove), 537.
 Crown of Wild Olive, The (J. Ruskin), 490.
 English Books, The New (W. J. Glover), 840.
 English Composition, The Pupil's Classbook of (E. J. S. Lay), 840.
 English Course, Concise (A. Mercer), 766.
 English Course for Schools, An (S. P. B. Mais), 840.
 English Literature, A Rapid Survey of (E. H. Blakeney), 172.
 English Literature during the last Half-century (Prof. J. W. Cunliffe), 490.
 English Poets, The—Vol. V, Browning to Rupert Brooke (edited by T. H. Ward), 63.
 English Prose from Bacon to Hardy (edited by E. K. Broadus and R. K. Gordon), 242.
 Essays and Addresses in War Time (Viscount Bryce), 324.
 Everyday Stories to tell to Children (Mrs. H. C. Cradock), 244.
 Gateways to Bookland—(1) Within the Gates; (2) Vistas of Romance; (3) In Kings' Gardens, 630.
 Goldsmith and Selections from his Writings, Essays on (G. E. Hadow and C. B. Wheeler), 322.
 Grammar Book, A New (A. Catnach), 766.
 Hindu Tales from the Sanskrit (S. M. Mitra), 324.
 History of the English Language, Outlines of the (Dr. E. Klassen), 840.
 Johnson, The Story of Dr. (S. C. Roberts), 537.
 Johnson and Goldsmith and their Poetry (W. H. Hudson), 172.
 Literature, Cambridge History of American, Vols. I and II, 408.
 Literature, Cambridge Readings in (edited by G. Sampson), 242.
 Literature, Studies in (F. H. Pritchard), 840.
 Little Plays from Shakespeare—A Midsummer Night's Dream; The Tempest, 172.
 Macaulay's Essay on William Pitt the Younger (edited by W. K. Leask), 172.
 Macbeth (edited by C. M. Lewis), 170.
 Measures of the Poets, The (M. A. Bayfield), 844.
 News Writing (Prof. M. L. Spencer), 840.
 Poesy, Sir Philip Sidney's Defence of (edited by D. M. Macardie), 490.
 Poetry, The Study of (Dr. E. de Selincourt), 324.
 Précis, Present Day (A. W. Ready), 840.
 Readers, The Victory—Books I, II, III, and IV, 634.
 Shakespeare: Henry IV, Part II (edited by L. Winstanley), 634.
 Shakespeare: The Tempest, The Comedy of Errors. Banksie Acting Edition, 634.
 Silas Marner (G. Eliot), 490.
 Spenser's Fairy Queene, Book II (edited by W. K. Leask), 244.
 Tradition and Change (A. Waugh), 490.
 The Years Between (R. Kipling), 322.
 Tom Brown's School Days (edited by H. C. Bradby), 170.
 Verse-writing with Exercises (W. H. Carruth), 630.

EXAMINATIONS.

Examinations (P. J. Hartog), 64.

FRENCH.

Croisilles (edited by B. L. Templeton), 537.
 Français des Français de France, Le (J. de Villés-brunel), 491.
 French, A School Grammar of Present-Day (J. E. Mansion), 702.
 French, Free Composition, A Matriculation (F. A. Hedgcock and H. Luguet), 412.
 French Literature, A Short History of (W. H. Hudson), 766.
 La Belle aux Cheveux d'Or (Edited by E. C. Kittson), 537.
 La Patrie: Echos de l'Histoire de France pour les Comménçants (J. Titterton), 491.
 "Manchester University Modern Language Texts"—(1) Alfred de Vigny: Poèmes Choisis (edited by E. A. Peers); (2) Selected Letters of Madame de Sévigné (Prof. A. T. Baker), 412.
 Paris pour Tous (Maps by J. G. Bartholomew, text by E. Jefford), 537.
 Victor Hugo: Ruy Blas (edited by H. L. Hutton), 702.

GEOGRAPHY.

"Arnold's Modern Geographies"—(1) England and Wales; (2) The British Isles (A. A. Davey), 110.
 Atlas of the World, The "Daily Telegraph" Victory, Part I, 766.
 Cities of the World, Great, 491.
 Democratic Ideals and Reality (H. J. Mackinder, M.P.), 538.
 Explorers, The Kingsway Book of Famous (R. J. Finch), 412.
 Geography, Practical (R. J. Finch), 491.
 Geography in the Twentieth Century, The Foundations of (F. Shrader), 634.
 Geography of the British Isles, A Causal (J. Martin), 634.
 Geography Stories, The Kingsway Book of (R. J. Finch), 412.
 Geography Stories told by Famous Travellers, Book II, 110.
 Globe, The Use of the Terrestrial, 491.
 Highways and Byways in Northamptonshire and Rutland (H. A. Evans), 108.
 "Macmillan's Geographical Exercise Books"—Africa (with questions by B. C. Walter), 491.
 "Macmillan's Practical Modern Geographies"—A Geography of America (T. A. Smith), 491.
 Map Reading made Easy (Capt. C. C. Esson and G. S. Philip), 842.
 Meteorology, Introductory, 702.
 "Nisbet's Self-Help Geography Series"—World Communications by Land, Sea, and Ocean (H. R. Sweeting), 110.
 "Our Own and Other Lands Series."—The Daughter Lands of Britain, 842.
 Seaways of the Empire (A. J. Sargent), 66.
 "The Human Geographies"—Book I: Children Far Away (E. Young); Book II: Homes Far Away (E. Young); Book III: The British Isles (J. Fairgrieve and E. Young), 412.
 "The Making of the Future."—The Provinces of England (C. B. Fawcett), 842.
 "The New Regional Geographies"—The British Isles (L. Brooks), 491.
 Transport: The Magic Carpet of Industry (J. P. Griffiths), 634.
 United States, Resources and Industries of the (E. F. Fisher), 702.
 West Indies, An Outline of the Geography of the (J. E. Blackman), 842.
 World We Live in, The (edited by G. Williams), 66.

HISTORY.

A Child's Book of English Portraits (P. L. Warner), 768.
 America and Britain (A. C. McLaughlin), 414.
 Britain in the Middle Ages (F. L. Bowman), 704.
 Canada, Evolution of the Dominion of (E. Porritt), 66.
 Century of Hope, The—A Sketch of Western Progress from 1815 to the Great War (F. S. Marvin), 491.
 Characters from the Histories and Memoirs of the Seventeenth Century (edited by D. N. Smith), 412.
 Citizenship, The Principles of (Sir H. Jones), 538.
 Days of History (C. V. Calvert and another), 842.
 Edward II, The Baronial Opposition to (J. C. Davies), 321.
 "Empire Builders"—(1) An Empire Builder of the Sixteenth Century (L. F. R. Williams); (2) Thomas Coram, Empire Builder and Philanthropist (H. F. B. Compston), 414.
 European Commonwealth, The: Problems Historical and Diplomatic (J. A. R. Marriott), 168.
 Fighting for Sea Power in the Days of Sail (H. W. Household), 324.
 French Revolution in English History, The (P. A. Brown), 68.
 Germany, 1815-1890—Vol. III: 1871-1890 (Sir A. W. Ward), 538.
 Greek Political Thought: Plato and his Predecessors (E. Barker), 66.
 Guilds in the Middle Ages (G. Renard), 634.
 Henry the Fifth, The Reign of—Vol. II: 1415-16 (J. H. Wylie), 489.
 Historical Portraits, 1700-1850—Part I: 1700-1800 (C. R. L. Fletcher and E. Walker), 702.
 Historical Works of Sir Francis Palgrave, The Collected—Vols. I and II (edited by Sir R. H. I. Palgrave), 320.
 History, A Source-Book of Australian (G. H. Swinburne), 704.
 History, A Survey of Modern (H. W. Hodges), 842.
 History, An Outline Sketch of English Constitutional (G. B. Adams), 66.

- History, Helps for the Students of—Nos. 7-16 (Various Authors), 634.
 History, Industries, and Social Life of Scotland, Sidelights on (L. A. Barbé), 702.
 History, Little Books of World, 634.
 History of Aryan Rule in India, The (E. B. Havell), 240.
 History of British Socialism, A—Vol. I (M. Beer), 491.
 History of England, A First (M. W. Keatinge), 68.
 History of England, Reference (M. E. Hunter and G. G. Ledsam), 414.
 History of Europe, 1870-1914 A.D., Armed Peace: a Non-Technical (Drs. W. S. Davis, W. Anderson, and M. W. Tyler), 704.
 History of Greece, A (E. Fearenside), 636.
 History of India, The Oxford (V. A. Smith, C.I.E.), 628.
 History of Modern France, 1815-1913 (E. Bourgeois), 536.
 History of Spain, A (C. E. Chapman), 842.
 History of the Great World War, A Short (F. M. Bridge), 634.
 India's Nation Builders (D. N. Bannerjee), 768.
 Italy, The Making of Modern (M. C. Bayley), 414.
 Navy, The Royal, 1815-1915 (Marquess of Milford Haven), 324.
 Russia from the Varangians to the Bolsheviks (R. Beazley, N. Forbes, and G. A. Birkett), 412.
 Sea Commonwealth and other Papers, The (Dr. A. P. Newton), 634.
 Simon de Montfort: an Historical Drama (A. Hayes), 324.
 State and the Nation, The (E. Jenks), 492.
 "The Edina Junior Histories"—Parts I-III (A. L. Westlake and T. Franklin), 768.
 "The Making of the Future"—Our Social Inheritance (V. Branford and P. Geddes), 842.
 "The Nations' Histories"—(1) Switzerland (C. F. Cameron); (2) Rome (E. O'Neill), 324.
 The State: Elements of Historical and Practical Politics (W. Wilson), 768.
 World-Revolution, Three Years of (P. Lensch), 324.

HYGIENE.

- Care of the Nose and Throat (W. Stuart-Low), 700.
 Diseases of the Ear in School Children (Dr. J. K. Love), 700.
 "English Public Health Series"—The Story of English Public Health (Sir M. Morris), 700.
 Health Reader for Girls, A (A. L. and E. Stenhouse), 112.
 Hygiene, The Principles of Mental (Dr. W. A. White), 700.
 Infant and Young Child Welfare (Prof. H. Sourfield), 700.
 Man's Supreme Inheritance (F. M. Alexander), 238.
 Mentally Defective Children, Simple Beginnings in the Training of (M. Macdowall), 700.

ITALIAN.

- English-Italian (A. Hoare), 627.
 Italian Course, A Rapid (W. Ripman), 627.
 Italian Dictionary, A Short, Vol. I, Italian-English (A. Hoare), 244.
 Italian Dictionary, A Short, Vol. II, Italian-English (A. Hoare), 627.
 Italian Grammar, A New (E. Grillo), 627.
 Italian Grammar Self-taught (A. C. Panagulli), 627.

MATHEMATICS.

- Algebraic Cube, The, 768, 846.
 Calculus, A First Course in the, Part I (W. P. Milne and E. J. B. Westcott), 768.
 Differential Calculus for Colleges and Secondary Schools (Dr. C. Davison), 704.
 Differential Equations (H. Bateman), 174.
 Differential Equations, An Elementary Course in (E. J. Maurus), 326.
 Differential Equations, Solutions of the Examples in a Treatise on (A. R. Forsyth), 326.
 Dynamics, Part II (R. C. Fowdry), 704.

- Geometry, Analytic (M. M. Roberts and J. T. Colpitts), 704.
 Geometry of the Straight Line and the Circle, The Analytical (J. Milne), 844.
 Geometry, Projective, Vol. II (O. Veblen), 324.
 Gyrostatics and Rotational Motion, A Treatise on (A. Gray), 414.
 Mathematical Papers, Woolwich and Sandhurst, 1909-1918, 844.
 Mathematical Philosophy, Introduction to (B. Russell), 768.
 Mathematics, A First Year of: Geometry and Algebra (A. Thorn), 172.
 Mensuration, Hydrostatics, and Mechanics, Elementary (G. F. Woodhouse and G. C. Meister), 326.
 Trigonometry, Numerical (P. Abbott), 172.

MEDICAL.

- Aural Culture based upon Musical Appreciation, Part III (S. Macpherson and E. Read), 538.
 Medical Dictionary, Dent's New (W. B. Drummond), 68.
 Nursing, A Complete System of (M. Ashdown), 246.
 Surgery before Lister, The Edinburgh School of (A. Miles), 68.

MISCELLANEOUS.

- Examination Papers in Phonetics (D. Jones), 704.
 Feminine in Fiction, The (L. A. M. Priestly), 246.
 Fleet Annual and Naval Yearbook, 1918 (Compiled by L. Yexley), 110.
 Music, 112, 246, 487.
 Music, First Principles of (F. J. Read), 538.
 Music, Listener's Guide to (P. Scholes), 636.
 Navy Vigilant, The British (L. C. Cornford), 704.
 Office, The Modern (J. Stephenson), 246, 328.
 Paton's List of Schools and Tutors, 841.
 Pension be? What will my (E. H. Allen), 634, 686.
 Vegetable Gardening (J. S. Chisholm), 636.
 War Papers, The University of Chicago, Nos. 1-5, 72.
 What will My Position Be? (E. H. Allen), 634.
 Whitaker's Almanack, 1919, 244.
 Who's Who, 1919, 72.
 Woman: A Citizen (A. E. Metcalfe), 246.
 Writers' and Artists' Year Book, The (edited by G. E. Mitton), 110.

PHILOSOPHY.

- Christianity and Christian Science, a Contrast (M. C. Sturge), 636.
 Swedenborg, Emanuel (L. B. de Beaumont), 636.
 Tagore, The Philosophy of Rabindranath (S. Radhakrishnan), 168.

PSYCHOLOGY.

- Psychological Principles (J. Ward), 63.
 Psychology, Present-Day Applications of (C. S. Myers), 66.
 Subnormality, Problems of (J. E. W. Wallin), 490, 639.
 Word-Association, Studies in (Dr. C. G. Jung), 320.

RELIGION.

- Deuteronomy in the Revised Version, The Book of (edited by Sir G. A. Smith), 706.
 Dominus Noster (C. A. A. Scott), 538.
 Epistle to the Philippians, The (M. Jones), 418.
 Jeremiah, The Book of the Prophet (L. E. Binns), 706.
 Job, The Book of (Dr. H. B. Davidson), 706.
 Moral Values and the Idea of God (W. R. Sorley), 168.
 New Testament for Schools, The (edited by Canon M. Stevenson and C. W. Bailey), 416.
 Religio Grammatici: The Religion of a "Man of Letters" (Prof. G. Murray), 418.
 "The Cambridge Bible"—(1) Isaiah, ch. xl-lxvi (Dr. J. Skinner), (2) Joshua (Dr. G. A. Cooke), (3) Obadiah and Jonah (H. C. O. Lancaster), 538.
 "The Modern Churchman's Library"—The Evolution of the Christian Ministry (J. R. Cohu), 416.

RUSSIAN.

- Kegan Paul's Russian Texts—The Signal and Four Days on the Field of Battle (V. Garshin), 319.
 Oxford Russian Plain Texts Series—Select Fables (Krilov); Men Servants of other Days (Goncharov); In the Night, and Easter Eve (Korolenko), 319.
 Russian Accentuation (E. G. Underwood), 319.
 Russian Grammar, Part I (R. T. Currall), 319.
 Russian Lyrical Poetry (A. E. Tebbutt), 319.
 Russian Poetry, Selections of (B. A. Rudzinsky), 319.
 Russian Vocabulary, A (E. C. Underwood), 319.

SCIENCE.

- Astronomy, An Introductory Treatise on Dynamical Astronomy (H. C. Plummer), 540.
 Biology, Civic (C. F. Hodge and J. Dawson), 540.
 Botany of the Living Plant (T. O. Bower), 540.
 Chemistry, Everyman's (E. Hendrick), 326.
 Chemistry, Industrial (Dr. C. Ranken), 636.
 Chemistry, Recent Discoveries in Inorganic (J. Hart-Smith), 844.
 Chemistry, Senior Practical (H. W. Bausor), 770.
 Chemistry, Textbook of Physical (A. T. Lincoln), 636.
 Chemistry for Intermediate Classes, Practical (H. B. Dunning), 496.
 Chemistry Notes and Papers (G. N. Pingriff), 328.
 Chemistry of Agriculture, Elementary (S. A. Woodhead), 844.
 Electrical Engineering, Alternating Current (P. Kemp), 418.
 Electricity, The Theory of (G. H. Livens), 492.
 Embryology, Textbook of—Vol. II, Vertebrata, with the exception of Mammalia (J. G. Kerr), 496.
 Fossil Plants, Vol. IV (Prof. A. C. Seward), 844.
 Lectures on Sex and Heredity (F. O. Bower, &c.), 844.
 Life and its Maintenance (F. W. Oliver), 706.
 Light, Advanced Lecture Notes on (J. R. Eccles), 708.
 "Nisbet's Nature Readers" (Senior Book)—Nature Stories and Studies (Famous Naturalists), 112.
 Origin and Evolution of Life, The (H. F. Osborn), 492.
 Physics, Everyday: a Laboratory Manual (J. C. Packard), 72.
 Pioneers of Progress—Joseph Priestley (D. H. Peacock), 636.
 Science, An Introduction to the Study of (W. P. Smith and E. G. Jewett), 636.
 Science, Classroom Experimental (H. McKay), 112.
 Science, Junior Grade, 112.
 Science Progress, 636.
 The Boy's Own Book of Great Inventions (F. L. Darrow), 768.
 "The Cambridge Nature Study Series"—The Study of the Weather (E. H. Chapman), 768.
 The Flower and the Bee: Plant Life and Pollination (J. H. Lovell), 770.
 Volumetric Analysis, A Complete Course of (W. J. Boone), 112.
 Zoo, Tommy Smith again at the (E. Selous), 112.

SOCIOLOGY.

- Democracy, The Future of (Lord Haldane), 72.
 Citizenship: its Meaning, Privileges, Duties (F. R. Worts), 842.
 Man and Machine Power (Captain J. W. Petavel), 72.
 Nationality and Government (A. E. Zimmern), 72.

SPANISH.

- Amalia (J. Mármol), 638.
 Español, Primeras Lecciones de (C. M. Dorado), 638.
 Leyendas Históricas Americanas (edited by J. Barnden), 638.
 "Oxford Plain Spanish Texts"—(1) Poesías de Garcilaso de la Vega; (2) Eclogas de Garcilaso de la Vega, 638.
 Spanish Grammar, Elementary (S. Cano), 638.
 Spanish Reader, A (H. C. L. Balshaw), 638.

MACMILLAN'S W.&A.K. JOHNSTON'S PUBLICATIONS.

THE FOLLOWING WILL BE READY THIS MONTH.

EDINA JUNIOR HISTORIES. Books V and VI. Price 1/4 net each.

The Scottish Educational Journal :—"Miss Westlake and Mr. Franklin have performed a distinct service in issuing this 'age' series of histories. The series seems to us to be on the most approved lines, and we heartily recommend it to our readers."

ATLAS GEOGRAPHIES. — INTRODUCTION TO COMMERCIAL GEOGRAPHY. Price 2/8 net.

Including a general survey of the world's products and the natural conditions determining their distribution. A useful course in Commercial Geography for the Upper Forms of Elementary Schools, for Evening Continuation Schools, and for preparation for School Examinations such as the Oxford and Cambridge Locals and "Intermediate" Welsh Board. It includes 25 maps and figures to illustrate the text.

ATLAS SENIOR GEOGRAPHIES—EUROPE.

Teachers and Candidates for Matriculation, University Locals, Civil Service, and other Examinations should secure copies of this book. In addition to Orographical Routes, Climatic, Vegetation, Economic and Political Maps of the whole continent, there are Orographical Transparent Routes and Economic and Political Maps of each Natural Region. Subject matter is clear and up to date. Numerous practical exercises at the end of each section.

O.R.E. ATLAS. Part I. BRITISH ISLES.

The aim of the publishers in producing this series is to provide at the lowest possible price clear orographical, economic, and political maps of each natural region in addition to orographical, climatic, economic, and political maps of the whole area. Each map deals with a particular phase of the subject, and is not overloaded with names in small print. For the first time Atlases dealing with the British Isles and each continent separately are being introduced, thus avoiding the necessity of buying an expensive world atlas when only maps of a certain area are required.

REPRINTS.

HISTORY'S BACKGROUND. Book I. Price 2/6 net.

WORLD AND ITS PEOPLES. 10d. net.

NOW READY.

MODERN ATLAS OF COMMERCE.

Without Index, 1/10 net; with Index, 2/- net. 48 pages of maps printed clearly in Brown.

Ready immediately PEACE BOUNDARIES are settled.

IMPERIAL, LARGE and SMALL SCHOOL WALL MAPS OF EUROPE, ASIA, AFRICA, WORLD.

NEW EDITIONS OF

NEW ERA ATLAS. ROYAL ATLAS.
OROGRAPHICAL ATLAS. WORLD-WIDE ATLAS.
CLASS-ROOM ATLAS.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C.2.

LATEST LIST.

An Outline Sketch of the Political History of Europe in the Nineteenth Century. By F. J. C. HEARNshaw, M.A., LL.D., Professor of History in King's College, London. 8s. 6d. net.

Our Guardian Fleets in 1805. By H. W. HOUSEHOLD, author of "Our Sea Power," &c. Illustrated. 8s. net.

Outlines of the History of the English Language. By E. CLASSEN, M.A., Ph.D., Author of "Lectures on Style and Composition." 5s. net.

The Schoolmaster :—"The book is full of interest from beginning to end, and well repays its study. We commend it to all who are keen on knowing the development of their own language and its history and traditions."

Practical Hints on the Teaching of Latin. By L. W. P. LEWIS, M.A., Senior Classical Master, Bradford Grammar School. 5s. net.

SIEPMANN'S FRENCH FOR RAPID READING. New Vols.

Balzac. Le Bal de Sceaux. Par HONORÉ DE BALZAC. Limp cloth. 1s. 3d.

Ferry. Une Guerre en Sonora. Le Saiteador. Par GABRIEL FERRY. Limp cloth. 1s. 3d.

Ferry. Les Gambusinos Bermudes-el-Matasiete. Par GABRIEL FERRY. Limp cloth. 1s. 3d.

Mathematical Papers for Admission into the Royal Military Academy and the Royal Military College, and Papers in Elementary Engineering for Naval Cadets, March-July, 1919. Edited by R. M. MILNE, M.A. Sewed. 1s. 9d. net.

NATURE, November 6, 1919.

Price 1s. 6d.

SPECIAL JUBILEE ISSUE

A HALF-CENTURY OF SCIENCE.

1869-1919

Articles by leading Authorities on Progress in all Branches of Science and Particular Developments of Recent Years.

Antiquity of Man.
Science and the Church.
Modern Psychology.
Micro-organisms and Disease.
Mendelism. Mutation. Telegony.
New Chemical Elements.
X-rays in Physics and Medicine.
Ionisation of Gases.
New Conceptions of the Structure of Matter.
Radium and the Electron.
Atoms and Molecules.
Electrical Invention.
Aviation. Upper Air Investigations.
Liquefaction of Gases.
Modern Metallurgy.

And many other subjects.

A bird's-eye view of a vast field of scientific knowledge and opinion. No more authoritative or comprehensive epitome has ever been published.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

ALL RIGHTS RESERVED.

No. 594.
Vol. 51. WITH SUPPLEMENT.

LONDON, JANUARY 1, 1919.

PRICE 8d.; BY POST, 10d.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

February 1919 issue ready on Janu-
ary 31. Advertisement scale is on
page 31. The latest time for prepaid
advertisements is

JANUARY 23.

SCHOLARSHIP NOTICES.

See p. 7.

PHYSICAL TRAINING.

See pp. 3, 6, and 7.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and p. 23.

UNIVERSITY TUTORIAL COLLEGE,
See p. 3.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See pp. 10, 30, and 31.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.

MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
NEW PREMISES: 9 & 10 Brunswick Sq., London, W.C.1.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.
Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced.

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.

When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W.1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

THE COLLEGE OF PRECEPTORS

Incorporated by Royal Charter

BLOOMSBURY SQUARE, LONDON, W.C.1.

LECTURES FOR TEACHERS

Professor John Adams will deliver a
Course of Twelve Lectures for Teachers
on Educational Psychology, beginning
on Thursday the 6th of February:

(1) Aim and Methods of Psychology,
(2) The Perceptual Plane, (3) The Con-
ceptual Plane, (4) Memory, (5) Imagina-
tion, (6) The Control of Consciousness,
(7) Instinct and Habit, (8) The
Unconscious and its Implications,
(9) Personality and Temperament,
(10) The Affective Aspect, (11) The
Conative Aspect, (12) Experimental
Psychology.

Members of the College have free
admission to the Course.

The full Syllabus and particulars
concerning Membership may be ob-
tained from the Secretary.

UNIVERSITY CORRESPONDENCE COLLEGE

(Founded in 1887.)

PRINCIPAL: WILLIAM BRIGGS, LL.D., D.C.L.,
M.A., B.Sc., F.C.S., F.R.A.S.

Vice-Principal: B. J. HAYES, M.A. (Gold Medallist
in Classics).

Science Director: A. G. CRACKNELL, M.A.
(Sixth Wrangler), B.Sc.

LONDON UNIVERSITY DEGREES

B.A., B.Sc., M.A., LL.B., B.Sc. (Economics), B.D.

At the B.A. and B.Sc. Examinations, 1918, U.C.C.
Students formed more than one third of the
successful Candidates, and obtained 11 of
the 24 Places in Modern Languages Honours.

Prospectus, giving full particulars of courses and
fees for London University Examinations, post free
to PRIVATE STUDENTS from the Secretary.
No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1918 - 1889

Candidates in various Groups: 305 First
Class; 368 Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-18 43

(Only two failures.)

Oxford Higher Local, 1903-18 178

Candidates in various Sections.

M.D. (Lond.), 1901-18 230

(Including 6 Gold Medallists
during 1913-1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exams.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1918-19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

THE LONDON LITERARY LOUNGE.

THE BOOKSHOP THAT APPEALS TO BOOKLOVERS.



At this address may be found the latest books on all subjects—Art, Science, and Technology being especially provided—and this in a place of quiet where the booklover can leisurely look through book after book till he find the volume he would wish to possess.

"... the latest books are lined up for intimate inspection: the obligation to purchase, which one feels in an ordinary bookshop, is non-existent." *The "Morning Post."*

School books can be supplied at the shortest possible notice.

We hold a large stock of Remainders (new books at greatly reduced prices), particularly in works of History, Biography, and Travel: a Catalogue of these may be had on application.

TRUSLOVE and HANSON, LTD., 14^A CLIFFORD STREET (one door from Bond Street), W. 1.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY of ST. ANDREWS. UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June.

The Hall has been enlarged to accommodate 65 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—Miss C. P. TREMAIN, B.A.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from 40 guineas per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

BATH.

TWO or three Ladies taken as Paying Guests in comfortable private house with garden. Within easy reach of baths, city, and stations. Moderate inclusive terms.—Miss RUTHERFURD, Green Park.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

LONDON, S.W.10.

86 REDCLIFFE GARDENS, S.W.—Residential Club for Ladies, close to Earl's Court Station and tube. From 30s. weekly, partial board. Large airy house. Buses to all parts. Telephone: Western 2506.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.C.1.

30.31. &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students; readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established Private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegrams: "Baggage, London." Phone: Gerrard 4718.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB, 9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home; good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

THAMES DITTON.

OWING to the convenience of synchronous holidays, a lady is prepared to offer to High School mistress board residence on favourable terms. Sunny aspect; every comfort. Address—No. 10, 709, c/o Mr. Wm. Rice, 3 Ludgate Broadway, E.C.4.

HOLIDAYS IN NORTH WALES.

—Sea and mountains, mild climate, beautiful excursions. Golf course near. Comfortable, refined and magnificently situated Guest House in extensive grounds. Produce from own gardens. 35s. per week inclusive. For prospectus write—MANAGERESS, Bryn Corach, Conway.

HOLIDAY HOMES.

A WELL KNOWN TEACHER writes: "I advertised this Summer [1917] my 'Small Holiday Home' in your paper. The advertisement proved very successful."

WANTED.

SCHOOL WORLD.

Volume III: Jan.-Dec., 1901.

BOUND OR UNBOUND.

WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.**

**SCHOLASTIC AGENCY for
JUNIOR FORM and KINDERCARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
KINGSFIELD,
DARTFORD HEATH, KENT.**

Trustees:

Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.

Principal:

Miss H. C. GREENE.

Vice-Principal:

Miss A. WIKNER (Royal Cent. Inst. of Gymnastics, Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course extends over two years. It includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 15 acres, in a beautiful and healthy locality close to Dartford Heath.

The demand for mistresses of physical training holding the Diploma of this College is at present far in excess of the supply.

The course begins in **October**. Further particulars may be obtained on application to the SECRETARY.

**BERGMAN ÖSTERBERG
UNION OF TRAINED GYMNASTIC TEACHERS.**

Ling's Swedish System.

Aim of the Union: To advance the cause of Physical Education on scientific lines.

In placing members of this Union as Teachers in Schools, careful and discriminating choice is exercised, and the exact requirements of each School specially considered.—**PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.**

INTERNATIONAL GUILD.

6 RUE DE LA SORBONNE, PARIS.

CLASSES in the French Language,
Literature, History, and Phonetics.

Students are prepared for the Certificat d'Etudes Française of the Sorbonne, and the Diplôme d'Etudes Françaises of the Guild.

For further information apply to the SECRETARY.

**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours, London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the HEAD MISTRESS.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of all grades should apply to—THE EDUCATION SECRETARY, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.1.

University Tutorial College.
LONDON.



LONDON MATRICULATION.

Morning, Afternoon, and Evening Classes for the next June and September Examinations commence January 20th.

Annually for the last twenty-five years about 100 Students of the University Tutorial College have passed London Matriculation.

**COLLEGE OF PRECEPTORS.
(MEDICAL PRELIMINARY.)**

Classes are held for the College of Preceptors Examination (Medical Preliminary) and other Entrance Examinations.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
32 RED LION SQUARE, HOLBORN, W.C.1.



**THE
ASSOCIATED BOARD**

OF THE
ROYAL ACADEMY OF MUSIC

AND THE
ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

LOCAL CENTRE EXAMINATIONS (Syllabus A).
Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the March-April Examinations close Wednesday, February 5th, 1919 (or with extra fee, Feb. 13th).

SCHOOL EXAMINATIONS (Syllabus B).
Held throughout the British Isles three times a year, viz., March-April, June-July, and October-November. Entries for the March-April Examinations close Wednesday, January 29th, 1919 (or with extra fee, Feb. 6th).

The Board offers annually **SIX EXHIBITIONS**, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.

Syllabuses A and B, Entry Forms, and any further information will be sent post free on application to—
JAMES MUIR, Secretary,
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA. LONDON."

THE THEORY OF MUSIC, HARMONY, &c.

Special Correspondence Courses.

152 Correspondence Students have been successful in the Theoretical Portions of the L.R.A.M. and A.R.C.M. Examinations.

Mr. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R.C.M.,
c/o Forsyth Bros., Deansgate, Manchester.

**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.**

President: SIR FRANK BENSON,

Under a Council of Management.

Principal: ELSIE FOGERTY, L.R.A.M.,

Royal Albert Hall, Kensington Gore S.W.7.

**COURSES OF DRAMATIC
AND**

TECHNICAL TRAINING,

VOICE TRAINING,

ENGLISH PHONETICS,

CURE OF SPEECH

DEFECTS,

RECITATION,

PUBLIC SPEAKING.

Complete Training Course for Teachers,

Preparation for the L.R.A.M. Diploma.

Schools visited and inspected.

**ASSOCIATION OF TEACHERS
OF
SPEECH TRAINING.**

**Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.**

President:

Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, South Kensington, S.W.7.

Secretary:

Miss WELLESLEY-READE, 44 Fairholme Road, West Kensington, W.14.

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply—Miss Wellesley-Reade.

THE LONDON LITERARY LOUNGE.

THE BOOKSHOP THAT APPEALS TO BOOKLOVERS.



At this address may be found the latest books on all subjects—Art, Science, and Technology being especially provided—and this in a place of quiet where the booklover can leisurely look through book after book till he find the volume he would wish to possess.

"... the latest books are lined up for intimate inspection: the obligation to purchase, which one feels in an ordinary bookshop, is non-existent." *The "Morning Post."*

School books can be supplied at the shortest possible notice.

We hold a large stock of Remainders (new books at greatly reduced prices), particularly in works of History, Biography, and Travel: a Catalogue of these may be had on application.

TRUSLOVE and HANSON, LTD., 14^A CLIFFORD STREET (one door from Bond Street), W.1.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

A BERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY of ST. ANDREWS. UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 65 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—
Miss C. P. TREMAIN, B.A.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from 40 guineas per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

BATH.

TWO or three Ladies taken as Paying Guests in comfortable private house with garden. Within easy reach of baths, city, and stations. Moderate inclusive terms.—Miss RUTHERFURD, Green Park.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

LONDON, S.W.10.

86 REDCLIFFE GARDENS, S.W.—Residential Club for Ladies, close to Earl's Court Station and tube. From 30s. weekly, partial board. Large airy house. Buses to all parts. Telephone: Western 2506.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 5s. 6d. per night per person. Telegrams: Thackeray, London." Telephone: Museum 1290 (2 lines).

LONDON, W.C.1.

30, 31, &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegrams: "Baggage, London." Phone: Gerrard 4718.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB, 9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home: good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

THAMES DITTON.

OWING to the convenience of synchronous holidays, a lady is prepared to offer to High School mistress board residence on favourable terms. Sunny aspect; every comfort. Address—No. 10, 709, c/o Mr. Wm. Rice, 3 Ludgate Broadway, E.C.4.

HOLIDAYS IN NORTH WALES.

—Sea and mountains, mild climate, beautiful excursions. Golf course near. Comfortable, refined and magnificently situated Guest House in extensive grounds. Produce from own gardens. 35s. per week inclusive. For prospectus write—MANAGERESS, Bryn Corach, Conway.

HOLIDAY HOMES.

A WELL KNOWN TEACHER writes: "I advertised this Summer [1917] my 'Small Holiday Home' in your paper. The advertisement proved very successful."

WANTED.

SCHOOL WORLD.

Volume III: Jan.-Dec., 1901.

BOUND OR UNBOUND.

WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

FROEBEL SOCIETY and JUNIOR SCHOOLS ASSOCIATION.

SOHOLASTIO AGENCY for
JUNIOR FORM AND KINDERGARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.

Library for Teachers and Students pre-
paring for the Examinations of the National
Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

THE BERGMAN ÖSTERBERG PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.

Trustees:

Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.

Principal:

Miss H. C. GREENE.

Vice-Principal:

Miss A. WIKNER (Royal Cent. Inst. of Gymnastics,
Stockholm).

The College was opened in 1885, and was the first
of its kind in England. Students are prepared as
teachers of Scientific Physical Education on Ling's
Swedish System. The Course extends over two
years. It includes the study of Anatomy, Physiology,
Theory of Education; the Theory and Practice of
Gymnastics, Massage and Medical Gymnastics,
Dancing and Outdoor Games. Students practise
teaching in schools in the neighbourhood. The College
stands in its own ground of 15 acres, in a beautiful
and healthy locality close to Dartford Heath.

The demand for mistresses of physical training
holding the Diploma of this College is at present far
in excess of the supply.

The course begins in **October**. Further par-
ticulars may be obtained on application to the
SECRETARY.

BERGMAN ÖSTERBERG UNION OF TRAINED GYMNASTIC TEACHERS. *Ling's Swedish System.*

Aim of the Union: To advance the cause of Physi-
cal Education on scientific lines.

In placing members of this Union as Teachers in
Schools, careful and discriminating choice is exer-
cised, and the exact requirements of each School
specially considered.—PHYSICAL TRAINING COLLEGE,
KINGSFIELD, DARTFORD HEATH, KENT.

INTERNATIONAL GUILD. 6 RUE DE LA SORBONNE, PARIS.

CLASSES in the French Language,
Literature, History, and Phonetics.
Students are prepared for the Certificat d'Etudes
Française of the Sorbonne, and the Diplôme d'Etudes
Françaises of the Guild.
For further information apply to the SECRETARY.

CHANNING HOUSE HIGH SCHOOL AND BOARDING SCHOOL FOR GIRLS,

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours,
London.

Pupils prepared for Matriculation and Intermediate
Examinations of London University. Healthy situ-
ation, good playground and garden. Great attention
given to physical training. Special terms for daughters
of Unitarian Ministers. All inquiries to be addressed
to the HEAD MISTRESS.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of
all grades should apply to—THE EDUCATION
SECRETARY, South African Colonization
Society, 23 Army and Navy Mansions, 115 Victoria
Street, S.W.1.

University Tutorial College. LONDON.



LONDON MATRICULATION.

Morning, Afternoon, and Evening Classes for the
next June and September Examinations commence
January 20th.

Annually for the last twenty-five years about 100
Students of the University Tutorial College
have passed London Matriculation.

COLLEGE OF PRECEPTORS. (MEDICAL PRELIMINARY.)

Classes are held for the College of Preceptors
Examination (Medical Preliminary) and other En-
trance Examinations.

PRIVATE TUITION.

Private tuition may be taken up at any time, either
during Term or in the ordinary School Vacations, in
all subjects for London University and other Ex-
aminations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
32 RED LION SQUARE, HOLBORN, W.C.1.



THE ASSOCIATED BOARD

OF THE
ROYAL ACADEMY OF MUSIC

AND THE
ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

LOCAL CENTRE EXAMINATIONS (Syllabus A).
Examinations in Theory held in March and
November at all Centres. In Practical Subjects in
March-April at all Centres, and in the London
district and certain Provincial Centres in November-
December also. Entries for the March-April Ex-
aminations close Wednesday, February 5th, 1919 (or
with extra fee, Feb. 13th).

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a
year, viz., March-April, June-July, and October-
November. Entries for the March-April Exami-
nations close Wednesday, January 29th, 1919 (or with
extra fee, Feb. 6th).

The Board offers annually SIX EXHIBITIONS,
tenable at the R.A.M. or R.C.M., for two or three
years.

Theory papers set in past years (Local Centre or
School), price 6d. per set, per year.

Syllabuses A and B, Entry Forms, and any further
information will be sent post free on application to—

JAMES MUIR, Secretary,
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA. LONDON."

THE THEORY OF MUSIC, HARMONY, &c.

Special Correspondence Courses.

152 Correspondence Students have been successful
in the Theoretical Portions of the
L.R.A.M. and A.R.C.M. Examinations.

Mr. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R.C.M.,
40 Foreyth Bros., Deansgate, Manchester.

CENTRAL SCHOOL OF SPEECH TRAINING AND DRAMATIC ART.

President: **SIR FRANK BENSON**,
Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.**,
Royal Albert Hall, Kensington Gore S.W.7.

COURSES OF DRAMATIC AND

TECHNICAL TRAINING,
VOICE TRAINING,

ENGLISH PHONETICS,
CURE OF SPEECH

DEFECTS,

RECITATION,

PUBLIC SPEAKING.

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

ASSOCIATION OF TEACHERS OF SPEECH TRAINING.

Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.

President:

Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, South Ken-
sington, S.W.7.

Secretary:

Miss WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.

Trained resident or visiting teachers sent to
any part of England. Assistants also under-
take residential treatment of delayed speech,
stammering, or other difficulties. Physical
exercises for chest development, breath
control, or defective articulation given by
trained teachers. Advice on speech training
given. Transference of connexions under-
taken.

A leaflet containing all principal Tone
and Articulation Exercises, together
with "Examples" for the practice of
each vowel sound, may now be obtained.
Price 2d. each, or, to Members of the
Association, 1d. each. Postage extra.
Apply — Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 1, [Halls of Residence 2], 3, 5, [Scholarships 7], 8, [Physical Training 3, 6, 7], 25, 28, 29, 39, 48, 53, 55, 73.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON).

CAMPDEN HILL ROAD, W.8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

ST. GEORGE'S TRAINING COLLEGE (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund. Prospectus and further particulars from the PRINCIPAL.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council: The Rev. W. TEMPLE.
Principal Elect: Miss B. S. PHILLIPPS, M.A.
Acting Principal: Miss A. W. RICHARDSON.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident from £95 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years (including a special Scholarship for Classics) will be offered for competition at an Examination to be held May 20th-23rd, 1919. Applications for entrance should be sent in before May 5th.

For Calendar and further particulars apply to the ACTING PRINCIPAL, Westfield College, Hampstead, N.W.3.

MRS. CURWEN'S PIANO-FORTE METHOD. EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

New Training Classes for Music Teachers and Student Teachers, held weekly, began on the 2nd Oct. (10 a.m.) at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment, or particulars of the Classes may be obtained by post from either teacher at the same address.

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION. In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Associate, Girton College, Cambridge, Cambridge Teachers' Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diplomas and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W.6.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

PRINCIPAL: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects, Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

The term begins January 15th.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £30 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

SPEECH TRAINING SCHOOL, For TEACHERS of ELOCUTION and RECITERS,

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD (with an Advisory Council).

A SPECIAL COURSE to prepare students for Teaching Posts (Visiting, Residential, or Staff Appointments), and for Recitals. Private Tuition, Schools Visited, Stammering Treated, Lip-reading for the Deaf. Class for Teachers and Students of English Subjects, York and Harrogate weekly. Prospectuses forwarded.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W.4

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.
2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.
3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.
4. TRAINING DEPARTMENT for Teachers of Housecraft. Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

BEDFORD KINDERGARTEN CO., LIMITED, AND TRAINING COLLEGE, 14 The Crescent.

Council:

THE BISHOP OF BIRMINGHAM;
C. W. KAYE, Esq., M.A., late Head Master Bedford Modern School.

Principal: Miss AMY WANSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence or Students—Shenstone Lodge, Osborne House, and Magdala House. Branch School—Froebel House, Goldington Avenue.

For terms and particulars apply to—The Secretary, ALEXANDER MORRISON, 26 Hill St., Bedford.

Institut Français du Royaume Uni

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.2.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINÉES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, especially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

THE INCORPORATED

FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.
Chairman of Committee and Treasurer:
Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

TRAINING COLLEGES and Technical Schools.

See also pages 1, [Halls of Residence 2], 3, 4 [Scholarships 7], 8, [Physical Training, 3, 6, 7], 25, 28, 29, 39, 48, 53, 55, 73.

Northern Counties Training School of Cookery and Household Economy, NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.

School year began September.

BIRKBECK COLLEGE BREAMS BUILDINGS, CHANCERY LANE, E.C. 4.

UNIVERSITY OF LONDON. COURSES OF STUDY (DAY AND EVENING)

FOR DEGREES IN

ARTS, SCIENCE, ECONOMICS, LAWS,
under Recognized Teachers of the University.

ARTS. — Latin, Greek, English, French, German,
Italian, History, Geography, Logic, Economics,
Mathematics (Pure and Applied).

SCIENCE. — Chemistry, Physics, Mathematics (Pure
and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.
GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10. 10s.; Science, £17. 10s.
Evening: Arts, Science, or Economics,
£5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

SOCIETY FOR THE STUDY OF ORTHOPSYCHICS.

President:

Professor T. PERCY NUNN, M.A., D.Sc.

TRAINING COURSE IN APPLIED PSYCHOLOGY:

Practical study of Character and of the
psychological fundamentals of social work
(Education, Criminology, &c.).

All particulars of the HON. SEC.,
30 Brunswick Square, W.C.1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK. 92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Needlework
are held in January, May, and October.

For Dressmaking in June and November.

Work from Secondary, High, Convent, and other
Schools examined in April, July, and December, and
Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

UNIVERSITY OF BRISTOL. DEMobilISATION.

SPECIAL REGULATIONS

have been made to allow intending students who have served in the war, or in the scientific service of the war, to be admitted to matriculation by vote of Senate on their educational qualifications, without formal examination; and also to allow of such students entering the University in January if candidates in Arts: in January or between January and May if candidates in Science, Medicine, Dental Surgery or Engineering; and if grounds be shown, counting their first year's attendance as though it had commenced in October. Engineering students in special cases may be allowed to count one whole year's attendance.

The Special Army Education Certificate qualifies for Matriculation.

Applications to the REGISTRAR.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS, 23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams: "Eurhythm, London." Telephone: Museum 2294.

In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

DALCROZE. EURHYTHMICS.

DEMONSTRATIONS of Children's and Student's work in RHYTHMIC MOVEMENT will be held in the PRINCES THEATRE, SHAFTESBURY AVENUE, W.C.1. on FRIDAY, JANUARY 24th at 3 p.m., and SATURDAY, JANUARY 25th, at 10.45 a.m. Unless prevented by unexpected difficulties of continental travel MONSIEUR DALCROZE will lecture and conduct the Demonstrations.

Tickets may be obtained in advance.

Reserved: Stalls, 10s. 6d., 7s. 6d., and 5s.
Dress Circle, 7s. 6d., 5s., and 3s.
Pit Stalls, 2s. 6d.

Unreserved: Pit 1s. 6d., Gallery, 1s.

From THE DALCROZE SCHOOL OF EURHYTHMICS, LIMITED, 23 Store Street, W.C.1. Telephone: Museum 2294 (10 to 1; 3 to 5).

DALCROZE EURHYTHMICS

CLASSES to suit the convenience of Teachers are held in the LONDON DISTRICT and in BINGLEY, BIRKENHEAD, BOURNEMOUTH, BRIGHTON, BRISTOL, DURHAM, EDINBURGH, EXETER, GEE CROSS, HULL, KETTERING, LEEDS, LITTLEBOROUGH, LIVERPOOL, MANCHESTER, NEWCASTLE-UPON-TYNE, NORTHAMPTON, OLDHAM, OXFORD, PORTSMOUTH, READING, SHEFFIELD, SOUTHAMPTON, SOUTHEND-ON-SEA, SUNDERLAND, TAUNTON, TUNBRIDGE WELLS. Details on application to—

THE DALCROZE SCHOOL OF EURHYTHMICS, Ltd.,
23 Store Street, London, W.C.1.

GUILD OF EDUCATION AS NATIONAL SERVICE.

THE HALSEY TRAINING COLLEGE.
Recognized by the Board of Education.

SPRING TERM, JANUARY 16th.

TRAINING COURSE FOR TEACHERS AND SOCIAL WORKERS.

SPECIAL facilities for preparation to work in Continuation Schools (a) for factory and town workers at Canning Town, E.16. (b) for farm and rural workers at Kenton, Middlesex. (20 minutes from Baker Street.)

There is now a large "Education and Recreation Centre" for unemployed factory boys and girls at Canning Town in connexion with the Hostel.

Apply for particulars as to residence, grants, fees, &c., to Hon. Sec., Guild of Education as National Service, 11 Tavistock Square, W.C.1.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals { Miss C. CRACKNELL, late of Swanley
Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

Speech Training and Elocution.

MISS LAURA SMITHSON,

L.R.A.M. Elocution A. Director of Stratford-on-Avon Shakespeare Festival Summer School of Elocution. Recommended by Sir Frank Benson, Miss Lillian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W.8.

ELOCUTION, Voice Production, Reciting, Public Speaking, Miss ROSE PATRY'S SCHOOL, 3 Lower Seymour Street, W.1. President: Sir J. Forbes Robertson. Teachers and Reciters trained. Classes and Private Lessons. Pupils prepared for Elocution Examinations. New Term, Jan 28.

Special treatment for stammering caused by shell shock, &c. Pupils trained in this method. Highest References from Medical Men. Hospitals visited.

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A.,

Coaches by Correspondence in French, History, English Language, and Literature, and Comparative Religion for Cambridge and Oxford Locals and other examinations.—The Rectory, Little Stukeley, Huntingdon.

Continental School.

COLLÈGE DE CANNES, PRÈS NICE (ALPES MARITIMES), FRANCE.

A fine new building, with every modern comfort. Private rooms. Three months' course giving fluent knowledge of French to foreigners. £21. 8s. a term.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastics and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HRATH, & GEORGE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD

(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION
FOR WOMEN.
(SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Apply for Prospectus to Miss DORETTE WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE,
WALLINGTON, SURREY.

Complete training, on Arvedson's Principles, in all branches of Educational and Remedial Gymnastics and Massage; also Dancing, Fencing, Games, &c.

Students will be accepted in January for the two years' course; they must be well educated.

New term 7th January.

Full particulars and Prospectus on application.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS' GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC,
REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN ÖSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN ÖSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

See advertisement on page 3.



THE INCORPORATED
BRITISH COLLEGE
of
PHYSICAL EDUCATION.

Until further notice all inquiries should be addressed to—

Mr. FRANK H. GELLING,
Hon. Secretary,

41a Lyric Road, Barnes, London,
S.W. 13.

PHYSICAL TRAINING COLLEGE,
QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W. 7.

EDUCATED GIRLS TRAINED as TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PHYSICAL TRAINING COLLEGE.

(Ling's Swedish System.)

BATTERSEA POLYTECHNIC, S.W. 11.

THREE YEARS' COURSE of Training for Teachers of Swedish, Educational, and Remedial Gymnastics, Games, Dancing, &c. Diplomas granted. FEE—£75 for the complete Course.

ONE YEAR COURSE of Training in Swedish, Remedial, Exercises, and Massage. Excellent opportunities for Clinic and Hospital Work. Students are prepared for the Examinations of the I.S.T.M. FEES from £25, according to subjects taken.

For particulars of Curricula, Scholarships, Hostels, &c., apply to the SECRETARY.

ANSTEY PHYSICAL TRAINING COLLEGE, ERDINGTON,

offers well-educated women complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

Residential Fees: £100 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

ROYAL HOLLOWAY COLLEGE. (UNIVERSITY OF LONDON.)

Principal: Miss E. C. HIGGINS, B.A.

ENTRANCE SCHOLARSHIPS.

TWELVE ENTRANCE SCHOLARSHIPS, from £50 to £60, and several Bursaries of not more than £30, tenable for three years at the College, will be awarded on the results of an Examination to be held from June 30th to July 5th. Names must be entered before May 24th, 1919. The College prepares Women Students for the London Degrees. Inclusive fee, £108 a year. For terms of entry and further particulars apply to the SECRETARY, Royal Holloway College, Englefield Green, Surrey.

NEWHAM COLLEGE.—TWO SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £30 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

KING'S SCHOOL, CANTERBURY.—ENTRANCE and KING'S SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

BRADFIELD COLLEGE.

AN EXAMINATION for ENTRANCE SCHOLARSHIPS and EXHIBITIONS open to Boys under 15 on September 20th, 1918, will be held on June 4th. Further information can be obtained from the HEAD MASTER, Bradfield, Berkshire.

ST. BEES SCHOOL, CUMBERLAND.—The next Examination for SCHOLARSHIPS will be held in March 1919. For particulars apply to the BURSAR.

PORTLAND ROAD GYMNASIUM, London, W.—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHE, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, 32 Highcroft Gardens, Golder's Green, N.W. 4.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO,

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).

Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m.

Appointments should be made when possible.

Telephone: Museum 3217. Telegrams: "Educatorio Grenville London."

ALL PRINCIPALS OF PRIVATE

Schools registered or qualified for registration are invited to combine, to remedy the injustice inflicted by the Superannuation Bill. Apply to Mr. S. MAXWELL, M.A., LL.B., Clapham Common, S.W. 4, or to Rev. C. WHITFIELD, M.A., St. Hilda's, Moseley, Birmingham.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway" University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.
Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

NATURE STUDY SPECIMENS.

—Material (botanical and zoological), suitable for Junior and Senior Classes, can be supplied to schools at moderate charges. Apply for leaflet to M., Ridgeway, Lordswood, Southampton.

CRANBROOK SCHOOL, KENT

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

BRIGHTON COLLEGE. — An

Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations. Further details from—

S. M. TOYNE, M.A., Head Master.

MALVERN COLLEGE.

TWELVE OR MORE

ENTRANCE SCHOLARSHIPS,

value £87 to £30, and some Exhibitions, value £25 to £12, will be awarded by Examination to be held on May 27, 28, and 29, 1919.

Particulars of these and of certain valuable War Exhibitions (awarded without examination), from the HEAD MASTER or BURSAR.

BOOKS FOR SALE. Good Second-hand Copies.

38. Wilmot Buxton's History of Great Britain.
52. "Makers of Europe."
63. Layng's Exercises in Arith. Part I.
54. "II."
64. West's English Grammar for Beginners.
15. "Elements of English Grammar."
18. Arnold Forster's New History of Eng. 1603-1901.
10. Hall's Easy Graphs.
91. Borchardt's Junior Arith. Part I.
24. Gardiner's Students' History of Eng. Parts I & II.
48. Barrère's Intermediate French Course.
70. Brachet's Supplementary French Exercises.
62. "French Grammar."
74. Weekley's Tutorial French Accidence.
55. Mackay & Curtis's First French Reader.
28. "Second " " "
63. Herbertson's Preliminary Geographies.
78. "Junior " "
21. "Senior " "
31. "British Isles. " "

MR. JOHN DAVIS (Successor to Mr. Thomas Laurie),
13 Paternoster Row, London, E.C.4.

MISS CHRISTINE PASSMORE,
Professor of Pianoforte, West-End Recitalist, and Specialist in Technique, would visit school weekly (or twice weekly), in or near London. Also Composition, Harmony, and Musical Appreciation taught on DR. YORKE TROTTER'S RHYTHMIC METHOD. Prospectus on application. Address—61 Cavendish Road, N. 4.

STAMMERING

PERMANENTLY CURED.

RESIDENT AND DAILY PUPILS.
UNIVERSAL SUCCESS.

Prospectus and Testimonials post free from—
Mr. A. C. Schnelle, 119 Bedford Court Mansions,
LONDON, W.C.1.

Established 1905.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,

Intermediate Arts and B.A.,

Intermediate Science and

B.Sc. (Theoretical Subjects only).

L.L.A. (St. Andrews),

College of Preceptors' Diplomas.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

LECTURES ON ART. Single or in Series. London and the provincial capitals. For prospectus and terms address—Miss A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

LADY, University Graduate, is looking for a lady to join her in order that she may extend her school in certain directions or relieve her from the full responsibility of both the domestic and scholastic side of the school. Amalgamation with small good-class girls' school would be considered. Address—No. 10.718.*

WANTED.—2 or 3 small 2 ft. 6 in. Beds and Bedding and Blankets: several Chairs, 2 or 3 Tables (folding if possible), 2 strong Easels for Blackboards, Linoleum for a small hall, small Dressing Chest and Washstand or Combination Set, Servants' Chests of Drawers, some Rugs, Wicker Arm-chair. State condition and price required.—Miss K. MANVILLE, 17 Finchley Road, N.W. 8.

Posts Wanted.

Prepaid rate: 30 words, 2s.; each 10 words after, 6d. (Use of Office address, 1s. extra.) For latest time for receiving these announcements see front page.

[Replies to advertisements marked * should be sent under cover to Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4, in each case accompanied by sufficient loose stamps to cover postage on to advertiser. Post cards will not be sent on.]

FRENCH.—Lady (young) desires Visiting Post in January, in or near London. Coaching for Exams. to B.A. standard. Residence abroad. Certificat d'Etudes Françaises, Université de Paris. Address—No. 10.705.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Posts Wanted—continued.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holborn Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

ARTIST requires a post as VISITING ART MASTER in School. Exhibitor, Royal Academy. Excellent testimonials and references. Address—No. 10.711.*

TRAINED Teacher, with University education, having wide experience in both Public and Private Schools, desires VISITING WORK in London. Coaching for Examinations undertaken. Subjects: Mathematics. English, French. Address—No. 10.716.*

LADY Graduate (Honours French), Cambridge Teachers' Certificate, Secondary School and Continental teaching experience, engaged in clerical work during War, desires post as SECRETARY in School or College or private. Address—No. 10.717.*

WIDOW, educated at Public Day School, capable and businesslike, well recommended, wishes to undertake Boarding Home (for Mistresses or Girls) in connexion with good Day School or College. London or Home Counties. Address—No. 10.719.*

TO Governing Bodies of Training Colleges or Educational Authorities—SUPERVISOR of Manual Training or LECTURER in Educational Handwork, &c. Naas (Swedish Sloyd), Leipzig (Metalarbeit), London, City and Guilds (Woodwork), Board of Exams. in Educational Handicraft (Repousse, &c.). Trained, Certificated Borough Road. Matriculation.—SERGT. D. SMITH, Ward 11, Norfolk and Norwich Hospital, Norwich.

GEORGE GILL & SONS, Ltd.

THE OXFORD AND CAMBRIDGE EDITION.

Gospel of St. Mark. By the Rev. F. MARSHALL, M.A. Maps of Palestine, Sea of Galilee, Galilee, Jerusalem, Environs of Jerusalem, Temple; Special Introduction.

Acts of the Apostles. Part I, Chapters i-xvi. By the Rev. F. MARSHALL, M.A. Specially prepared for Students taking the first part of the Book, Complete for the purpose, with Geographical and Biographical Notes, Maps, and Introduction.

As You Like It. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo.

Henry V. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Maps and Genealogical Tables. 256 pp., Cr. 8vo.

Richard II. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Illustrations and Genealogical Tables. 232 pp., Cr. 8vo.

— READERS. —

Gods and Heroes; or, Greek Fairy Tales. By P. C. SANDS, M.A., late Fellow of St. John's College, Cambridge. This is a reader intended for use in the Lower Forms of Schools. It gives a splendid initiation into the stories of ancient Greek mythology. Cr. 8vo, 128 pp., Cloth, 1s. 3d.

La Guerre, A.D. 1914. With notes on idiomatic phrases, by TAYLOR DYSON, M.A. A selection of leading articles on the Great War taken from the French and Belgian newspapers and arranged as a book for French Unprepared Translation for Middle and Upper Forms. Cr. 8vo, 128 pp., 1s. 3d.

La Guerre, Vol. II. A sequel to La Guerre, A.D. 1914. By TAYLOR DYSON, M.A. 1s. 3d.

ATLAS AND NOTES ON EUROPEAN HISTORY.

From the time of DIOCLETIAN to the outbreak of the GREAT WAR, 1914.

By HARTLEY FUDGE, M.A. 1s. 8d.

"The book consists of 36 Coloured Maps, not too full of names, and 104 pages of Notes, so called, which, however, practically form a précis of the history of Europe, from Diocletian to the Congress of Vienna. The author then carries forward history to the outbreak of the present War, by dealing separately, but still chronologically, and ab initio, with the history of Poland, France and Alsace-Lorraine, Prussia and German unity, the Dual Monarchy, Ottoman Empire, the Near East, and the like. The whole forms a small reference book useful for History teaching."

Journal of the A.M.A., Dec., 1918.

"In the body of the book there are more than thirty maps which, for the clearness of their lettering, we have very seldom seen excelled. Taken as a series they enable us to trace without confusion, through the centuries, the various stages in the political development of Europe."

Irish School Weekly.

ARITHMETIC BY DECIMALS.

By E. PULLING, B.A.

A simple, concise School Course, 9d. With Answers, 1s.

COMPLETE LIST OF THE OXFORD AND CAMBRIDGE EDITION, AND EDUCATIONAL CATALOGUES, POST FREE.

London: GEORGE GILL & SONS, Ltd., 13 Warwick Lane, E.C.4.

TRUMAN & KNIGHTLEY, LTD.

Scholastic Agents.

MANAGING DIRECTORS:

S. A. TRUMAN. JAMES HEARD, B.A.
(Westminster and Trinity College, Cambridge)

This Agency is under distinguished patronage, including that of the Principals of the majority of our leading Public and Private Schools.

ASSISTANT MISTRESSES.

Messrs. TRUMAN & KNIGHTLEY introduce University and other qualified English and Foreign Mistresses and Teachers of Special Subjects in Secondary, Public, and Private Schools. *No charge is made to Principals, and no charge to candidates unless an appointment be secured through this Agency.*

ASSISTANT MASTERS AND TUTORS.

Messrs. TRUMAN & KNIGHTLEY introduce University and other qualified English and Foreign Masters and Tutors to Schools and Private Families. *No charge is made to Principals, and no charge to candidates unless an appointment be secured through this Agency.*

LADY MATRONS AND HOUSEKEEPERS.

Messrs. TRUMAN & KNIGHTLEY introduce well qualified and experienced Lady Matrons and Housekeepers to Boys' and Girls' Schools. *No charge is made to Principals, and no charge to candidates unless an appointment be secured through this Agency.*

TRANSFER OF SCHOOLS AND PARTNERSHIPS.

Messrs. TRUMAN & KNIGHTLEY undertake all negotiations connected with the Transfer of Schools and Partnerships. All communications are treated in the strictest confidence. *No charge is made to Purchasers, and no charge to Vendors unless a sale or partnership be effected by this Agency.*

Any negotiations entrusted to Messrs. TRUMAN & KNIGHTLEY receive prompt and careful attention, every effort being made to save clients as much time and trouble as possible.

TELEGRAMS: "TUTORESS, PHONE, LONDON."

OFFICES:

TELEPHONE No.: MUSEUM 1136.

**SHEFFIELD HOUSE, 158-162 OXFORD STREET,
LONDON, W. I.**

University Tutorial Press.

CLASS BOOKS FOR SECONDARY SCHOOLS

English, French, Latin.

English Course, Preliminary. By A. M. WALMSLEY, M.A., late Senior English Master, Middlesbrough Boys' High School. 2s.
"An excellent first course in grammar and composition."—*Schoolmaster*.

English Course, The Matriculation. By W. H. LOW, M.A., and JOHN BRIGGS, M.A. Third Edition. 4s. 6d.
"Admirably fulfils its purpose. The chapters on précis-writing and indexing are excellent."—*Westminster Review*.

English Grammar, Junior. With Parsing and Analysis. By A. M. WALMSLEY, M.A. Second Edition. 2s.
"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association*.

English Composition, Junior. By E. W. EDMUNDS, M.A., B.Sc., Senior Assistant Master at Luton Modern School. 2s.
"Makes plain for the young pupil the essentials of good writing."—*Education*.

English Composition, Senior Course of. By E. W. EDMUNDS, M.A., B.Sc. Second Edition. 3s. 6d.
"Excellent devised and arranged."—*School World*.

English Verse, An Anthology of. For use in Schools and Colleges. By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. 3s. 6d.
"It is a charming and truly representative collection."—*Guardian*.

English Prose, An Anthology of. For use in Schools and Colleges. By S. E. GOGGIN, M.A., and A. R. WREKES, M.A. 3s. 6d.
"The choice of writers could not well be bettered."—*Saturday Review*.

English Literature, The Tutorial History of. By A. J. WYATT, M.A. Third Edition continued to the present time. 3s. 6d.
"It is well written, well informed, and accurate."—*The Journal of Education*.

French Course, Preliminary. By H. J. CHAYTOR, M.A., Head Master of Plymouth College, and H. E. TRUELOVE, B.A. 2s.
"An excellent first year's work, well arranged on systematic lines, with due regard to the advantages of the Direct Method."—*Athenaeum*.

French Course, New Junior. By G. A. ROBERTS, M.A., Head Master, Russell Hill School, Purley. 3s. 6d.
"The book becomes a serious rival to those existing."—*Schoolmaster*.

French Course, Senior. By Professor WEEKLEY, M.A., and CLAUDE GILLI, B.A. 4s. 6d.
"A model of clearness and simplicity."—*The Journal of Education*.

French Course, Direct. By H. J. CHAYTOR, M.A., Head Master of Plymouth College. Illustrated. 2s. With Vocabulary (French-English). 2s. 9d. Vocabulary (separately). 10d. net.
"Mr. Chaytor is a teacher of experience, and his book does him credit."—*School World*.

French Composition, Groundwork of. By Professor ERNEST WEEKLEY, M.A. 2s. 9d.
"The author's works have done much to raise the standard in French scholarship throughout the country."—*Secondary School Journal*.

French Essays, Matriculation. (Free Composition.) By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A. 2s.
"A serviceable and well-graded book."—*School World*.

French Reader, New Junior. By J. P. R. MARICHAL, L. ès L., and L. J. GARDINER, M.A. 2s. 9d.
"The co-operation of a French and an English editor has produced the happiest results."—*The Journal of Education*.

French Reader, Senior. With Vocabulary. By R. F. JAMES, B.A. 3s. 6d.
"This is a splendid reader."—*Schoolmaster*.

Latin Course, New Junior. By J. V. THOMPSON, M.A., and LL. M. PENN, M.A. 4s. 6d.
"A very successful compromise between the old and the new methods."—*Journal of the Assistant Masters' Association*.

Latin Course, Senior. By A. J. F. COLLINS, M.A., and ALFRED ROBINSON, B.A. 4s. 6d.
"The book is business-like and well arranged."—*Guardian*.

Latin Authors, Selections from. Senior Edition. By A. F. WATT, M.A., and B. J. HAYES, M.A. Third Edition. 3s. 6d.
"It is quite an interesting selection, and well done."—*School World*.

Latin Reader, New Junior. By A. J. TATE, M.A. 2s. 9d.
"Mr. Tate has shown great judgment in the extracts he has chosen."—*Bookseller*.

History and Geography.

Geography, Preliminary. By E. G. HODGKISON, B.A., F.R.G.S., Assistant Master, Crewe County School. 2s.
"An admirable text-book, clear, direct, and well suited to the needs of pupils for whom it is intended."—*Literary World*.

Geography, Junior. By G. C. FRY, M.Sc. 3s. 6d.
"A concise book of geography on modern lines. The diagrams are bold and convey definite visual instruction directly illustrating the text."—*Education*.

Geography, Text-Book of. By G. C. FRY, M.Sc. Second Edition. Revised and Enlarged. 5s. 6d.
"The compilation is by no means one of mere geographical facts; the 'why' and the 'wherefore' are everywhere in evidence."—*Schoolmaster*.

Physical Geography, Principles of. Adapted from the Physical Section of the *Text-book of Geography*. By G. C. FRY, M.Sc. 2s.
"In this thoroughly serviceable volume Mr. Fry prepares the way clearly and fully for the study of economic and regional geography."—*Educational News*.

Government of the United Kingdom, its Colonies and Dependencies. By A. E. HOGAN, LL.D., B.A. Third Edition. Revised and Enlarged. 3s. 6d.
"An elementary account of the British Constitution suitable for upper forms. The account of the present-day institutions of the British Empire is good and clear."—*School World*.

History of England, School. By M. E. CARTER, Honour School of Modern History, Oxford. 4s. 6d. Also in three parts as follows:—I, to 1603; II, 1485-1714; III, 1660-1910. 2s. each.
"Very careful judgment has been exercised in the selection of the matter, and a proper perspective maintained."—*Educational Times*.

History of England, Preliminary. By M. K. ELLIOTT, Honours in the Historical Tripos, Cambridge, and M. S. ELLIOTT, M.A. With Illustrations. 2s. 9d.
"In addition to an outline of political events it tries to give some idea of social and constitutional development and also to connect history with geography. It is clearly written and well illustrated."—*School World*.

English History, Groundwork of. By M. E. CARTER, Honour School of Modern History, Oxford. 2s. 9d.
"A very readable outline of the salient facts of English History. The material is well arranged and the language is simple."—*Educational News*.

Social History of England, A. By FREDERICK BRADSHAW, D.Sc., M.A. 5s.
"An elementary account, suitable for use in the upper forms in schools, of the social and economic development of England. A clear and concise text-book, exceedingly well expressed and well set out. It is indeed the best book of reference on this difficult topic that we have seen."—*Guardian*.

Rome, History of: The Tutorial, to 37 A.D. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Fourth Edition. Revised and in Part Rewritten by J. F. STOUT, B.A. 4s. 6d.
"An accurate and capable manual for students."—*Speaker*.

Greece, History of: The Tutorial. By W. J. WOODHOUSE, M.A., Professor of Greek in the University of Sydney. 5s. 6d.
"The outcome of wide reading, high scholarship, and much original thought."—*Westminster Review*.

For other announcements of the University Tutorial Press, see pp. 30, 31.

Complete Educational Catalogue, and Catalogue of Class Books for the Oxford and Cambridge Local, the Higher School Certificate, and London University Matriculation Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C. 2.

CONTENTS

	PAGE
OCCASIONAL NOTES	11
PERSONAL PARAGRAPHS	13
DR. E. C. SELWYN	15
DR. PERCIVAL. BY AN OLD PUPIL	15
THE CONTINUATION SCHOOL PROBLEM: (1) THE SUPPLY OF TEACHERS; (2) THE CURRICULUM OF THE PART-TIME CONTINUATION SCHOOL	16
THE HIGHER SCHOOL EXAMINATION IN ITS RELATION TO UNIVERSITY COURSES	17
SCHOLARSHIPS TO THE UNIVERSITY. BY J. L. PATON	18
SCHOLARSHIPS FOR OVERSEA SAILORS AND SOLDIERS	19
THE "FREE-PLACE" SYSTEM	19
TOPICS AND EVENTS	20
PRIMARY SCHOOL NOTES	26
URGENT PROBLEMS OF EDUCATIONAL RECONSTRUCTION. BY RETA OLDHAM, E. R. CONWAY, CHARLOTTE L. LAURIE, S. MAXWELL, AND S. B. LUCAS	31
EDUCATIONAL RECONSTRUCTION AND THE CURRICULUM. BY T. K. M. BOOTH AND T. S. USHERWOOD	33
CORRESPONDENCE	35
Determination of the Value of <i>g</i> : The Balance of Salaries in Secondary Schools; Training of Continuation School Teachers; The State Bonus and Education.	
FOREIGN AND DOMINION NOTES	38
UNIVERSITIES AND SCHOOLS	42
POETRY: TO A PHILOSOPHER	50
PRIZE COMPETITIONS	52
REVIEWS AND MINOR NOTICES	63
Psychological Principles (Ward); The English Poets (Ward); Comparative Education—Studies of the Educational Systems of Six Modern Nations (Sandiford); Examinations (Hartog).	
BOOKS OF THE MONTH	72

OCCASIONAL NOTES.

SCHMES for the constitution of a League of Nations to enforce peace continue with bewildering rapidity to be evolved, or to be disinterred from the dusty records of the past. A Dutch author, Dr. Meulen, in a work thoughtfully written in German and entitled, "Der Gedanke der internationalen Organisation," supplies particulars of no less than twenty-nine plans propounded prior to the year 1800 A.D. Dr. Evans Darby, in his "International Tribunals," adds ten more as the nineteenth century's contribution to the collection. Mr. L. S. Woolf, in "The Framework of a Lasting Peace," analyses seven schemes which have been drafted since the outbreak of the War in 1914. This gives us a total of forty-six from which to select. To add to these, two new schemes lie before us as we write, viz.: (1) "A League of Nations with Large Powers," by F. N. Keen (Allen & Unwin, 1s. net), and (2) "A Confederation of the Nations—its Powers and Constitution," by Ernest Barker (Clarendon Press, 1s. net). Four dozen plans may seem to provide an embarrassment of riches: but such is not really the case. On one hand, the present necessity for the establishment of some effective means for the prevention of the recurrence of war is so urgent that the fullest formulation of all possible schemes is desirable. On the other hand, an examination of the numerous proposals shows that they can be classified easily into a few main groups within which differences are comparatively slight. The schemes of Messrs. Keen and Barker, just mentioned, represent, as it happens, the two groups which at the moment divide the leading British advocates of the League of Nations policy. Mr. Keen would base

his league upon the all-inclusive foundation of The Hague Tribunals. Mr. Barker would evolve a confederation from the existing Grand Alliance of essentially democratic States. A year ago this distinction was of vital importance. It involved the question: Shall or shall not the undefeated and unrepentant Hohenzollerns and Habsburgs be included? Events, happily, have facilitated the reconciliation of this opposition of view, and, if only Germany and Austria-Hungary can attain to some sort of stable democratic organization, it may be possible for an all-inclusive league or even confederation to be set up.

NEVER have the inducements to leave school at the earliest date the law permits been so strong as during the War, and never have blind-alley employments been so numerous. The young war workers, both youths and maidens, have sacrificed much of their education, have received inordinately high wages, have formed habits incommensurate with their future means, and have viewed life in fatally false perspective. Now that their demobilization is taking place they are cast upon the world with much to learn, with much to unlearn, in pitiable need of protection and guidance. But the various agencies concerned with the welfare of juveniles have not been forgetful of their needs. The Board of Education have issued a circular to Local Education Authorities urging them to form educational centres for displaced juveniles until they again get employment. The Ministry of Labour have promised to pay these young persons out-of-work donations so long as they attend the centres. The London Juvenile Advisory Committee have made definite proposals for the amelioration of their condition, and have appealed for help to the London County Council. The Council needed but little persuading. They sympathetically considered the schemes of the Board and of the Advisory Committee, and have taken the matter vigorously in hand. Classes have already been started at the Woolwich Polytechnic, and it is anticipated that similar classes will soon be at work in other parts of London. These laudable efforts of the Council are receiving the strong support of the head teachers, who have promised to co-operate in the scheme and to keep in touch with their old scholars until the danger period is over.

THE Universities are now faced with the urgent problems of providing for the academic training of the thousands of potential students who have been serving the country during the past four years, and have sacrificed, or at least postponed, the studies which should have prepared them for their future professions. Of these problems the first is that of matriculation or admission to the University, and this is being attacked with vigour on all hands. Certain Universities, we learn, are admitting without examination students who have served in the Forces for a specified period; others are allowing a provisional matriculation on similar grounds, which will be confirmed if the student passes the next higher examination in a specified time; while others (e.g. London) will admit students who have been serving to a special examination which is based on individual qualifications, tested *viva voce*, or by special papers, or both. We also hear that a special Army Education Certificate is to be instituted by the military authorities, and that its acceptance by the Universities as a qualification

for admission is being considered very favourably. Many cherished traditions are swept away in these cases; but the men who will thus enter the Universities will bring to their classrooms and laboratories an earnestness of purpose, gained in the hardest of all schools, the like of which their predecessors rarely knew.

ONE of the many results of the War has been the suspension of the award of Rhodes scholarships, for no scholars have been elected since 1917. It will be difficult, moreover, to hold elections before next autumn—that is to say, for the year 1920. The opportunity provided by this new beginning gives Mr. F. J. Wylie the text for a suggestive article in a recent issue of the *Oxford Magazine*, which discusses whether any changes can be made which might contribute to a fuller attainment of the objects of the Rhodes Foundation. Referring chiefly to the United States, he points out the desirability of appointing in the States committees of selection composed of men genuinely interested in securing scholars for the Trust who will be complete and satisfying representatives, and he adds that former Rhodes scholars might appropriately be included on such committees. He also urges a course which will be widely approved—namely, that it should no longer be necessary for a candidate for a Rhodes Scholarship to pass an examination “equivalent to Responsions” in elementary Greek, Latin, and mathematics. We hope the trustees and the University of Oxford will alike recognize the wisdom of Mr. Wylie’s proposals. He would say to the committees: “Select the best man you can find. He must have character as well as ability; but you have a wide field, and we will not hamper you with examinations. See to it that you send us of your best.”

WE have recently noted in these columns with satisfaction the endowment by Mr. Serena of Italian Chairs at Oxford and Cambridge and that of a Chair of French at Oxford by Sir Basil Zaharoff. And now we have to record that Lord Rothermere has offered to the University of Cambridge a sum of £20,000 as an endowment of a Professorship of Naval History to be called after his second son, the Hon. Vere Harmsworth, who was killed in November 1916 at the battle of the Ancre while serving with the Naval Division. It must not be forgotten that this is the second chair that Lord Rothermere has founded at Cambridge, the other being the King Edward VII Professorship of English Literature, now held so ably by Sir A. Quiller-Couch. A fourth benefaction is that of Major David Davies and his sisters, who propose to give £20,000 to found a Chair of International Politics at Aberystwyth, to be associated with the name of President Wilson. We are still far from the level of American generosity, but here we have £80,000 offered within a month to assist the development of higher education in our Universities. These gifts form a hopeful augury for the success of the work of reconstruction with which the nation is faced. If other benefactors decide to endow scholarships tenable at the Universities—the great need at present is for scholarships in modern languages and modern history, of which there are so few—a far larger proportion of the population will be able to secure the advantages of a University education, and so be provided with the outfit necessary for training others and for success in life.

THE Annual Report for 1917 of the Chief Medical Officer of the Board of Education is exceptionally interesting, less for its facts and figures than for Sir George Newman’s illuminating comments and conclusions. Although he assures us that the schemes of medical treatment established by the Local Education Authorities have been maintained fairly well, and in some cases expanded, he again calls attention to the laxity of certain Authorities. But he rejoices that a policy of neglect is no longer possible. For, while under the old scheme the Local Education Authorities had medical *powers*, under the new Education Act they have medical *duties*. Under the old scheme they may act, under the new scheme they must act. Sir George regards it as proven that the School Clinic is the most convenient and efficient health centre for children. He shows too the advantage of preventive measures over treatment that is merely curative. Finally he reviews the results of the school medical service for the decade during which it has been in operation. That the results have been beneficent he has no difficulty in showing. It is not a question of demonstrating directly that the general health of school children has improved (this is by no means easy, since statistics of cases mainly serve as a clue to the efficiency of the means of detection), but rather of showing improvement in the conditions that are demonstrably conducive to good health. The rest may be taken for granted. And, as far as appearances go, betterment is palpable to the most casual observer. Extreme squalor has disappeared. Even if no more could be said, it is much to be able to say that the children of the slums are now in the main well-nourished and clean—clean in the ordinary sense of free from dirt, and clean in the euphemistic sense in which the word is used by the school nurse.

A DEPUTATION from the heads of the State-aided Universities and University colleges has recently waited upon the President of the Board of Education and the Chancellor of the Exchequer to ask for augmented grants. It is important that the claims of the non-professorial staff for increased remuneration should not be overlooked. The low scale of salaries at present prevailing is made evident from an analysis of the data collected from fifteen Universities and University colleges. It appears that out of a total of 329 lecturers, 63 per cent. receive salaries not exceeding £200, while the salaries of another 30 per cent. are between £200 and £300; seventeen lecturers receive salaries of between £300 and £400. A very large proportion of the actual work of the Universities must necessarily fall upon the non-professorial staffs, and in the national interest it is of the utmost importance that the conditions of status, tenure, and remuneration should be such as to attract and to retain in this service men and women best fitted to discharge it. Much of the work is highly specialized, and cannot be carried on by novices.

IN our last issue we expressed to Mr. Fisher the thanks of the teaching profession for the success which has attended his efforts to provide pensions for teachers. There is, however, at least one branch of the profession which does not benefit by the passage of the Superannuation Act. Dissatisfaction has been widely expressed

The Health of School Children.

Rhodes Scholarships.

Recent Benefactions to Universities.

The Position of the University Lecturer.

Pensions for University Teachers.

at the exclusion of University teachers from the scope of the Act. There is in existence a Federated Superannuation Scheme on a contributory basis for University Lecturers and Professors, but the benefits thus secured fall far short of those obtained under the new Act. For example, one University teacher, after twenty-seven years of service, is at present looking forward to an annuity of £30 per annum, half of which he will have bought by his own contributions. Under the Act he would receive an annuity of £250 per annum, with a lump sum of about £750 in addition. Further, the present scheme is applied only in the case of those University teachers whose salary exceeds £200 per annum. This means that over two hundred members of the teaching staff of the State-aided Universities and University Colleges of England, Wales and Ireland have absolutely no provision made for them as regards a retirement fund. Many of these have ten, fifteen, or more years of service to their credit. It is clear that the exclusion of University teachers from the pensions scheme will have a highly detrimental effect upon the supply of suitable candidates for the University teaching profession. The Universities are at one blow severed from the secondary and technical schools and the training colleges, and any interchange of teachers is made practically impossible. At a Conference of University Lecturers held at King's College, London, on November 30, it was decided unanimously to press for an extension of the pension scheme so as to include University teachers.

THE National Council of Domestic Studies is an authoritative body well qualified to deal with educational questions relating to housecraft. It consists mainly of experienced teachers together with representatives of wider interests. Its council has instituted recently examinations for the award of "Housecraft" and "Housekeepers'" certificates. These examinations are not intended as qualifications for teachers, but principally for girls in "advanced" courses in secondary schools, and, to a smaller extent, for women attending training schools of domestic economy who are desirous of being trained as housekeepers, "welfare" workers, and so on. The scheme is based on sound educational lines, and, judging from the personnel of the Council, confidence may be felt in the value of the course of training laid down. For the guidance of schools, a memorandum containing suggested syllabuses for various branches of housecraft studies and a scheme of instruction in "science as related to the domestic crafts" has been issued. The syllabuses are up to date, and quite practical, without being unduly narrow. We note, for example, the prominence given throughout to new methods and materials arising out of experience gained during the last four years, questions of cost, labour-saving devices, the applications of electricity in the home, and the inclusion under the heading of "house management" of "such simple instruction in local government and social questions as will help students to prepare intelligently for the increased duties and responsibilities of women." The science syllabus contains valuable suggestions to teachers, although it is open to criticism in certain details. The scheme is based upon the assumption that students have been grounded previously in the principles of physical and chemical science, which will probably be the case with students in advanced courses in secondary schools, but not with women working for the housekeepers' certificates.

A RECENT report issued by a Committee appointed by the Council of the Sheffield Association of Metallurgists and Metallurgical Chemists recommends that all students entering upon any specialized course of applied science should first have passed a general examination of matriculation standard. Such a recommendation from a body of manufacturers is a gratifying sign of the times and a welcome recognition of the supreme value of a broad general education, such as our secondary schools provide, as a preparation for successful work in technical science. The report suggests that the present low status of assistant chemists can be traced to a lack among them of the amount of general education represented by examinations of matriculation standard. It may be hoped that the recently instituted First School Examination, which the Board of Education are introducing into all State-aided secondary schools, will result in the majority of our secondary-school pupils in the near future being able to base their professional studies upon the sound foundation which a good general education provides. We hope the example set by the manufacturers of Sheffield will be copied in other industrial centres.

PERSONAL PARAGRAPHS.

SIR ALFRED DALE, Vice-Chancellor of Liverpool University, is resigning in September next. He has decided upon this step in the interests of the University, holding the view that the impending educational changes and the new problems that are arising necessitate the immediate appointment of a younger man, who can begin the work rather than carry it on after a beginning has been made. Sir Alfred would, in the normal course, retire in December, 1920, under the clauses of the Superannuation Scheme. The University Council has accepted the resignation with regret, and has placed on record its great appreciation of Sir Alfred Dale's invaluable services during the last nineteen years, first as Principal of University College, Liverpool, and afterwards as Vice-Chancellor of the University.

* * *

SIR WALTER DURNFORD has been elected Provost of King's College, Cambridge, in succession to Dr. M. R. James, now Provost of Eton and an Honorary Fellow of King's. Sir Walter Durnford was educated at Eton and King's, graduating fourth in the First Class of the Classical Tripos in 1869 and becoming a Fellow of the College. For the following twenty years he held a mastership at Eton, where he commanded the 2nd Bucks (Eton College) R.V. Returning to Cambridge, he was elected Mayor of the borough in 1905 and became Vice-Provost of King's and a member of the governing body of Eton in 1909. He has been a member of the Teachers Registration Council since 1913. Mr. W. H. Macaulay is to succeed Mr. Durnford as Vice-Provost.

* * *

THE University of Liverpool has offered the honorary degree of Doctor of Laws to President Wilson. It is hoped that it will be possible to confer the degree when the President arrives in England.

* * *

MR. D. J. LLOYD has been appointed Head Master of Port Talbot County School. The appointment is to date from Easter next, when the present head master, Mr. W. Barry, retires on the completion of twenty-two years' distinguished service. Mr. Lloyd, who is only thirty-two years of age, is a graduate in honours of the Universities of Wales and Oxford in classics. He is at present attached to the Royal Air Force as a schoolmaster.

THE RT. HON. WALTER LONG, M.P., has been appointed a Governor of Harrow, at which school he received his early education. The vacancy on the governing body was created by the death of the Earl of Lichfield.

* * *

MR. H. WILFRED CARTER, History Master at Bradford Grammar School, has been appointed to the Head Mastership of Marling School, Stroud. Mr. Carter was educated at Liverpool College and Hertford College, Oxford. He graduated with honours in History in 1907 and gained experience at Duke's School, Alnwick, and at Rutherford College, Newcastle-upon-Tyne, before joining the staff at Bradford Grammar School.

* * *

THE Salters' Company has appointed Dr. Martin Onslow Forster, F.R.S., to be the first Director of the Salters' Institute of Industrial Chemistry. A distinguished chemist, Dr. Forster has been Chairman of the Technical Committee of British Dyes, Limited, since July, 1915, and until recently a member of the Board of Directors. He is Honorary Treasurer of the Chemical Society and a member of the Council of the Royal Society.

* * *

CAPTAIN W. H. D. MARGESSON, R.N., is to succeed Capt. W. H. F. Montanaro, R.F. (retired), as Captain Superintendent of the Nautical College, Pangbourne. Captain Margesson joined as Naval Cadet in 1883, and first served as a Midshipman on the North American and West Indian Station in 1885. He retired in 1910 with the rank of Post Captain, but rejoined on the outbreak of war. He was appointed on the Naval Staff of the Admiralty and has done valuable work in equipping merchant ships with means for defeating submarines.

* * *

DR. HUGH PERCY ALLEN, Professor of Music in the University of Oxford, is to succeed the late Sir Hubert Parry as Director of the Royal College of Music. Dr. Allen is a Fellow and Organist of New College and Choragus of the University. He is a member of the Royal College of Music and of the College of Organists and also conductor of the Bach Choir. He formerly held appointments as organist at St. Asaph and Ely Cathedrals and Director of Music at Reading College. The late Sir Hubert Parry had been Director of the Royal College of Music since 1894. He was educated at Eton and Exeter College, Oxford, graduating Mus. Bac. after one year's residence and M.A. in 1874. One of the most scholarly musicians, he was a leader of the renaissance of modern English music. His literary works include "Evolution of the Art of Music," "Studies of Great Composers," "Life of J. S. Bach," "Style in Musical Art," and many articles in the well-known Grove's "Dictionary of Music." In choral music his most widely appreciated composition is the "Blest Pair of Sirens," and his "English Lyrics" is replete with gems of song literature.

* * *

DR. HENRY WALFORD DAVIES, organist and director of the choir at the Temple Church, has been appointed Musical Director to the University of Wales, Professor of Music at Aberystwyth College, and Director of the Welsh Council of Music. The appointment follows the recommendations of the Royal Commission, and the decision of Dr. Davies to accept office and to devote himself to the cause of musical education in Wales will be welcomed warmly throughout the Principality.

* * *

THE London University Extension Board has invited the Associations of Head Masters, Head Mistresses, Assistant Masters, and Assistant Mistresses to nominate representatives to attend the meetings of the Board, on invitation, for purposes of consultation with regard to the examination of schools by the University. This step will be cordially welcomed as making for a closer connexion between the schools and the University. Miss Escott (Clapham High School), Mrs. Jewel Pearce (Kensington High School), and Mr. W. H. Lovel (Emanuel School), have already been nominated by the

Head Mistresses, Assistant Mistresses, and Assistant Masters respectively. A similar representation of teachers has been conceded by the Universities of Cambridge and Bristol. Mr. A. Robinson, Wolverhampton, represents Assistant Masters on the Joint Committee for Examinations set up by the Cambridge Syndicate, and Mr. W. J. B. Westcott, Assistant Master Bristol Grammar School, has been appointed as a representative on the Committee upon Examinations for School Certificates set up at Bristol University.

* * *

MR. RICHARDS, formerly chief inspector of training colleges, is to succeed the late Mr. F. H. B. Dale as His Majesty's Chief Inspector of Elementary Schools. Mr. Richards is Chairman of the Departmental Committee on the selection of disabled soldiers and sailors for the teaching profession. Mr. Wood, late Chief Divisional Inspector of Elementary Schools in the North of England, will take up the position vacated by Mr. Richards.

* * *

MR. J. A. WILLIAMS, an assistant master under the London Education Authority, has been elected Mayor of East Ham. Mr. Williams has been a Councillor of the borough for some time and is one of the few members of the teaching profession to attain to high civic dignity.

* * *

MR. J. A. PALMER, Secretary to the Birmingham Education Committee, has intimated his desire to retire on the ground of ill health. He is to continue in office until the appointment of his successor. Educated at Plymouth, Mr. Palmer became assistant clerk to the School Board of that town. He was later appointed assistant to Colonel Pope, Clerk of the Bradford School Board, and was promoted clerk on the latter rejoining the Army. He entered the service of the Birmingham School Board in 1897 and was appointed Secretary to the Education Committee when the School Board was abolished in 1903. He has thus completed twenty-one years' service at Birmingham, and during this period the number of children under the control of the authority has increased from 60,000 to 180,000. Mr. Palmer has been associated with the great educational reforms which have been carried through in recent years in Birmingham, and it is due to his great administrative power and deep interest in the cause of education that the educational needs and requirements of the locality have been secured with such smoothness and success: his work has won him the respect of all educationists. Mr. Palmer has been President of the Conference of School Board Clerks, the Association of Directors and Secretaries of Education, and the National Association of Education Officers. With Sir Robert Blair he has had the distinction of holding the two latter presidencies in the same year.

* * *

MR. EDWIN STEWART CRAIG, Assistant Registrar of Oxford University, has been elected Fellow of Magdalen College. Mr. Craig, who is a native of Belfast, received his early education at St. Mark's School, Windsor, and went to University College, Oxford, as a Mathematical Scholar in 1883. He obtained First Class in Mathematical Moderations (1884) and in the Final Mathematical School (1887). He was appointed Lecturer in Physics and Engineering Science in his College in 1909, and acted for some years as Demonstrator under Prof. Townsend in the electrical laboratory. He became the first Assistant-Registrar and Secretary to the Boards of Faculties in 1907, and has discharged the ever-increasing duties of this office with much success. He has also taken a very keen interest in the military activities of the University.

* * *

THE Council of Westfield College (University of London) have appointed Miss Bertha S. Phillpotts, M.A., O.B.E., to the vacant Principalship. Miss Phillpotts has many family connexions with education and scholarship. Her father is the late Head Master of Bedford School, her uncle was Head Master of Rugby, and she is closely related to the Heads of Girton College and Lady Margaret Hall. She is herself a

scholar of distinction and has had a varied experience in University work. At Girton she obtained First Class Honours in the Medieval and Modern Languages Tripos, and afterwards lectured and held the post of Librarian there. Later she became the first holder of the Lady Carlisle Fellowship at Somerville College. Her studies have been concerned with the early history and literature of Scandinavia, and she has contributed articles on these subjects to the "Encyclopædia Britannica" and to the "Encyclopædia of Religion and Ethics." She has worked at the University of Copenhagen, and pursued her special line of research in various Northern European cities. Some of the results of her investigations have been published in a book entitled "Kindred and Clan," a valuable and original contribution to the knowledge of medieval history. Miss Phillpotts is the only woman Fellow of the Royal Society of Antiquaries, Copenhagen. She has lately been attached to the British Legation at Stockholm, and in June last was decorated in recognition of her services. During recent years Westfield College has extended its work in several directions. The appointment of Miss Phillpotts will secure both its best traditions and its continued development, and she is sure of a welcome from the University of London.

* * *

THE death is reported, from pneumonia, of Mr. R. P. Gregory, Fellow and Tutor of St. John's College and University Lecturer in Botany, Cambridge. Educated at St. John's, Mr. Gregory took First Class Honours in both parts of the Natural Science Tripos 1900-2, with special distinction in Botany. In 1904 he was awarded the Walsingham Medal for research in botany. In the same year he was elected a Fellow of his college and eight years later he was appointed tutor in natural science. On the outbreak of war he joined the University O.T.C. and carried on the instruction of cadets for some time. Later he was gazetted to the 1/6th Gloucester Regiment and was badly gassed three weeks after his arrival in France. He resumed his tutorial work last September on receiving his discharge from the army.

* * *

THE death of Miss Esther Gadesden, formerly Head Mistress of the Norwich High School for Girls for more than twenty years, will be deeply deplored in Norwich. Although Miss Gadesden retired nearly twelve years ago, the influence of her work is still felt in the district, where she was known as a keen and successful organizer and a woman of wide interests and deep sympathy. She was the elder sister of Miss F. Gadesden, Head Mistress of Blackheath High School, and for many years Treasurer of the Federal Council of Secondary School Associations.

* * *

MR. J. D. WHITE, Modern Language Master at Haileybury College, has died owing to an injury to the spine caused by a fall in the dark from the parapet on the south terrace of the college. Mr. White had retired from the college after forty years' service, but returned to his position for the duration of the War owing to the scarcity of junior masters.

ONLOOKER.

THE Historical Association has issued as its Leaflet No. 46 (November, 1918) a list of selected books relating to the history of the British Empire Overseas suitable for the use of schools and students. The list given does not pretend to be exhaustive even of the more accessible books, and it designedly excludes monographs and specialist works for which reference must be made to the authorities quoted in the first section. Practically all the books mentioned here are in print and easily obtainable, but the few older books that are referred to can be readily purchased second-hand. Distinctive marks have been attached to books suitable for use as class textbooks and to those which should be included in all school libraries. College and public libraries ought to contain all the books mentioned in the list. Textbooks and readers that are suitable for use only in elementary schools have not been included. Full particulars as to membership of the Association can be obtained from the Secretary, Miss M. B. Curran, 22 Russell Square, W.C. 1.

DR. E. C. SELWYN.

THE untimely death of Dr. Selwyn will be lamented by many generations of boys of Uppingham School, over which he presided for twenty years, and by a large circle of friends. Before his appointment to Uppingham, where he succeeded Thring—a task none too easy to undertake—Selwyn had been for about five years at Liverpool College. There he raised the numbers and wisely arranged for the removal of the site of the Upper School from the business part of the city, though the new buildings were not completed during his time; he improved the character of the staff by wisdom in his choice of assistants, a quality which he displayed at Uppingham also.

He was himself a good and enthusiastic teacher, and always took a large share of the sixth-form work; a careful and accurate scholar, he insisted on the same qualities in others; he was alert and stimulating, always looking out for fresh ideas, at times, perhaps, a little apt to pick them up and drop them again; but he was never dull, never stereotyped, but humorous, even surprising; much liked by the boys with whom he came into closest contact; no seeker after popularity, he never swerved from what he thought was right; occasionally a little apt to say what first came into his mind, when reticence would have been wiser; he could quarrel, but he had one inestimable quality, he bore no malice—he liked a man.

The story goes that on one occasion a candidate for a mastership stayed the night in the School House; at breakfast next morning he was seen by Mrs. Selwyn to be dallying with his egg, and she said, "I fear, Mr. —, your egg is not good." He agreed. "What, what!" said Dr. Selwyn, "a bad egg at my table; certainly not, certainly not," and the young man ate that egg! Selwyn's sardonic comment after he had gone was merely, "Shan't appoint that man; very weak about that egg!" The story is only partly true, but has become in the process of embroidery more illustrative of the man. So there was plenty of life in the school while Selwyn ruled it.

The standard of work and knowledge was somewhat low at Uppingham at the time of his appointment; he quickly raised it in a most marked degree: the staff was improved; new buildings were added and new houses built; a cadet corps was set on foot and everybody taught to shoot; a new water supply—a most essential want—was secured, mainly through his energy and persistence; the school in many ways developed, in fact, without the loss of its peculiar character and traditions. He raised the numbers, strengthened the discipline, and was to the last, even after he had retired, keenly devoted to the best interests of the school; all that touched Uppingham touched him even to the end of his life.

E. H.

DR. PERCIVAL.

By AN OLD PUPIL.

"WE were climbing up from the town to the station, when suddenly, far above us, on a high bank against the sky-line, was P., a solemn and almost awful figure and face—not melancholy, but stern and hard: far reach of eye, the pose of memories and back-seeking." This is a picture by T. E. Brown of the late Bishop in the year he left Clifton, looking down upon his old school at Appleby. He was of Westmorland stock, and from Appleby Grammar School he went to Queen's College, Oxford, of which society, after the highest distinctions in the schools, he became Fellow. In 1860 he began his life as a schoolmaster at Rugby, under Temple, and it is curious to his later pupils to learn that at first he had difficulty in maintaining discipline. In September 1862, as Head Master of Clifton, he addressed the first sixty boys in the new Big School, and sounded the note which rang again and again in after years.

"If you desire to belong to a place of which you may be

justly proud: if you wish to hear this college spoken of as one that bears a high name, as a place where truth and uprightness and purity and all Christian virtues are held in honour: as a place where all that is base and unworthy is hated and despised—then remember that it rests with you to give it that name." Any Cliftonian or Rugbeian will feel that these words bring back echoes from chapel, Big School, or Sixth Form room, recalling that austere presence and northern accent driving home the sense of responsibility, the scorn of base-ness, the duty of loyalty to the common life. He was no speaker, but yet his words bit and gripped as fluency never did. Inside the ice there was an inner fire that was felt in his struggling utterance. Clifton, as someone said, was a *tour de force*. In seventeen years he brought it into the front rank of English schools—building, financing, organizing, breaking a path for science and modern languages, and kindling the spirit which was to make the work worth doing and keep the new growth alive. He was a prophet in his idealism, a Whiteley in his grasp of business. He made great demands on masters and on boys; he had so much strength and power of work himself that sometimes he called for more than could be given, but through the mass he shot the stimulus of energy and zeal and public spirit. It was through the Sixth that at Clifton and at Rugby he influenced the school. He never gave the rule into the hands of athletes pure and simple—the broad way that leads to destruction. But the Sixth were required to take their part in all the life of the school and really lead, and this is the true public-school tradition. It could not be said that in the classroom sense he was a great teacher, and yet the lessons in Plato or Thucydides were deeply impressive. The austerity of the old historian was akin to his own soul. To take an essay to him was to feel a scorching abhorrence of false sentiment, cheap rhetoric, and slipshod thought not easily forgotten.

One incident of the Clifton Sixth room was long quoted as characteristic. He had a way of tilting restlessly upon his seat, and once fell over. The head of the school, now an excellent clergyman, rushed forward with the words, "Oh, Sir, are you much hurt?" "Sit doon, you silly fellow!" was the stern reply. Stern and hard, as Brown's picture says, a Stoic like one of the old Romans whose virtues he admired, his boys believed in him, and looked up to him with a reverence in which awe prevailed. And yet they knew he had a human side, a dry humour with a rare, attractive smile; a love of riding and outdoor life, and an expectation, seldom disappointed, that the games should be as strenuous as the work. He gave much; he expected much; he did not deal in easy sympathy, and he was singularly unaffected by the opinion of those about him. What these qualities meant in his later public life others must estimate; but at school it must be said that none passed under him without owning his power, and few without feeling his greatness. It was at Clifton that he first became known to fame, and in his final resting-place in Clifton Chapel "*posteritati narratus et traditus superstes erit.*"

THE Modern Language Research Association announces a Conference to be held at Bedford College, Regent's Park, N.W. 1, on Friday, January 10, at 3 p.m. The subject for discussion, "The Promotion of Modern Language Research among Teachers," will be introduced by Prof. F. S. Boas, and contributions from non-members as well as from members will be welcomed. The Secretary, Mr. E. Allison Peers, 24 Beaufort Road, Kingston-on-Thames, will be glad to send tickets for the conference to any who may wish to attend; copies of the provisional prospectus will also be sent to any intending members who apply for them.

THE Exhibitions offered annually by the Associated Board of the Royal Academy of Music and Royal College of Music, which entitle their holders to free tuition at the R.A.M. or the R.C.M. for two or three years, have been awarded to the following candidates:—Irene V. Hyman, London (Pianoforte), Lina S. Collins, London (Pianoforte), and Eleanor L. Andrews, London (Violin), at the R.A.M.; and Mabel J. Le Fèvre, Bournemouth (Violin), William Stuart Jones, Cardiff (Violin), and Eileen N. Sharp, Brighton (Singing), at the R.C.M.

THE CONTINUATION SCHOOL PROBLEM.

1. THE SUPPLY OF TEACHERS.

SOME twenty thousand additional teachers, it is estimated, will be required when it is compulsory for young persons between fourteen and sixteen years of age to continue their education. The task confronting the Board of Education and the Local Education Authorities, therefore, is one of some perplexity and difficulty. The Consultative Committee, some years ago, prepared a useful report on attendance, compulsory or otherwise, at continuation schools. It showed that, of 691,000 children fourteen years of age and under sixteen, 77.47 per cent. were not attending any day school, and 64.10 per cent. were not continuing their education in any day or evening school. Regarding children aged fifteen and under sixteen, the percentages in both cases were, as might be expected, somewhat higher, being 89.46 and 76.73 per cent. respectively. At the present time probably there are about one and a-half million children in England and Wales fourteen years of age and under sixteen, and, if 25 per cent. of these are assumed to be in either day or evening schools, the estimate will be approximately correct.

This proportion represents the position of affairs under the voluntary system; the differentiation between those who have the desire and ability to take advantage of opportunities—and others. Under compulsion—more particularly when the work of the later stages of elementary schools is improved, and the age of exemption is actually, and not nominally, fourteen—it is to be assumed that the proportion of boys and girls capable of benefiting by further systematic teaching, and desiring to do so, will considerably increase. A sanguine reconstructional enthusiast might expect that in a very few years 50 per cent. of young persons would be found in secondary, technical, and central schools, or pursuing regular courses of further training in continuation classes.

Teachers, trained or otherwise qualified, now available for the existing service are insufficient in number, and to staff a considerable extension of the service new sources of supply will have to be found. Among possible sources, men demobilized from the Army and educated women who have been employed in various public or private developments of War work are the most hopeful. Given a reasonable standard of educational attainment, and the desire to adopt teaching as a profession, such men and women, after some experience as student-teachers in a suitable institution or a short course of instruction in a training college, should be well qualified for regular duty.

After providing suitable facilities for the further education of boys and girls capable of taking advantage of them, there will be at least a moiety who are not likely to respond to the requirements of systematic teaching. These will include the dull and backward, the incorrigible laggards, and those with no desire to learn by formal process and little ability to do so. As far as these young persons are concerned, the titles "continuation" and "school" are perhaps inappropriate. The aim should not be a continuation of the limited standard of attainment reached in the elementary school, nor should it be scholastic. Consequently, in addition to a large extension of what may be termed recognized educational opportunities for willing and competent pupils, it would seem to be wise to contemplate the establishment of institutions of an entirely different type. While educational in the best sense of the term, they would not conform to accepted standards of pedagogic effort. Their work would be moral and social rather than scholastic, and for their successful organization "freedom, variety, and elasticity" would be essential.

The kind of discipline and training commending itself as particularly suitable for such institutions is that associated with the Boy Scouts and Girl Guides movement. With comparatively little adaptation, or extension, the methods of those admirable voluntary developments might accordingly serve as the basis of continuation schools for 50 per cent. of boys and girls between fourteen and sixteen years of age. If so, it follows that the

best "teacher" for institutions of this type would be the man or woman capable of discharging with efficiency and success the duties of Scoutmaster or Guide Mistress. Where are they to be found? As in the case of the regular educational service, although different qualities would be sought, the supply should be forthcoming from men now leaving the army and women who have done war work. There are large numbers who may not possess diplomas and certificates, but who "know themselves and the world," who understand discipline, are interested in the development of human material, and, with help in special directions, could deal effectively with boys and girls on the lines indicated.

The officers of the Board of Education and others, who are now investigating the credentials of men about to be discharged from the Army who desire to become teachers, may feel obliged to reject many otherwise entirely suitable applicants, on the ground of deficiencies in educational training. Such "rejects," whatever their previous occupation, trade, or experience may have been, should, if they have the requisite personal qualities, be regarded as possible recruits for duty in part of the service, at any rate, to be performed by continuation schools.

2. THE CURRICULUM OF THE PART-TIME CONTINUATION SCHOOL.

IN any discussion of the curriculum of the part-time continuation school it is necessary from the first to dismiss the idea that there is "continuation" in any real sense except that of time. The number of hours a week is so small compared with the twenty-seven or so of the public elementary school that the continuation school curriculum must of necessity be narrower. The fact, again, that leaving school and starting work alters the whole outlook on life of the boy or girl renders it necessary to approach subjects in a different way. Finally, the fact that a boy or girl under fifteen or thereabouts will study any subject as a matter of duty, while a boy at any rate over that age will exert effort only in connexion with a subject which interests him, renders it necessary to provide alternative curricula, and to have regard to the occupations of the pupils.

If these facts could be ignored, one might say at once that some English and arithmetic, some manual occupation, some study of modern history, especially the industrial and social changes since 1700, which afford an explanation of existing economic and social conditions, an introduction to physical and biological science, and physical training, would meet the requirements. As it is, we must look for a different basis, and seek to secure the same ends through curricula framed on a different plan.

Assuming that physical training is common to all curricula, those pupils who have entered or are about to enter upon an industrial or commercial career will demand curricula on the lines of the preliminary technical and commercial courses now conducted in evening schools. The first of these comprises:—English, mathematics, drawing, experimental science; and the second, English, arithmetic and accounts, shorthand, or book-keeping.

The demand will be reinforced by parents and employers who are able to bring pressure to bear upon Local Education Authorities. Each of these courses occupies six hours a week, or about 150 hours a year. Each of them, moreover, is capable, in the hands of well-informed and skilful teachers, of contributing in a not inconsiderable degree towards a liberal education, and, with the longer duration of the course and greater facilities for homework, this aspect could receive greater attention. The syllabuses could be widened both in scope and interpretation. The essential feature of the courses at the present time is not that they are technical or commercial, but that they are preliminary, and this is especially true of the first one.

A more difficult problem is to provide for that type of pupil who will not, in existing circumstances, come to an evening school, or who comes only for a short time and then leaves because the instruction appeals neither to the interests of his

occupation nor to the interests of his leisure. Generally speaking, his occupation has no technical interest at all; but he is a young citizen; he will have rights and responsibilities, and, if he can be persuaded to take an interest in the historical, social, or scientific aspects of his environment, so much the better. Physical exercises are almost sure to attract him, and most likely some form of manual occupation, including gardening.

The manual occupations should be rather of the handy-man type than systematic carpentry or metal-work. A youth who has learnt how to mend his own boots, build his own hen-coop, and cultivate his own garden-patch has acquired wholesome habits of utilizing leisure which will contribute to his own happiness and render him a more useful member of society.

Those girls who are engaged, or are about to be engaged, in commerce will doubtless follow the commercial course, and others a domestic course with a fair amount of time to English. In view of the variety of vocations which are now open to women, these do not exhaust the possibilities. But the fact that employment in many cases ends with marriage renders it undesirable that any girl should escape domestic training altogether.

Apart from the curricula which have been set out here there is room for others where there are teachers of special knowledge or capacity or pupils with special needs. What it is desirable to avoid, however, is a "hotchpotch" of subjects. The curriculum must have coherence, unity, and aim, or it will fail in its purpose. A certain amount of narrowness is inevitable, and therefore it is the more to be desired that the dry bones of instruction in classroom, laboratory, workshop, kitchen, and workroom should be clothed by occasional lectures, visits to museums, art galleries, and places of interest, reading circles, debating societies, rambling clubs, and other agencies supplementary to, and less formal than, those which necessarily hold sway in the school. Finally, if in the development of this side of the work self-government is encouraged, the pupils will gain more than information. They will gain that measure of responsibility upon which sane citizenship so largely depends.

THE HIGHER SCHOOL EXAMINATION IN ITS RELATION TO UNIVERSITY COURSES.

THE Higher School Examination is intended to test the work of secondary-school pupils who have stayed on for two years after passing the First School Examination, taking an advanced course approved by the Board of Education. One who passes the Higher Examination is assumed to be fit to enter upon an Honours Course at a University. The great majority of the schools concerned are State-aided schools; and most of the pupils will go on to a University other than Oxford or Cambridge.

How is the scheme going to work out in practice? To give definiteness to what we have to say we will take the case of London University and schools taking its examinations. Probably our considerations will apply to the relation of any newer University to any secondary school.

At the very outset we are confronted by the mistake that was made in fixing sixteen as the age of ripeness for University work. The standard of the London Matriculation Examination is such that it can be passed by any intelligent boy of fifteen. At London you can matriculate at sixteen and get your degree at nineteen; at Oxford or Cambridge the age of entry is usually nineteen, and the degree is obtained at twenty-two. Can anyone doubt that it is better for a University to have students aged nineteen to twenty-two than those appreciably younger? The Board of Education clearly think so and desire able boys and girls to stay at school until they are

eighteen or nineteen; that is the idea underlying the advanced courses. How are the schools taking up the idea? and what is the attitude of the University of London?

The schools (and the parents) ask, quite rightly: "What does it lead to?" If the boy or girl wants to take a London degree, will it be an advantage to have taken the Higher Examination? A year's work (not, it is true, on lines altogether congenial to a progressive schoolmaster) enables a pupil to pass the External Intermediate Examination in Arts or Science. That is one of the grotesque results of making sixteen the age for matriculating. The pupils do easily at school what is supposed to be work of University standard. It would be comic if in these days we had a right to see anything but tragedy in our educational blunderings.

The Higher School Examination demands two years' work. You can get the External Intermediate in one year; what weight will the Higher Certificate carry if you decide to become an internal student of the University? Although it is manifestly in the best interests of the University to attract Honours students of eighteen and nineteen, we are still waiting for an answer to that question. No sane person suggests that there should be a reduction of the three years which we recognize to be the minimum for an Honours course; but—what about the Internal Intermediate examination? The question suggests itself at once: Why should there be an Internal Intermediate at all? It is open to the colleges to test the undergraduates' progress at the end of each academical year, as is done at the older Universities; surely that should suffice. At present there is evident reluctance to promise exemption from the Internal Intermediate to those who shall have passed the Higher School Examination; and many are deterred from preparing for it owing to uncertainty as to the weight it will carry.

Now, to be fair, this reluctance on the part of the internal authorities is not wholly unreasonable. Students who had passed the External Intermediate at school or by a crammer's help have often been found sadly wanting.

It has indeed been urged that it is wrong of the schools to attempt anything beyond the Matriculation standard, on the ground that they lack equipment, that they lack teachers for the advanced work, and that there is a fundamental difference between the methods of study at school and at the University. It will not take long to remedy the present deficiency of equipment. The alleged lack of competent teachers would be a more serious difficulty, but, if this sweeping charge be true, who is to blame? Who taught our teachers but the Universities? And, if these are incompetent to train teachers able to give instruction in their subjects to young people of seventeen or eighteen, then there is something radically wrong with our Universities. The difference between school and University methods of study is a very vague one. Obviously you can expect more independent and more strenuous work from a student of twenty than from one of seventeen; but it seems to be a question of degree rather than of kind. We know school teachers whose stimulating and inspiring influence is wholly admirable, and there are University teachers whose work is at best glorified spoon feeding. Do Oxford and Cambridge complain because they do not get their students at seventeen?

The present situation is intolerable; something must be done, and done soon, if the best brains in our secondary schools are not to be deprived of University teaching when our country needs trained thinkers as it never did before. The State and the Local Authorities must see to it that no able boy or girl is prevented by lack of means from staying at school for two years after the first examination, with a view to preparing for an Honours course to begin as soon as the University is entered. Entrance scholarships to the Universities have done more harm than good, and some subjects are excessively favoured by them; the funds should be used for assisting all who have passed the Higher School Examination well and need money for their University education.

The advanced courses should be liberally planned, allowing, for instance, for those who on entering the University read for a degree in commerce. Experiments (especially in "Modern Studies") should be encouraged; some examining bodies pre-

scribe the course of study, designating the books to be read, which is to be deprecated.

The newest Universities must get into close touch with the secondary schools that are to feed them. It is on the foundations laid by the advanced courses that their own Honours courses must be built. They should not meet with querulous criticism the development of the new type of secondary school, which is wholly right in desiring to have a real top. They should rather welcome the prospect of getting more mature and better prepared students; and it should be their aim to help to this end by training competent teachers. They should certainly refuse to recognize sixteen as the age for matriculation, which should be raised to eighteen. Then the Universities would cease doing all work of low standard and more worthily perform their proper function; and the evolution of the twentieth-century secondary school would proceed in a healthy way, without danger of arrested development.

SCHOLARSHIPS TO THE UNIVERSITY

By J. L. PATON.

WE have succeeded now. We have made the world safe for democracy. Our next task, which brooks no delay, is to make democracy safe for the world. Difficult times lie ahead. It took England twenty years to tide over the difficulties which were the aftermath of the Napoleonic wars. It will take us at least a generation. In industry, in commerce, in the professions, in the administration of national and Imperial affairs, we shall need men of knowledge and trained intelligence. No other national institutions have given so freely of their young manhood as our Universities. And no men will be so difficult to replace as these, for already before the War the proportion of University men to the general population in this country was—in spite of all recent developments—conspicuously smaller than in any other progressive country. A nation's educational system is said to be a reflection of itself, and John Bull's educational system was, like John Bull, somewhat undeveloped in the top story. Now the supply is still more inadequate. The need is vastly greater. In any forward-looking scheme the really "pivotal" persons will be the men and women of higher training. Therefore no boy or girl who has the ability to achieve this higher training can be spared in the rebuilding of our national life.

The secondary schools are seeking a larger outlet. They are filled to their utmost capacity—one might say beyond it. Every year they are shutting the door to thousands of boys and girls who are well qualified to enter and can pay the fees. But there has been no corresponding increase in the provision of University scholarships.

The Universities must be made more accessible. Not only pupils from secondary schools are seeking entrance. There are many soldiers, some of them disabled for manual work, there are many fresh home from the prisoners' camps (civilian and military alike) who have been using their period of enforced inaction to prepare for the University.

This demand must be met and, as the need is national, none but national action can meet it adequately. The supply of endowed scholarships is sporadic, and some Local Education Authorities do nothing to supplement it. What measures are to be taken?

1. This is not a case for individual competition. Any pupil who passes the Higher Certificate Examination should without further ado receive the offer of free education at a University or other institution of similar rank. If such pupil needs financial assistance, his needs should be met—this at the State expense.

2. The cost of residence at the University should be reduced. This means a simplification of life. If such simplification resulted in the disappearance of "the bloods" who give themselves to the cultivation of waistcoats and mental inertia, all the more vacancies for those who take their work seriously.

3. To prevent over-supply in any special profession, or the development of "an intellectual proletariat," the prospective needs of each profession, of industry and commerce, should be assessed, and the inflow of students into the various faculties regulated accordingly.

4. The Greek and Latin for which Cambridge and Oxford have stickled so long must go, and any British Matriculation Certificate be accepted by every British University, provided that the subjects in which the student has passed qualify him for entering on the studies of the particular faculty for which he seeks admission.

SCHOLARSHIPS FOR OVERSEA SAILORS AND SOLDIERS.

THE letter which appeared under the above heading in the *Times* of November 30, over the signatures of Lord Selborne, the President of the Board of Education, the First Lord of the Admiralty, the Secretary of State for War, and the Colonial Secretary, does not appear hitherto to have received the attention which it deserves at the hands of that increasing number among us who desire to think and act imperially. And yet the bond of union between the Old Country and the Dominions can in no sphere be more securely knit than in that of education.

This was the conviction which inspired the foundation of the Rhodes bequest—a bequest which, if it has not borne the fruits expected of it, has yet contributed not a little to a more sympathetic understanding between the young men of Great Britain and of the United States, to say nothing of the feeling of comradeship which it has engendered between the University of Oxford and the younger Colleges in Canada, Australia, New Zealand, and South Africa. The intrinsic weakness, however, of the Rhodes Trust has always been that it has not brought the Overseas Colleges and Universities into touch with the new Universities of Great Britain, such as Manchester, Birmingham, Sheffield, and Leeds. Close observers, indeed, have noticed that the *alumni* from Overseas have never quite imbibed the atmosphere of Oxford, or assimilated the spirit which animates the products of our public-school system in England. These students value the *camaraderie* and spirit of the public-school boy, but criticize the narrow range of his sympathy with the classes below and beyond him. Hence a certain aloofness of view on the part of the Rhodes Scholars has been observable.

The extension of a scholarship scheme, therefore, which embraces the new Universities in Great Britain is all to the good. Indeed, Lord Selborne, in one paragraph of his letter, seems to understate the value of this extension when he says; "Many—not only of the older but also of the newer—Universities in this country afford special opportunities for the pursuit of science, and of social, economic, and industrial studies." One would have thought that the "pursuit of science" and "industrial studies" particularly, had been achieved far more markedly and successfully at Manchester and Birmingham than in the cloisters of the ancient University. It is fair, however, to remember that Lord Selborne is an Oxford man.

The scheme is admirable in conception, though it is only at present in an inchoate state. The capital sum of £12,000, which has been raised during the last fifteen months, has apparently been, or is in the process of being, exhausted in the payment of scholarships varying in value from £150 to £250. Lord Selborne and his co-signatories now appeal for no less a sum than £50,000, which it is proposed to capitalize, only the income being applied to the payment of scholars.

If this be the meaning of the scheme it ought to receive generous and substantial support. A permanent inter-scholarship scheme is required if a real touch is to be maintained between the Old Country and the New. The idea itself is not entirely original. It was propounded about ten years ago by two or more of the more progressive head masters of our

public schools, but fell through on account of lack of support. It resulted, however, in an interchange of teachers between some of the English public schools and those in the Dominions, which had happy results in broadening the thoughts of the pupils under their charge. In the wider sphere of University life the introduction of young men from our Overseas Dominions who have served in the field and aspire to be learners in academic spheres can hardly fail to bring about results of imperial importance.

THE "FREE-PLACE" SYSTEM.

A COMMITTEE of the British Association has produced what is probably the most searching and impartial report on the "Free-place System" yet issued. Of the system itself it is pithily remarked: "Like many other illogical devices it has shown during its ten years' existence that it is workable and that it possesses a remarkable amount of vitality." Both schools and "officials" were called as witnesses, with the result that of the schools questioned 42 per cent. sent replies, while 65 per cent. of the administrators of 125 counties or county boroughs, to whom papers requesting information were sent, answered the questions, which dealt with ability, physique, corporate life, dinners, social status, tenure, &c.

Before turning to the report and its contents, we may, perhaps, express regret that the Committee has not touched on some points that seem to arise naturally out of the terms of reference. The actual effect of the free-place system upon secondary education does not appear to have been fully investigated, so long as we are without comments on: The standard of work in schools now admitting free-placers compared with their previous standard, on the reduction of the usual 25 per cent. in certain schools that draw large grants of public money in return for very little educational work, on the possible results that the new Act may have on the length of school life of free-placers.

The criterion of the advantages of the system, of course, is the subsequent character and ability of the free-placer in his after-school career.

Though the report should be studied as a whole, we can unfortunately only print the conclusions in full, and must content ourselves with glancing at the rest, which is divided into five parts.

Part I.—Introduction.

A history of the system, showing how Mr. McKenna started to democratize the schools by securing for the humblest in the land an opportunity of ranking among the aristocracy of intellect. The genesis of the system is declared to be the outcome of a struggle between two forces: the Board, that desired in the interests of education to increase school resources by raising fees, and certain Local Authorities, that strove to make education cheap, and accessible to any child that sought it, by charging fees of a shilling a week or less. The resultant of these forces is the free-place expedient. The qualification of a candidate, two years at a public elementary school, is described as a compromise, which as a real solution seems illogical and haphazard.

When this question comes up for discussion the writer always thinks of a Head of such a school, whom he knows, who told him he would not, and did not, ever send his children to an elementary school.

Part II.—Information derived from Heads of Schools (384 replies out of 910 circulars).

Proportion of Free-Placers reaching Matriculation Standard.—As these returns (says the Report) are very difficult to understand they are not included in the analysis—c.g. a large school in the Midlands, which is represented on the Head Masters' Conference and has obtained a large number of University scholarships, states that 13 per cent. of the free-placers reach matriculation standard, whilst a small mixed school in the

north of England gives the percentage as 80. This is only one of the many examples, and it would seem that either educational results vary inversely as the standing of the school, or that different Head Masters have different ideas as to what is meant by "matriculation standard." It is probable that the explanation is to be found in the following, which is typical of a large number received:—"A satisfactory proportion reach the standard of the Junior Oxford and Cambridge Local Examinations; a few reach matriculation standard, but the majority leave at too early an age to do so."

Generally speaking, the standard of free-placers seem to be satisfactory. Complaints are registered that the competitive examination fails to discover the best candidates. (It is not every Authority that tests its candidates as admirably as Kent does.)

Part III.—Information derived from Officials

(81 replies out of 125 circulars).

The most interesting statement in this portion of the evidence is that only about 35 per cent. of those who answered the question considered the ability of free-placers to be above that of the fee payers. (The comparative standard will naturally vary from school to school. Where fee payers come from more "educated" homes than the free-placers, it is found that the lack of everyday information of the latter puts them at a disadvantage, which only rare ability compensates.) The tendency of elementary-school teachers to keep back promising pupils from competing for scholarships is reported, happily, to be decreasing.

Part IV.—Numerical analysis of Opinions received from the Schools affected.

One cannot help thinking that some day such a table will bear a different complexion, when only "scholars who are qualified to profit by the instruction given in schools" are admitted to them, and not a fixed number each year, whatever the standard of the fixed number may be.

Percentage of Schools not satisfied with the System.

Schools with more than 40 per cent. of free-place holders, 30 per cent.; between 20 and 40 per cent., 45 per cent.; less than 20 per cent., 54 per cent. Schools with more than 40 per cent. of ex-public elementary pupils, 42 per cent.; between 20 and 40 per cent., 66 per cent.; less than 20 per cent., 58 per cent.

Conclusions and Recommendations.

1. The replies received to the questions asked from the various authorities prove that the system is, as a whole, acting well in schools in which more than 50 per cent. of the pupils are drawn from the elementary schools; the difficulties met are almost entirely confined to schools with a smaller percentage of ex-elementary school children. There is, however, but little doubt that some of the children now holding free places would derive greater educational benefit from a course at a higher elementary, junior technical, or trade school.

2. Free places should not be awarded to children entering the secondary schools over twelve years of age; otherwise the work of such schools suffers.

3. A good midday meal is essential for those who have to attend school at some distance from their homes; but the average charge for this is more than the parents of many free-place holders can afford to pay. It should be the duty of the school or the Local Authority to see that no scholar's education is impaired from this cause.

4. To make the free-place system fully efficient it is necessary that in many cases maintenance grants should be given for the years of school life above the age of compulsory attendance at a full-time day school. This grant should be of about the value of the average wage of the children of the same age in the district; should be made by the Local Education Authority, acting on the advice of the school authorities; and this advice should be given only after careful inquiry into the needs of each individual case. If such grants are made, it is believed that the present temptation to parents to remove promising pupils from secondary schools before they have been able to derive full benefit from them will be removed.

5. The strength and efficiency of the free-place system is dependent for its success on the provision of greater facilities for the

support of secondary-school children of exceptional ability at the Universities and higher technical schools. This can be met only by the provision of a larger number of scholarships from secondary schools, and these of greater value than is at present the case.

Unless supplemented by large school scholarships, it is, for example, nothing but a mockery to offer a scholarship of £40 or £50 a year tenable at Oxford or Cambridge to a candidate whose home circumstances do not permit of a very substantial addition thereto being made.

6. It should be possible to remove from the free-place list the names of pupils who are reported for habitual laziness; such removal to be made by the governing body of the school acting upon the report of the head master.

7. The award of a free place should not be based exclusively upon the results of a written examination, but in conjunction with an oral examination conducted by the head of the secondary school with the aid of one or more persons appointed by the Local Education Authority from the contributory schools.

8. The free-place system should be available for all classes of the community. Those parents who have made an effort to forward their children's education by paying fees for them whilst young should not be prevented, as at present, from gaining the benefit of a free secondary education. The difficulty may probably be best met by ruling that all candidates must have been educated for two years in a school inspected by the Board of Education and classed by that Board as efficient.

TOPICS AND EVENTS.

GEOGRAPHICAL ASSOCIATION.—The annual meeting of the Geographical Association will be held on January 3 and 4. On the first day at 3 p.m., at the Royal Geographical Society's House, Kensington Gore, S.W.7, Mr. Hinks will give an address on War Maps. The presidential address will be given at the London Day Training College at noon on the second day by Prof. Grenville Cole on "The Narrow Seas and the Arctic Route to Muscovy." At 3 p.m. Mr. Barker will speak on "The Historical Geography of West Africa," and at 5 p.m. a discussion will take place on "When and how often should we teach the Geography of the British Isles to our Pupils?" led by Miss D. D. Adam and Mr. C. B. Fawcett.

MODERN LANGUAGE ASSOCIATION.—The annual general meeting of the Modern Language Association will be held at University College, Gower Street, W.C.1, on January 8 and 9. The presidential address will be held at noon on the first day by the Earl of Lytton. At 2 p.m. a discussion on "Advanced Work in Modern Studies" will be opened by Mr. H. Nicholson. At 5 p.m. Mr. E. Bullough will read a paper on "Educational Co-operation between the Allies," and afterwards Dr. Emilio Re will speak on the teaching of English in Italy. On the second day resolutions will be adopted on the report of the Government Committee.

COUNCIL OF HUMANISTIC STUDIES.—A joint meeting of the members of the five associations represented on the Council of the Humanistic Studies (Classical, English, Geographical, Historical, and Modern Language Associations) will be held on Thursday, January 9, at 5.30 p.m., in the Theatre, Burlington Gardens, W.1, when Sir Frederic Kenyon, K.C.B., will deliver an address on "Co-operation in Educational Progress." The chair will be taken by the Right Hon. H. A. L. Fisher.

HISTORICAL ASSOCIATION.—The annual general meeting will be held at University College, Gower Street, W.C.1, on January 10 and 11. After the business meeting at 3 p.m. on the first day, Dr. R. M. Burrows will, at 5.30, deliver the annual address, taking as his subject "The Revival of Greece." On the second day, beginning at 10.30 a.m., papers will be read by Mr. J. W. Headlam-Morley on "How to set an Examination Paper in History," and by Prof. C. H. Firth on "How to Mitigate the Evil of Examinations."

SCHOLARSHIPS FOR DISCHARGED SOLDIERS AND SAILORS.—The London County Council are prepared to give sympathetic consideration to applications for financial assistance for further education from men demobilized or discharged from H. M. Forces, who are ordinarily resident in the administrative county of London (whether disabled or not). They direct special attention to the possibility of

(Continued on page 22.)

PATON'S LIST of SCHOOLS and TUTORS

An Aid to Parents in the Selection of Schools.

22nd ANNUAL EDITION NOW PREPARING.

EVERY YEAR THOUSANDS OF PARENTS
:: :: CONSULT THIS BOOK. :: ::

"I am sending you the order for the twenty-first annual issue of your great book; and may the second period on which it has entered be of as much use and help in the educational world as the first."

"Please insert my pages as usual. I believe I get more pupils from that than from any other source."

"I enclose a request to have my notice renewed. I would not for anything leave it off now."

"You will possibly be glad to hear that a lady named _____ is sending her boy to me. In this case, she tells me, the name of the school was obtained from your List, and so, I believe, no further commission is due from me."

"When I first came here I spent over £50 in six months' advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of 'venturing' on another boarding house."

"I find it most useful to my patients when seeking information about sending their boys and girls away, and have kept a copy in my waiting-room for some years."

"Two years ago you sent me a pupil named _____. Through her parents I have had **four** good pupils this year from four different places, and through two of these

I have **five** more coming this term: that is ten pupils from paying **one** commission."

"I have much pleasure in renewing the advertisement in your excellent Guide, and should like to take the opportunity to express to you my best thanks for the invaluable help of your Agency."

"I enclose order form, duly signed. . . . I am more than grateful for the excellent service your Agency does my school."

"I am returning the advertisement at once with a little addition. . . . We have this term **four** pupils introduced by you, and I am much obliged to you for your help. It makes all the difference in these difficult days whether one has a full school or not."

**Specimen Copy and full particulars sent free of charge to
Head Masters and Head Mistresses.**

J. & J. PATON, Educational Agents,

143 CANNON STREET, LONDON, E.C.4. Telephone: Central 5053.

training to become teachers. Scholarships are to be awarded to suitable men demobilized or discharged from H.M. Forces who make application therefor. As regards students desiring to enter training colleges for teachers, the amount of grant will be such as will bring the applicant's income from scholarships to £104 a year, plus tuition and examination fees (if any); and as regards other students, the grant will be assessed according to the circumstances of each case, provided that no candidate shall receive from all sources more than £175 a year with tuition fees. Shorter courses of training for the teaching profession will be held for men demobilized or discharged from H.M. Forces, and details of such courses will be published at a later date.

SCHOOLMASTERS IN THE NAVY.—The Admiralty have drawn up a new scheme to govern the conditions of service of naval schoolmasters. Under it schoolmasters will enter with the relative rank of acting warrant officer, and may attain the relative rank of lieutenant-commander. It has been decided that the schoolmaster branch shall hold actual rank among themselves only, and that, as between themselves and other branches, they shall hold relative rank only. The titles given to the various ranks are therefore scholastic titles. The schoolmaster branch will, however, wear the uniform of officers of their respective relative ranks, with the distinctive cloth of light blue laid down for the instructor branch. The scheme affords an advance both in pay and status over that in force at the beginning of the War. Provision is made in the scheme for the transfer to the new system of existing schoolmasters who entered for continuous service before August 1914. Schoolmasters will be entered either direct from the shore or by transfer from other ratings. On entry they will be styled schoolmaster candidates and will hold the relative rank of acting warrant officer. After a further six months' service they will receive the rank of schoolmaster, seniority dating from the date of promotion to probationary schoolmaster. Schoolmasters serving in the capacity of assistant master will have the relative rank of warrant officer until the completion of twenty years' service in the grade. Schoolmasters will receive the relative rank of commissioned warrant officer after twenty years' service. Specially recommended and qualified schoolmasters who satisfactorily complete an advanced course of instruction will be eligible for specialist appointments carrying additional remuneration. Senior masters of not less than three years' service

as such will be eligible for promotion to the rank of head master. During the first eight years these officers will have the relative rank of lieutenant, after that the relative rank of lieutenant-commander. The numbers of senior masters and head masters will not exceed 25 per cent. and 8 per cent. respectively of the total number of active service officers of the schoolmaster branch. Full particulars of the scheme can be obtained from the Secretary of the Admiralty.

MUNITION WORK IN LONDON EDUCATIONAL INSTITUTIONS.—The London County Council Education Committee recently considered a report submitted in regard to the work done in London educational institutions during the past three and a-half years in the manufacture of munitions and training of munition workers. In June 1915 the Council agreed to place its resources at the disposal of the Ministry of Munitions and the Metropolitan Munitions Committee. Two lines of action were adopted: (1) the manufacture of such essential munitions as could be made with the staff and machines available in technical institutions, and (2) the training of workers for munition factories. The main efforts of the organization have been directed to the manufacture of precision gauges. About 83,000 gauges have been delivered and passed by the National Physical Laboratory. More than 12,000 students have been in training, of whom about 9,000 have completed their courses satisfactorily and been placed in employment. The staff engaged on this work on December 1, 1918, numbered in all 482 persons, 44 of whom belonged to technical institutions, 193 had been transferred from their normal posts in various kinds of schools, and 245 were temporary employes. Machinery and equipment to the amount of about £17,000 have been purchased for manufacture, and remain the property of the Council. Certain funds will be available for the reconstitution and equipment of workshops in technical institutions from the manufacturing side. Suggestions have been invited from the various principals and heads of departments who have been engaged on munitions work with a view to utilizing to the best advantage the experience gained during the past three and a-half years. The total value of the work carried out for the manufacture of munitions and the training of munition workers has been of the order of £300,000. The thanks of the Committee have been conveyed to those members of the Council's staff who have been en-

(Continued on page 24.)

JAMES GRAY LTD.

HEATING ENGINEERS,
DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone :
Westr. 201.

Telegrams :
201 Westr. London.

LONDON UNIVERSITY B.A. and B.Sc., 1918.

At the B.A. and B.Sc. Examinations, 1918,

University
Correspondence College Students

formed more than

ONE-THIRD

OF THE SUCCESSFUL CANDIDATES,

and obtained

11 of the 24

PLACES IN

MODERN LANGUAGES HONOURS.

A Short Guide to London University, giving Full Particulars of Courses and Fees, post free to Private Students from—

THE SECRETARY,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

A SELECTION FROM METHUEN'S EDUCATIONAL LIST

Announcement List and Catalogues sent on application

THE PLAY-WORK BOOK. By ANN MACBETH, author of "Needlecraft." With 114 Illustrations. 2nd Edition. Crown 8vo. 3s. 6d. net.

THE BEGINNER'S BOOKS. Edited by Canon WILLIAMSON, B.A. Fcap. 8vo. Prices 1s. 6d., 1s. 9d., and 2s. 3d. per volume. Easy French Rhymes. Easy Stories from English History. Stories from Roman History. Stories from the Old Testament. Stories from the New Testament. First Course in English. First History of Greece. Easy Exercises in Arithmetic. Easy Dictation and Spelling. Easy Poetry Book.

JUNIOR EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Fcap. 8vo. 1s. 6d. each volume. Keys, 5s. net each. Scripture (Old and New Testament). French. English. Arithmetic. Algebra. Greek. Latin and Key. General Information and Key. Geography. German. History.

JUNIOR SCHOOL BOOKS. Edited by O. D. INSKIP, LL.D., and Canon WILLIAMSON, B.A. Crown 8vo. Prices 2s. 3d., 3s., 3s. 6d., and 4s. per volume. Dictation Passages. Kings. St. Matthew. St. Mark. St. Luke. Apostles. English Grammar. Greek History. Latin Prose. German Grammar. Science. Physics. Chemistry. French Grammar. French Prose. Geometry. Latin Grammar. English Literature.

BY EDMUND SELOUS

TOMMY SMITH'S ANIMALS. 15th Edition.

TOMMY SMITH'S OTHER ANIMALS. 7th Edition.

TOMMY SMITH AT THE ZOO. 2nd Edition. Each Fcap. 8vo. 2s. 9d. each.

LANGUAGE AND LITERATURE

HIGHER ENGLISH. By F. J. RAHTZ, M.A., B.Sc. Author of "Junior English." 12th Edition. Crown 8vo. 6s.

A CLASS-BOOK OF DICTATION PASSAGES. Selected by Canon WILLIAMSON, B.A. 21st Edition. Crown 8vo. 2s. 3d. [Junior School Books.]

ENGLISH LITERATURE. By F. J. RAHTZ, M.A., B.Sc., 3rd. Edition. Crown 8vo. 3s. 6d.

FIRST FRENCH LESSONS. By A. M. M. STEDMAN, M.A. 13th Edition. Crown 8vo. 1s. 6d.

A SCHOOL LATIN GRAMMAR. By H. G. FORD, M.A. 4th Edition. Revised. Crown 8vo. 4s. [Junior School Books.]

INITIA LATINA. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 16th Edition. Fcap. 8vo. 1s. 6d.

HISTORY

A HISTORY OF ENGLAND. In Seven Volumes. Edited by CHARLES OMAN, M.A. With Maps. Demy 8vo. 12s. 6d. net each volume. England before the Norman Conquest: under the Normans and Angevins: in the Later Middle Ages: under the Tudors: under the Stuarts: under the Hanoverians: since Waterloo.

A SHORT HISTORY OF ROME TO THE DEATH OF AUGUSTUS. By J. WELLS, M.A. With 3 Maps and 4 Plates. 16th Edition. Crown 8vo. 6s.

A JUNIOR HISTORY OF GREAT BRITAIN. By E. M. WILMOT-BUXTON, F.R.Hist.S. 4th Edition. Crown 8vo. 3s. 6d.

THE INDUSTRIAL HISTORY OF ENGLAND. By H. DE B. GIBBINS, Litt.D., M.A. With Maps and Plans. 23rd Edition. Crown 8vo. 5s.

THE RE-MAKING OF MODERN EUROPE: from 1789 to 1878. By J. A. R. MARRIOTT, M.A. With 10 Maps. 10th Edition. Crown 8vo. 6s.

MAKERS OF EUROPE. Outlines of European History for Middle Forms. By E. M. WILMOT-BUXTON, F.R.Hist.S. With 12 Maps. 16th Edition. Crown 8vo. 5s.

MATHEMATICS

EASY EXERCISES IN ARITHMETIC. Containing 5,000 examples. By W. S. BEARD. 10th Edition. Fcap. 8vo. Without Answers, 1s. 9d. Answers, 1s. net. [Beginner's Books.]

A NEW JUNIOR ARITHMETIC. By H. BOMPAS SMITH, M.A., Head Master of King Edward VII School, Lytham. Fourth Edition. Crown 8vo. With Answers, 4s. Without Answers, 3s.

CHEMISTRY

THE COMPLETE SCHOOL CHEMISTRY. By F. M. OLDHAM, M.A. With 125 Illustrations. 12th Edition. Crown 8vo. 7s. 6d.

EXAMPLES IN PHYSICS. By C. E. JACKSON, M.A. 4th Edition. Crown 8vo. 5s.

ELEMENTARY CHEMICAL THEORY. By J. M. WADMORE, M.A., Senior Science Master at Aldenham School. With Diagrams. Crown 8vo. 5s.

A TEXT-BOOK OF INORGANIC CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College. Author of "Outlines of Physical Chemistry." With many Diagrams. 3rd Edition. Crown 8vo. 8s. 6d.

OUTLINES OF PHYSICAL CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College. With many Diagrams. 6th Edition. Crown 8vo. 7s. 6d.

PHYSICO-CHEMICAL CALCULATIONS. By JOSEPH KNOX, D.Sc., Lecturer on Inorganic Chemistry, Aberdeen University 2nd Edition. Crown 8vo. 4s. 6d.

TECHNOLOGY

CARPENTRY AND JOINERY. By F. C. WEBBER, Chief Lecturer to the Building Trades Department of the Merchant Venturers' Technical College at Bristol. With 176 Illustrations. 6th Edition. Crown 8vo. 6s.

ELECTRIC LIGHT AND POWER. By E. E. BROOKS, B.Sc. (Lond.), Head of the Department of Physics and Electrical Engineering, Leicester Municipal Technical School, and W. H. N. JAMES, A.R.C.S., A.M.I.E.E., Lecturer in Electrical Engineering, Municipal School of Technology, Manchester. With 17 Plates and 230 Illustrations. 5th and Revised Edition. Crown 8vo. 6s. 6d.

ENGINEERING WORKSHOP PRACTICE. By CHARLES C. ALLEN, Head of the Department of Engineering, Technical Institute, Auckland. With 152 Illustrations. 4th Edition. Crown 8vo. 5s.

AN INTRODUCTION TO THE STUDY OF TEXTILE DESIGN. By ALDRED F. BARKER, Head of the Textile Department, Bradford Technical College. With numerous Illustrations and Diagrams. 2nd Edition. Demy 8vo. 8s. 6d.

SCHOOL EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Crown 8vo. 3s. and 3s. 6d. per volume; Keys, 3s. 6d., 5s., 6s., and 7s. 6d., all net. French, Latin, Greek, German, General Knowledge, Trigonometry, Arithmetic, Logarithms, Mensuration and Book-keeping Examination Papers with Keys. History and Geography. Physics. English History.

METHUEN & CO., LTD., 36 Essex Street, London, W.C.2

gaged during the War on work in connexion with munitions and the training of munition workers.

CAMBRIDGE LOCAL EXAMINATIONS.—The December Cambridge Local Examinations were held at 213 centres in the United Kingdom and the Colonies. There were 12,757 candidates, of whom 146 were entered for the Higher, 4,026 for the Senior, 5,271 for the Junior, and 3,314 for the Preliminary Examination. Of the Colonial Centres, 29 were in India, 6 in Ceylon, 5 in the Straits Settlements and Malay States, 8 in South and West Africa, 13 in the West Indies. There were also Centres at Belize, Bermuda, Buenos Aires, Mauritius, Monte Video, Shanghai, and Tientsin. The regulations for the examinations to be held in July and December 1919, and the set subjects for July and December 1920, may be obtained from Mr. J. H. Flather, Syndicate Buildings, Cambridge; also regulations for the new Higher School Certificate Examination to be held in July 1919 and 1920.

MODERN LANGUAGE ASSOCIATION: WEST LONDON BRANCH.—Now that the dangers of air raids and darkened streets have passed, we may expect a great revival of meetings of educational associations, which have been far less numerous during the War. The West London Branch of the Modern Language Association recommenced its activities on December 6, when a large body of members listened to a vivacious *causerie* by M. Henry D. Davray on "La France pendant la Guerre—et après." The lecturer, who is known as one of the leading spirits of the Anglo-French Society, made an earnest appeal for the permanence of the alliance between the two countries, and showed by many examples how complementary the two nations were. He warned England not to allow herself to be duped by the Prussians as she was after the Treaty of Vienna in 1815. By that treaty English lighters were to be allowed free access to the Rhine, so that coal might be brought from Newcastle straight to the ironfields of Lorraine. But, when the English merchantmen arrived off Rotterdam, the Dutch authorities had been got at by the Prussians, and said: "Oh! but this is not the mouth of the Rhine—this is the Maas. The Rhine flows into the Zuyder Zee." And, technically, they were right, for the tiny offshoot that flows north is known as the Old Rhine; but they knew that only a row-boat could float in it.

THE DECIMAL ASSOCIATION.—The report for the past year singles out, as the "event of the year," the introduction of the Decimal Coinage Bill into the House of Lords on April 24, 1918. The growth of public interest is attested by the fact that the membership of the Association has doubled since 1916. Many lectures have been delivered throughout the country, and in many cases resolutions have been passed in favour of decimal coinage and the metric system. Representations have been made to Education Authorities urging greater simplicity in the teaching of the metric system in schools. Some forty public bodies have adopted resolutions advocating decimal coinage or the metric system, or both, including the British Engineers' Association, the British Medical Association, many Chambers, the Council of the Society of Architects, the Federation of British Industries, the Institution of Electrical Engineers, the Institution of Post Office Electrical Engineers, and the Municipal Tramways Association. The Committee on the Position of Natural Science in the Educational System of Great Britain reported strongly in favour of the metric system, and members of the Chartered Institute of Secretaries voted 85 per cent. in favour of decimal coinage and the metric system. The Committee on Commercial and Industrial Policy, on the other hand, declared against both reforms. The Association has moved to new premises at 212-13 Finsbury Pavement House, Finsbury Pavement, E.C.2.

THE OPEN-AIR EDUCATION TRUST.—As we have announced already, the Uplands Association is at work on the establishment of an Open-air Education Trust. A farm of seventy acres has been secured on the southern slope of Werneth Low, at an elevation of 800 ft., amid beautiful scenery. The Uplands Summer Meeting in August last was spent at the farm. During the meeting the subscribers to the fund which made the purchase of the property possible considered the organization of the Trust, and a Committee was appointed with authority to establish the work on a permanent footing and to raise the necessary funds. An outline for Memorandum and Articles has been adopted, and the Trustees now invite further support for their scheme, and request that all inquiries and applications for forms of subscription be sent to the Hon. Financial Secretary, Mr. William Elliott, 33 Oak Road, Crumpsall, Manchester.

Just Published.

A FIRST HISTORY OF ENGLAND.

By M. W. KEATINGE, M.A., D.Sc.,

Reader in Education in the University of Oxford.

PRICE **3/6** IN ONE VOL.

Also to be had in Two Volumes supplied separately, price 2s. each.

CONTAINING 130 ILLUSTRATIONS.

PRESS NOTICES.

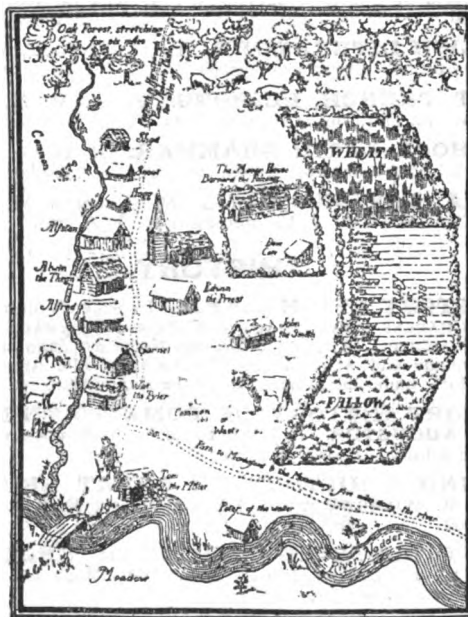
Scottish Educational Journal—"Dr. Keatinge has done his work admirably. The result is the appearance of a book that we cannot commend too highly for children from nine to twelve. Dr. Keatinge is one of those who think that History, if it is to be of real value to the child, should deal mainly with the lives of the people. In other words, History for children is, or should be, a revelation of a continuity of life throughout the generations."

The Times—"The pictures make the narrative really living, and the children between the ages of nine and twelve who use the book are to be envied such an introduction to the record of their native land."

A. & C. BLACK, LTD., 4, 5 & 6 SOHO SQ., LONDON, W.1.

VILLEINS AND SERFS

21



20. PLAN OF THE MANOR OF OAKWOOD.

Home-made bread and beer, milk, cheese and onions are their usual food. Meat they have but rarely. Bernard will have fresh meat in the summer, and pigeons from the dovecote when he wants them; but even the rich have only salted meat in the winter, and that often makes them ill. With so few things to eat, fish from the river is welcome, and

Specimen page reduced to half scale.

CLOUGH'S CORRESPONDENCE COLLEGE.

For Best Correspondence Tuition.

A NEW YEAR WISH.

To you who have some treasured happiness—
May it continue thro' the coming hours,
Increasing as the winged weeks go by,
And deep'ning with the advent of the flowers.

To you who sorrow for the dear days gone—
May the New Year a veil of beauty bring
To wrap a rosy memory o'er your grief,
So that in sadness your sad hearts may sing.

But whether you be sorrowing or gay,
May bright-eyed Hope "God-speed you" on your way.

Dorothy Una Ratcliffe
(Author of "The Dales of Arcady").

PREL. CERTIFICATE.
CERTIFICATE.
P.T. ADMISSION EXAMS.
OXFORD LOCALS (Junior & Senior).

CAMBRIDGE LOCALS
(Junior & Senior).
MATRICULATION.
A.C.P., L.C.P., L.L.A.
HIGHER FROEBEL.

Full particulars of any of the above Classes sent at once on application to the SECRETARY—

CLOUGH'S CORRESPONDENCE COLLEGE,
TEMPLE CHAMBERS, LONDON, E.C.4.

PRIMARY SCHOOL NOTES.

A Wonderful Year.

THE world clash of arms which ceased with the advent of the season of Goodwill and Peace in 1918 has been followed by wonderful developments in English education, and the past year will always be regarded as a notable milestone in our educational history. In the first place, notwithstanding its admitted shortcomings on the technical side and the notorious lack of facilities for secondary education, the English school system has emerged with complete success from the fiery trial of a war unprecedented for intensity in the records of the world. It is possible that the spiritual values given to our sailors and soldiers by the emphasis laid upon character-training in English primary schools will be more fully realized when the physical evidences of conflict, softened by the lapse of time, fall into the framework of a clear historical perspective. The teachers of England have taken an outstanding part in the glorious triumph of the spiritual over the material ideal. Alike, the glorious dead who have fallen in the physical conflict, and the generations of teachers whose ashes rest in the peaceful churchyards of the homeland, have given their lives for the great end. That English teachers have successfully carried on the work of education during the past four and a half years is largely due to the intense conviction that it is essentially spiritual work. To this recognition of essential values may be attributed the high degree of fellowship among all grades of teachers which now exists. In the second place, the passage of the Education Act has prepared the way for a great revival in school activities and one which cannot fail to exert a vital influence upon commercial, industrial, and professional life. The Teachers' Superannuation Act, a necessary corollary of the Education Act, marks a further step in the educational progress of the year. On the administrative side, the appointment of Mr. H. A. L. Fisher as President of the Board has proved successful beyond all anticipations, and it has given grounds for the hope that other Departmental appointments will, in due course, be given to men and women who have had practical experience of schools and scholars.

The Supply of Teachers.

THE speeding up of the demobilization process promises to bring back to the schools a fair number of service teachers at an early date. On the other hand, unless Education Authorities take prompt measures to retain war-time teachers, there is every prospect that these will retire from the teaching profession as the soldiers return. In consequence, it is quite possible that the demobilization will not sensibly relieve the grave shortage of teachers. In the circumstances, therefore, it would probably prove a wise course to continue the engagements of all existing teachers, temporarily, at all events. Teachers in all grades of education have been working under very strenuous conditions throughout the war period. Classes of sixty, seventy, and eighty children under the charge of a single teacher have by no means been confined to primary schools, so that a halving of classes would prove a sound educational investment. Incidentally such an arrangement would enable returned soldiers to resume scholastic duties under favourable conditions, and any surplus staff would be readily absorbed by the reorganization of school classes which will become necessary under the terms of the new Education Act.

* * * * *

A National Scale of Salaries.

NOTWITHSTANDING the passage of the Superannuation Act, the immediate prospects of a successful introduction of the vital clauses of the new Education Act are not hopeful. The decisive factor in the situation is the question of salaries. So long as Local Authorities persist in remunerating teachers at rates which do not allow them to obtain the necessities of life, it will be impossible to secure a sufficient number of entrants to supply even the existing demands of the schools. There is a growing conviction that the position can only be saved by prompt and decisive action on the part of the Board of Education. It is quite clear that the supplementary grant has not been used for its intended purpose by several education authorities, and the Departmental Report on Teachers' Salaries has also failed to attain the desired end, inasmuch as its conclusions have not been adopted generally. The publication of illustrative scales has proved the entire undoing of the Departmental Committee's work,

(Continued on page 28.)

SCHOTT & CO.'S RECENT POPULAR Pianoforte Albums.

	NET		NET
ANGELELLI, C.		MOSKOWSKI, M.	
J. S. Bach's 8 Short Pieces transcribed	2 6	Albums, Op. 77. 3 Books	each 2 6
BOWEN, YORK.		NEVIN, ETHELBERT.	
Silhouettes: 7 Pieces, Op. 2, 2/6; 4 Pieces	Op. 3 2 6	1st Album of 9 Pieces; 2nd Album of 8 Pieces	each 3 0
BURTON, FRANCIS.		Maggio in Toscana	Op. 21 3 0
Our Village. Suite of 5 Pieces	2 6	Water Scenes. 5 Illustrations	Op. 13 3 0
BUSH, WALTER.		Sketch Book.	Op. 2 3 0
From Dawn to Dusk. 5 Miniatures	2 6	NEWARK, G.	
A Bowl of Fragrance. 5 Pieces	2 6	In Sunshine and Shadow. 5 Pieces	2 6
FREDERICKS, JOSEPH.		Roses and Pearls. 5 more Contrasts	2 6
In My Garden. Vol. I and II	each 2 6	OEHME, R.	
Birthday Present. Vol. I and II	each 2 6	Ce que disent les Fleurs. Vol. I and II	each 2 6
Moods. 12 Easy Pieces. Vol. I and II	each 2 0	3 Humoresques	2 6
Days of Birth. 7 Pieces.	2 6	POLDINI, E.	
The Children's Hour. 10 Short Pieces. In 2 Books, each	2 6	An Old World Garden. 6 Pieces	Op. 65 2 6
FRIML, R.		SCOTT, CYRIL.	
Trianon. Suite française	Op. 86 2 6	Impressions from "The Jungle Book" (Kipling)	3 6
HUYTS, H.		Poems. 5 Pieces	2 6
Village Scenes. 6 Tuneful Pieces	2 6	Egypt. 5 Pieces	2 6
IMBODEN, WALTER.		Miniatures. 3 Pieces	2 6
Sous Bois. 3 Pieces	3 6	WAGNER, R.	
JOHNSON, BERNARD.		Piano Album, 3/6; The same in cloth	5 0
A Deserted Waterway. 5 Pieces	2 6	Easy Piano Album. 10 Pieces from Operas. Vol. I	2 0
KEYSER, ALFRED DE.		The same. Vol. II	2 0
Christmas Eve. 8 Short Pieces	2 6	7 Overtures. Vol. III	2 6
LOHR, HARVEY.		WILM, N. YON.	
When We Were Children. 12 Pieces	Op. 20 2 6	6 Characteristic Pieces	Op. 249 2 6
		4 Pieces (Musical Garlands)	Op. 251 1 6
		Album for My Young Friends	2 0

SCHOTT & CO., 48 Great Marlborough Street, LONDON, W.1
(Members of the Performing Right Society).

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

SYNOPSIS of Ling's System of Physical Training.

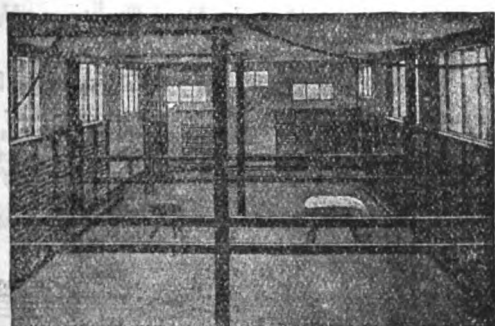
OLD GYMNASIA Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

PHOTOS Several Recent Secondary School and Welfare Outfits.

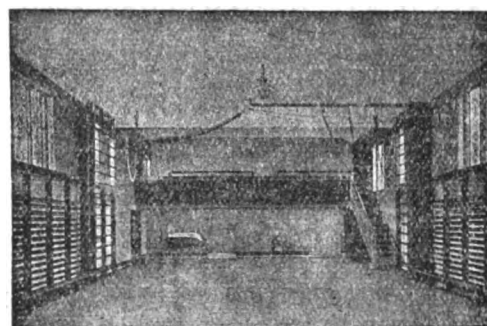
**SCHOOL CLINICAL
APPARATUS** Plinths, Correction Belts, Head Suspension
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacet Barb," London.

T. Nos., Central 621 and 12080.

since many of the laggard education authorities have seized upon the lowest of these scales, while exploiting their own sincerity in adopting correct principles. It is now generally conceded that the laying down of minimum rates by the Board was not conducive to professional recruitment, and teachers of long experience consider that there is no prospect of attracting men to the profession unless the minimum salary for a fully trained certificated teacher is raised to £150 per annum. It is unlikely that there will be many non-graduate teachers in the future, so that this amount is quite modest; by comparison with the ordinary rates paid to competent tradesmen of similar age, it is well below the standard.

* * * * *

Combinations of Education Authorities.

A FURTHER reason for definite action by the Board in reference to the salary question lies in the combinations of Local Education Authorities for the purpose of arranging uniform scales of salaries for teachers, and it is precisely in the areas covered by such combinations that the prevailing discontent among teachers is most intense. Three points emerge from the formation of these combinations which will require very careful consideration from the Government; on one hand, while supplementary grants are being dispensed by the Board of Education which, in addition, is about to bear 60 per cent. of the cost of teachers' salaries, the uniform scales of salary referred to are apparently being arranged without reference either to the Board of Education or to the teachers concerned. Secondly, the scales are being drawn up by representatives of the Authorities, which representatives are constituting themselves as standing committees of a permanent character for the purpose of controlling teachers' salaries. As a result, all questions bearing upon teachers' salaries are being referred by individual authorities to the standing sub-committee, which requires all members of the combine to act in unison upon the particular points raised. In other words, these Education Committees are, in effect, transferring the direct financial responsibility which they have received from the rate-payers to an outside body, which has, at the best, a very slender *locus standi*. Friction of a pronounced type is certain to arise between Local Education Authorities and their teachers when points concerning their particular conditions of service are referred to a Committee which has no defined authority, and the decisions of which the constituent bodies are in no wise bound

to respect. Thirdly, since Local Education Authorities cannot yet be fully aware of their total financial resources, they are likely to err considerably in drawing up new scales, and the most astounding variations are now being perpetrated in different areas on this account. Maximum salaries of teachers possessing identical qualifications vary to the extent of 50 per cent., or more, under different authorities.

* * * * *

National Union of Teachers.

A VERY hearty vote of thanks was moved at the last meeting of the Executive to the General Secretary, Sir James H. Yoxall, for his indefatigable efforts on behalf of the superannuation of teachers. The vote will be cordially supported by every member of the Union. The General Secretary began what was for him truly a labour of love almost thirty years ago, when he prepared a scheme of contributory pensions for teachers. Although he was the only member of the Executive to support it, he continued his mission with greater application as time progressed. Few realize the burden of responsibility borne by the General Secretary in connexion with the preparation and passage of the Superannuation Act, and it was gravely increased by the uncertain Parliamentary conditions which prevailed. There can be no doubt that the anxiety incurred during this trying period imposed a considerable strain upon its sponsor's health, and it will be the earnest hope of teachers everywhere that the attainment of this great ideal will carry with it renewed health and many long and happy years. The Executive decided at the same meeting to establish a fund to augment the pensions and allowances of codal pensioners and members of the Union who retired under the Teachers' Superannuation Act of 1898 prior to 1912. Whether this generously conceived action will be supported by substantial results remains to be seen. There is undoubtedly a strong feeling that the Government is morally responsible for the care of these, its veteran servants, but in view of the prevailing poverty among teachers, it is difficult to realize that the heavy financial undertaking outlined in the terms of the resolution can be borne.

The passage of the Superannuation Act is probably responsible for the change of policy adopted by the Executive with regard to the admission of uncertificated teachers to the Union. A Special Committee has been appointed to report upon the conditions of membership for such teachers.

AUGENER'S EDITION CLASSICAL & MODERN MUSIC

Engraved and Printed in England

LARGEST CATALOGUE OF
EDUCATIONAL MUSIC
:: IN THE EMPIRE ::

AUGENER'S SCHOOL DEPT.,
18 Great Marlborough Street, London, W.1.

Kensington College,

34 Bishop's Road, Paddington, W.2

(Director:

Mr. JAMES MUNFORD, V.D., F.R.S.A., F.R.C.I.),

supplies a modern and comprehensive Training for
Private Secretaries, Correspondents, Accountants,
and Journalists. It confers Diplomas in Secretarial
Training. Actual experience in Secretarial work and
responsible office management is provided in the
College Offices. A choice of appointments is guaran-
teed every Graduate. The College is both Day and
Residential.

Blackboards cannot become Shiny

in use, if covered with.

**Proctor's "Defiance" (Trade Mark)
Slate Composition.**

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,

St. Anne's Institute, Island Street, Nottingham.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School).

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126.

CAREY'S "GRADUS AD PARNASSUM"

WITH THE ENGLISH MEANINGS

Revised, Corrected, and Augmented by a Member of the University of
Cambridge

Post 8vo, cloth, price 7s.

THE STATIONERS' COMPANY, Stationers' Hall, London, E.C.4.

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY

All University Graduates with highest honours selected primarily for their TEACHING ABILITIES

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C. 2,

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

DUSTLESS

and HYGIENIC ROOMS.

In SCHOOLS, LABORATORIES, &c.
USE The British Made and Owned

Odourless, or Powerful Germicidal

FLORIGENE

(A Regd. Name suggested by FLOOR-HYGIENE)

Very EARLY in the CHRISTMAS VACATION.
FOR BEST RESULTS.

"Florigene" has been continuously used for many years on Wood, Concrete, and Stone floors of every description, also on Linoleum and Cork Matting in Government and Municipal Buildings, and in all kinds of Schools, and other Institutions in the United Kingdom and Colonies.

"Florigene" costs little, is easily applied by unskilled, and saves time and labour.

It is IMPORTANT TO NOTE that

ONE APPLICATION of "Florigene" ALLAYS THE DUST and DIRT for 2 to 12 months, according to traffic, not only during each sweeping (without Sprinkling of any kind) but also throughout all the intervening periods — which is of greater hygienic importance.

These sanitary, labour-saving, and economic advantages are NOT attained by sweeping-powders or any other method.

Not sticky—the ordinary daily dry sweeping alone required—Scrubbing being optional.

"Florigene" is strongly recommended by Medical and other expert authorities.

Important EXTRACTS from a Joint Report on the Medical Inspection &c. of School Children by the School Medical Officer and School Doctor of a large County Borough:—"Cleansing of Schools—Dustless Preparations as a Floor Dressing.—Bacteriological experiments were carried out in four departments. . . .

The advantages are as follows:—

- (1) Economy of labour in cleaning the room.
- (2) Prevention of the rising of dust once deposited; hence a healthier atmosphere for breathing.

The above School Medical Officer and School Doctor inform us they refer to "Florigene" (which has been applied to the floors of the County Borough Boys' and Girls' Secondary and Elementary Schools for a considerable period) and that they favour its more general adoption, especially in rooms where drill is carried out.

Other well-known Medical Authorities have also reported favourably on the "Florigene" treatment of floors.

Numerous other Testimonials can be produced.

Send for particulars, Medical Reports, &c., to

"DUST-ALLAYER" CO.,
4 Vernon Place, Bloomsbury Square,
LONDON, W.C. 1.

Contractors to Admiralty, War Office,
India Office, H.M. Office of Works, L.C.C.,
and Colonial Governments, &c., &c.

University Tutorial Press.

CLASS BOOKS FOR SECONDARY SCHOOLS

Mathematics and Mechanics.

Algebra, Junior. By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. 3s. 6d. With Answers, 4s.

"Maintains the high standard of excellence we are accustomed to expect from so well known a source. The treatment of the graphic portion is particularly good."—*Journal of the Assistant Masters' Association*.

Algebra, School. By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. 7s.

"The author has brought the work into closer touch with intelligible calculations, and, at the same time, gives a clear account of the elements of algebraic theory."—*Schoolmaster*.

Algebra, School (Matriculation Edition). By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. 5s. 6d.

"As a school text-book, this volume has much to recommend it, the examples and test-papers being carefully chosen."—*Mathematical Gazette*.

Arithmetic, Preliminary. By AUGUSTUS BARRACLOUGH, M.A., Second Master at Bournemouth School. 2s. With Answers, 2s. 3d.

"An excellent course of arithmetic."—*Journal of the Assistant Masters' Association*.

Arithmetic, The Junior. By R. H. CHOPE, B.A. With or without Answers. Third Edition. 3s. 6d.

"No better Arithmetic for school work has come into our hands."—*Educational News*.

Arithmetic, The School. By W. P. WORKMAN, M.A., B.Sc. With or without Answers. Second Edition. 4s. 6d.

"The best arithmetic for schools on the market."—*Mathematical Gazette*.

Arithmetic, The School (Senior Local Edition). By W. P. WORKMAN, M.A., B.Sc. This edition of the author's well-known *School Arithmetic* covers the Senior Local Syllabus, and is amplified by a large selection of miscellaneous examples arranged in Graduated Examination Papers. 4s.

"The book is of a very high order of merit, and provides a thorough course in Arithmetic."—*School World*.

Arithmetic, Rural. By A. G. RUSTON, B.A., B.Sc. 4s. 6d.

"This book supplies a real need. The presentation is clear . . . a sound piece of work."—*The Journal of Education*.

Book-Keeping, Practical Lessons in. By T. C. JACKSON, B.A., LL.B. Fourth Edition. 4s. 6d. Also in Two Parts. Part I. 2s. 9d. Part II. 2s. 9d.

"A well-arranged and well-explained treatise."—*Educational Times*.

Geometry, Preliminary. By F. ROSENBERG, M.A., B.Sc. With or without Answers. 2s. 9d.

A book for beginners containing a judicious blending of practical and theoretical work. Insists throughout on reasoning from first principles.

"The book is certainly one to be recommended."—*Preparatory Schools Review*.

Geometry, Junior. By A. G. CRACKNELL, M.A., B.Sc. 3s. 6d.

"A simple treatment of the elements of geometry. A feature of the book is the number of questions which require a numerical answer, incorrect and careless work being thereby easily checked."—*Schoolmaster*.

Geometry, The School. By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. 4s. 6d.

Also in Two Parts—Part I (Euclid I, III 1-34, IV 1-9). 2s. 9d. Part II (Euclid II, III 35-37, IV 10-16, and VI). 2s. 9d.

"Combines the theoretical and practical in a most interesting manner, and shows on every page the skill and care with which the material has been put together."—*School World*.

Graphs, Matriculation. By C. H. FRENCH, M.A., and GEORGE OSBORN, M.A. 1s. 6d.

"The explanations are remarkably clear."—*Secondary Education*.

Hydrostatics, Matriculation. By Dr. WM. BRIGGS and Professor G. H. BRYAN. Second Edition. 2s. 9d.

"An excellent text-book."—*The Journal of Education*.

Mechanics, Junior. By F. ROSENBERG, M.A., B.Sc. 3s. 6d.

"A practical book for this subject. It will be found exceedingly useful."—*Educational News*.

Mechanics, Matriculation. By Dr. WM. BRIGGS and Professor G. H. BRYAN. Third Edition. 4s. 6d.

"A good book—clear, concise, and accurate."—*The Journal of Education*.

Chemistry, Physics, Botany, &c.

Botany, Junior. By FRANCIS CAVERS, D.Sc. 3s. 6d.

"Dr. Cavers has achieved a useful little book."—*Journal of Botany*.
"A very excellent volume. Practical to a high degree. The diagrams are very good."—*Schoolmaster*.

Botany, Senior. By FRANCIS CAVERS, D.Sc. 5s. 6d.

"Admirably designed to portray the plant as a living entity, to indicate how structure is subservient to function, and to show what conditions and purpose underlie the manifold variations which plants assume."—*Nature*.

Chemistry, Preliminary. By H. W. BAUSOR, M.A. 2s.

"The experiments are simple in character, so as to be well within the capacity of a schoolboy, and the sequence is so arranged as to illustrate fundamental ideas in a clear and logical fashion."—*Nature*.

Chemistry, Junior. By R. H. ADIE, M.A., B.Sc. Second Edition. 3s. 6d.

"The results of fifteen years' experience of a thoughtful teacher are always valuable, and, as one might have anticipated, the book offers a thoroughly sound course of practical instruction."—*Nature*.

Chemistry, Senior. By G. H. BAILEY, D.Sc., Ph.D., and H. W. BAUSOR, M.A. Second Edition. 5s. 6d.

"The ground is well covered on experimental lines. There are questions to every chapter and a section on chemical calculations."—*Guardian*.

Chemistry, Senior Practical. By H. W. BAUSOR, M.A. 3s. 6d. Including preparations, experiments on action of heat, quantitative and qualitative analysis.

Chemical Calculations. By H. W. BAUSOR, M.A. 2s. 9d. Advanced Course. 1s. 6d.

"The calculations which are inseparable from Chemistry from its very beginnings are dealt with concisely, yet at sufficient length to make them clear to a young student."—*Knowledge*.

Heat, Junior. By JOHN SATTERLY, D.Sc., M.A. 2s. 9d.

"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal*.

Heat, Senior. By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. 4s.

"The information is accurate and up to date."—*The Journal of Education*.

Hygiene, First Stage. By R. A. LYSTER, M.D., B.Ch., B.Sc. Sixth Edition. Revised and Enlarged. 3s. 6d.

"A continuous and well-developed course of instruction in Hygiene. The facts are always reliable, the illustrations serviceable."—*Schoolmaster*.

Magnetism and Electricity, Junior. By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. 3s. 6d.

"This little book makes a special point of fundamental principles, and is especially adapted to the needs of pupils making a start in the subject."—*Educational Times*.

Magnetism and Electricity, The School. By R. H. JUDE, D.Sc., M.A. 4s. 6d.

"From first to last there is an originality of treatment which makes it interesting reading."—*Nature*.

Mechanics and Physics (Mechanics, Hydrostatics, and Heat), An Introductory Course of. By W. M. HOOTON, M.A., M.Sc., F.I.C., and ALFRED MATHIAS. 2s.

"This book is intended for technical students, but it will be found very useful for pupils in ordinary secondary schools."—*Secondary Education*.

Science, Junior Experimental (Physics and Chemistry) By W. H. HOOTON, M.A., M.Sc., F.I.C., Chemistry Master at Repton School. Second Edition. 3s. 6d.

"The explanations are clear, and we can recommend the work heartily."—*Secondary Education*.

Sound and Light, Junior. By JOHN SATTERLY, D.Sc., M.A. 3s. 6d.

"Reaches a high standard, with plenty of practical work."—*Guardian*.

Sound and Light, Senior. By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. 5s.

"The treatment is lucid and concise, and thoroughly in accordance with the most recent methods of teaching elementary physics."—*Nature*.

For other announcements of the University Tutorial Press, see pp. 10, 31.

Complete Educational Catalogue, and Catalogue of Class Books for Secondary Schools, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

CAMBRIDGE LOCAL EXAMINATIONS.

SPECIAL SUBJECTS, 1920.

Religious Knowledge.

PRELIMINARY.

GOSPEL OF S. LUKE. (Preliminary Edition.) With Introduction, Notes, and Maps. By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.

JUNIOR AND SENIOR.

GOSPEL OF S. LUKE. With Introduction, Notes, and Maps. By Rev. T. WALKER, M.A., late Sub-Warden and Lecturer at St. Augustine's College, Canterbury, and Rev. J. F. RICHARDS, M.A. 2s.

ACTS OF THE APOSTLES. Part II. ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A., Head Master of Dean Close School, Cheltenham. With Introduction, Notes, and Maps. 2s.

English Literature.

PRELIMINARY.

SCOTT-LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s.

JUNIOR.

SHAKESPEARE-TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. 1s. 9d.

SCOTT-LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s.

TENNYSON-COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. [In the press.]

SENIOR.

SHAKESPEARE-TEMPEST. By A. R. WEEKES, M.A. 2s. 3d.

SHAKESPEARE-HAMLET. By S. E. GOGGIN, M.A. 2s. 3d.

MILTON-COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d.

MILTON-LYCIDAS. By S. E. GOGGIN, M.A. 1s. 6d.

MILTON-SONNETS. By W. F. MASOM, M.A. Second Edition. 2s.

ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d.

Latin.

JUNIOR.

CÆSAR-GALLIC WAR, BOOK VI. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, Notes, and Complete Lexicon. 1s. 9d.

VERGIL-ÆNEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. Introduction, Text, Notes, and Complete Lexicon. 1s. 9d.

SENIOR.

LIVY-BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, and Notes. 3s. Vocabulary. 1s.

TACITUS-AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary. 1s.

VERGIL-ÆNEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. Introduction, Text, Notes, and Complete Lexicon. 1s. 9d.

Greek.

JUNIOR.

XENOPHON-ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary. 1s.

EURIPIDES-MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d.

SENIOR.

EURIPIDES-MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d.

Geography.

JUNIOR.

JUNIOR GEOGRAPHY OF EUROPE. Including Outlines of Physical Geography, the British Isles, and Europe. By G. C. FRY, M.Sc. 2s. 9d.

GREAT BRITAIN AND IRELAND, WITH OUTLINES OF PHYSICAL GEOGRAPHY. From the *Junior Geography* by G. C. FRY, M.Sc. 2s.

JUNIOR GEOGRAPHY OF ASIA, AFRICA. From the *Junior Geography* by G. C. FRY, M.Sc. Each 1s.

SENIOR.

SENIOR GEOGRAPHY OF EUROPE. Including Principles of Physical Geography, the British Isles, and Europe. By G. C. FRY, M.Sc. 3s. 6d.

SENIOR GEOGRAPHY OF ASIA, AFRICA. By G. C. FRY, M.Sc. Each 1s. 6d.

Complete Catalogue of Class Books for the Cambridge University Local and Higher School Certificate Examinations, post free on application.

University Tutorial Press, Ltd.

High Street, New Oxford Street, LONDON, W.O. 2.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	£5 10 0	One Column [$\frac{1}{2}$ page]	£3 0 0
Half Column [$\frac{1}{2}$ page]	1 15 0	One-Eighth Page	0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—

6d. per line; minimum charge, 5s.

Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d. *prepaid rate*.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each 8 words after, 6d.; *prepaid rate*.

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—
MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C. 4;

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London City and Midland Bank, Ludgate Branch." Postage stamps can only be received at the rate of thirteen to the shilling.

Notice must be given of all remittances through the Post Office from abroad, stating full name and address of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: WILLIAM RICE, 3 LUDGATE BROADWAY, E.C. 4.

URGENT PROBLEMS OF EDUCATIONAL RECONSTRUCTION.

By RETA OLDHAM,

President, Association of Head Mistresses.

WRITING on behalf of girls, I believe that the most urgent problem of educational reconstruction is a proper provision of scholarships and maintenance allowance for girls, which would enable them to pass on from school to the Universities or to courses of training in art, music, domestic science, physical exercises, &c.

It is the fact that, in the last year for which statistics are available, the number of scholarships to Oxford and Cambridge offered to men was 440 and to women 34; and it is also the fact that the number of girls taking a full secondary education and preparing for the University was and remains conspicuously greater than that of boys. Since 1914 the Board of Education has instituted "advanced courses" in secondary schools, and more pupils will, through these courses, be brought to the threshold of the University only to find the gate barred to them, unless the provision of scholarships and maintenance allowances is increased. At this period of our history the trained minds of women are needed as never before both to fill the vacancies left by the men who have laid down their lives for our country and also to assist in raising the general standard of education and efficiency in the country and throughout the Empire. In the near future the calls on women will increase and multiply, and opportunities for preparation to answer these calls should multiply correspondingly.

The Association of Head Mistresses, at its Annual Conference last June, while placing on record the unanimous belief of its members that a large provision of scholarships tenable at the Universities is required, suggested that this provision might be secured by the free admission of students to the University of their choice through (a) the payment by the

State of the tuition fees of all who pass the Higher School Examination and (b) the granting by the Universities of "free places" to approved students from secondary schools. The Association advocated also a provision of maintenance grants for women students, by means of gifts and foundations. We have appealed to the public and the response has been generous, but a deplorable wastage of women's ability continues and will continue until the scholarships which girls so sorely need are supplied.

By E. R. CONWAY,
President, National Union of Teachers.

INTIMATELY connected with the problems of educational reconstruction is the problem of the housing of the people. There is little privacy and comfort in most working-class dwellings; bath-rooms are an almost unheard-of luxury; and it is wellnigh impossible to obtain any opportunity for study.

This unsatisfactory condition of things has a very bad effect on the health of mothers and children. The fact is seldom realized that inefficient household conditions make the work of the home-maker so difficult and discouraging that she is often entirely debarred from educational and social activities, and becomes prematurely worn out. Now that the value of human life is more fully recognized, the State will see that proper safeguards are taken for the protection of the health of mother and infant. The recruiting statistics have proved conclusively how great have been the evil effects of the premature employment of school children, and Sections 14 and 15 of Mr. Fisher's new Act, which prohibit the employment to some extent, will need to be at once enforced if our boys and girls are to grow up strong enough for the task which awaits them in the future.

Medical inspection and treatment should be at once provided in every school, and nursery schools should be established for all children between two and five whose attendance is necessary or desirable.

Education should be made free in all its stages, so that every child, whether poor or rich, may have equality of opportunity, and maintenance grants should be provided where necessary.

As the success of all educational systems depends upon the personality and character of the teachers employed, measures should at once be taken to improve the teaching staff of the schools, and prevent the employment of unqualified persons in them. No one should in future be allowed to teach without adequate training and a certain recognized standard of academic attainment. Mr. Fisher's Pension Act, and the improvement in salaries which is gradually taking place, will do much to attract men and women of the right type into the teaching profession, and the Board of Education must see that the backward Local Education Authorities are compelled to offer adequate remuneration.

There are still some Education Authorities which do not recognize the desirability of teacher representation. In my opinion, every Education Committee should include at least one man and one woman teacher directly elected by the teachers of the district.

It is also very desirable that all new schemes under Mr. Fisher's Act which are forwarded to the Board of Education should have been discussed and approved by a Joint Committee on which teachers and others interested are represented.

Another urgent matter is the limitation in the size of classes in the primary schools to forty pupils instead of sixty, as soon as the requisite number of teachers is available. No panacea for improved education will be successful which leaves the ordinary children to be herded together in large classes with poorly qualified teachers.

By CHARLOTTE L. LAURIE,
President of the Association of Assistant Mistresses in
Secondary Schools.

THE most pressing need as regards Educational Reconstruction is the reorganization of Education Committees. The Education Act of 1902 provided that the education com-

mittees established by Local Authorities should consist of a majority of the town or county council, and, where it seems desirable, of persons of experience in education and of persons acquainted with the needs of the various kinds of schools in the area; of women as well as of men. It is hardly too much to say that an inquiry into the personnel of the education committees of many town councils, and even of county boroughs, would in many cases reveal a very small proportion—(a) of members with any extensive or expert knowledge of education, and (b) of women.

An Act of Parliament which would insist on a certain proportion of members being elected by the teachers of the elementary and secondary schools in the area would be a great gain. In order, too, to maintain that belief in education which the War seems to have created in the nation, it is desirable to have parents represented on these committees. The schools of the country would gain immensely by a closer co-operation between administrators, teachers, and parents. It may be urged, in passing, that Directors of Education should have had some teaching experience.

Another measure that would undoubtedly raise the standard of education, especially in the smaller provincial towns, would be the compulsory registration of private schools. It surely is an anomaly in this twentieth century that any one can set up a school without the slightest inquiry into his or her qualifications. The new Act invites private schools to offer themselves for inspection, and no doubt many will do so, but some system of registration is essential in the interests of the public in the case of those private schools that are not inspected.

The War has revealed an alarming state of things as regards the physique of the nation. Undoubtedly much has been accomplished by the school medical service during the last ten years. At the same time it is disconcerting to read in Sir George Newman's last annual report that in 1917 there were still some Local Authorities which had not provided any school clinic, nor made provision for the treatment of dental defects or the supply of spectacles. It is not sufficient, however, to try to improve the physique of school children. As far back as 1904 the Physical Deterioration Committee recommended a permanent Anthropometric Survey, which, beginning with "the periodic taking of measurements of children and young persons in schools and factories," should be extended "to the population of the country at large." It is to be hoped that the Ministry of Health will at least insist on an annual medical inspection of *all* children, and will compel those Local Education Authorities that have not already done so to adopt schemes of preventive treatment. Progress in education is intimately connected with improved physique.

By S. MAXWELL,
Chairman of Council, The Private Schools Association.

THE passing of the Education Act and the School Teachers' Superannuation Act marks a definite epoch in the history of English education, and it is unfortunate that these two Acts, while in many ways beneficial to education, should impose injustice on a large body of teachers. Especially is this the case with the Superannuation Act, for it expressly excludes from its benefits all teachers in private schools, even those inspected and pronounced efficient by the Board of Education. These schools will naturally find it exceedingly difficult to get satisfactory staffs in the future, and so their efficiency must necessarily suffer.

The Board have said in the past that they have no official knowledge of private schools, but, if responsible for the education of the country, it is their duty to have knowledge, and the means to obtain it are now given by the Education Act. It is possible to have a truly national system of education in which all types of efficient schools should be represented, and such a system should be one suited to a free country and so far as possible should avoid the excessive control of a bureaucracy.

To make this possible it is necessary to change the educational unit. This at present is the school. It is the school which is "recognized," and the teachers and pupils are merely

a part of a whole. The question of any change in the nature of the State grant is too large to be entered on here, but a change of unit from the school to the teacher is easily possible, and would be a simple and much needed reform. It is the teacher, not the school, who is going to receive a pension, and it is the efficiency of the teacher, not the type of school, which should be the deciding factor as to whether a pension is granted or not. For it cannot be maintained that a teacher in an efficient school under private management is doing work of less national importance than his colleague in one that is State-aided.

By the work of the Teachers Registration Council the professional status of the teacher is being raised, and the unification of the profession is no longer a vague dream. The injustice of the present position would disappear if all registered teachers in efficient schools were treated alike, and all privileges at present enjoyed by teachers in State-aided schools were granted to all registered teachers in efficient schools.

Private schools in England will continue to exist; the present trend of affairs unfortunately tends to handicap the better schools rather than the less efficient, and this is nothing short of a national calamity. It certainly seems strange, when we have been fighting Prussian ideals for more than four years and have at last proved victorious, that those responsible for our educational system should use here exactly the same methods to stamp out private enterprise as were so successfully adopted in Germany. We have seen the evils of an all-embracing State system of education in Germany; let us at least pause and consider before we go any further on the same path in our own country.

By S. B. LUCAS,
Chairman-elect, Incorporated Association of
Assistant Masters.

PARLIAMENT has passed an Education Act. It has passed a generous measure for the superannuation of teachers. What should be done next?

In educational matters questions of administration are all-important. Therefore it matters a great deal whether the members of Education Committees are sympathetically inclined towards the highest educational ideals or not, and also whether they have the requisite knowledge to deal with the new problems that are continually arising. In the opinion of my Association it is urgently necessary that Education Committees should be strengthened by the inclusion of a much larger number of teachers. We make this demand on two grounds: in the first place, because we are confident that there exists among members of our profession a large amount of administrative ability that might be utilized in securing greater educational efficiency; and in the second place, because we desire to have a greater share in determining the conditions under which education is given. We think, too, that Consultative Committees should be set up in each area controlled by a Local Education Authority. It would be well if these committees had the right of nominating certain members of the Education Committee.

It is evident that a national scale of salaries for teachers cannot be much longer delayed. It will be the natural and inevitable outcome of the national system of pensions. Every teacher should be assured, once he has passed satisfactorily a period of probation, of rising to a maximum not lower than a fixed amount which must be made compulsory throughout the country. This minimum maximum, if I may use the expression, should be adequate. It should not be lower than the maximum of the illustrative scale set forth in the report of the Departmental Committee. At present, of course, the figures require an addition to cover the increased cost of living, and they will always need to be supplemented by an additional allowance in London and other places where the cost of living is above the average. Further, in all such improvements the existing teachers should not be treated less fairly than new entrants to the profession. They should be placed as soon as possible at a position on the scale conforming with their years of service. What can be more repelling to a would-be teacher

than to realize that old and tried servants are treated far less generously than new-comers? This has been the deplorable practice of many Authorities in recent years.

The Pensions Act, generous as it is, needs an amendment for the purpose of ensuring that all service in schools recognized as efficient by the Board of Education shall count as pensionable service.

The question of tenure, too, must receive early attention. It is against all ideas of justice that there should be no right of appeal from notice of dismissal. Every teacher should be able, in such circumstances, to state his case, with proper assistance, before his employers; and, if a satisfactory settlement cannot be achieved by this means, the further right of appeal to an impartial authority should be granted.

These three demands—a national scale of salaries, security of tenure, and representation on Education Committees, must be satisfied if an adequate supply of teachers is to be forthcoming. And without an adequate supply of teachers all attempted reforms will fail. It is, further, a pressing necessity to reduce the size of classes in the primary schools from sixty to thirty or even twenty-five pupils, but at present there are not enough teachers to enable this to be done. This is one of the reforms that will tend to remove the false and undesirable distinction between primary and secondary education. It must be made possible for teachers to pass from primary to secondary schools, and *vice versa*. The petty jealousies between primary and secondary teachers must be got rid of, and this can only be done by recognizing that all teachers are members of one great profession.

EDUCATIONAL RECONSTRUCTION AND THE CURRICULUM.

By T. K. M. BOOTH and T. S. USHERWOOD.

[. . . The fatal consequence of these educational methods was that it was considered no shame that a man should leave his University not only ignorant of modern languages and science, but also unprovided with any economic or commercial training that could be of value to him in practical life. . . . This example has been followed by other classes of the community, . . . and thus much of the best material that England produces has been sent to its work in life without any special preparation for the task before it.—The Right Hon. LORD MOULTON.]

RECENT reports on the various subjects of the curriculum and essays on education in its broader aspects alike show that the time is now ripe for reform either in the means of culture themselves, in the method of their presentation, or in the balance of studies. On all sides there is an accumulation of evidence that education has, to some extent, missed its aim. It has not, it is urged, developed the desire for knowledge. The average boy leaves school not only without this desire, but with the idea that his education is now complete; while the scholar (*i.e.* the scholarship candidate) has in most cases confined his mental activities to the narrow groove in which his training has developed. It is said, too, that teachers have neglected to develop the critical faculty; that our pupils tend to rely unduly on authority, that they do not sufficiently realize the importance of independent thought and active research. In effect we have, perhaps unconsciously, made our pupils conform to type rather than concentrated on the development of separate individualities.

Critics of the scholarship system have pointed out, and it must be confessed with some truth, that too little consideration has been given to the average boy—although the vigour of our national life depends more on the intelligence of the average man than on him of special ability. Other critics say that, in spite of what has been done already, there is still not enough real correlation; that each branch of study is kept in its own watertight compartment and that there is, in consequence, much overlapping and great waste of educational effort; that

this is possibly due to the influence of the specialist teacher who thinks too much of his own subject and not enough of co-operation with his colleagues. Linked with these is the charge that we have subordinated the individual, and consequently the race, either to the material or to the method: the specialist is accused of concentrating on his own subject even to the point of excluding others, arguing that it is desirable to do so since the pupil has so readily responded to its stimulus and forgetting that the average intelligent boy will, if pressed, respond to the stimulus of any well taught subject.

Few schools have been so fortunate as to have been able to initiate changes in the last four or five years; but, on the other hand, there is a more vivid realization of the necessity for reform. The expansion, enrichment, and general modification of old ideals by modern views of industry, nationality, and science point to the necessity for economizing time in order that essentials may be retained, and thus a new and heartier welcome to the principle of co-ordination is assured. Subjects and aspects of study which possibly retain a place in the curriculum by sheer inertia, must show themselves worthier than others clamouring for admission or yield place: for we are prepared to experiment and concentrate on any subject or method which is adapted to the ages and capacities of our pupils and which has a specific value in life. Vocationalism, liberally interpreted and seen truly, is no longer anathema, since education must prepare for the business of life as well as for the rational employment of leisure. We must realize that during this and possibly the next generation there will be urgent demands for the boy of constructive mind, scientific training, keen social sense, and tolerant views, and that this will necessitate vocational training coupled with a broad educational outlook.

In the circumstances, reconstruction means more than merely a recasting of the time-table. It means a readjustment of our aims. We must ask ourselves what we really wish to produce, looking further ahead than the age at which the boy leaves school—when he is, in every case, a most unfinished product: in fact, the more we can make him realize that he is unfinished, the better in one sense shall we have succeeded. Following this certainty in our own minds as to our ultimate aim, we may reconstruct the curriculum provided we remember that, if we take the word literally, reconstruction does not mean adding a prop here and there to a jerry-built house, but the rebuilding of a new educational structure on a solid foundation. In how many cases have we not arrived at grotesque results by our system of constructing convenient "modern" annexes to a building either overcrowded or out of date?

To achieve a desirable unity in place of the present discord and confusion we must recognize that the sources and instruments of culture which serve adequately to develop the individuality, form, in the words of Mr. Benchara Branford, a trinity—no unit of which ought, throughout school life at any rate, to be allowed to function to the exclusion or even at the expense of the others. Languages, the artistic arts and crafts, and the study of nature, "the inexhaustible environment of man," are equally important. Scholars must learn something of humanity itself, something of its occupations, and something of its environment throughout their early school days, if only in order that we may discover the stimulus to which they most readily respond. Later, we may allow partial specialization in, or rather a concentration on, that branch of culture which has proved most valuable in their development, but not to the exclusion of the other branches except in the rarest instances. When some measure of appreciation for the three aspects of the trinity of cultures has been acquired, when their many points of contact and their inexhaustible content have been realized, the character and type of each pupil will be the best guides as to the direction in which he may concentrate his efforts so that he may become most valuable to the community while developing his own individuality. (We may note here that the growth of desire for knowledge and the development of the critical faculty are as much dependent on the method as on the matter of study, and that probably the inquisitive line of approach is the most fruitful.)

It would appear, then, desirable to divide each school—that is, each secondary or public school—into two parts, a junior and a senior. In the former there should be a common curriculum, embracing languages, the artistic arts and crafts, and the natural sciences. In the latter there should be alternative curricula with a definite bias in one or other of these three main directions. In no case, however, should the curriculum be treated as a bundle of separate subjects, as is so often the case in reality, even where there is a conscious attempt at co-ordination: the school course is a unity which aims at the complete and "harmonious development of all the powers of the pupil." In practice, the age at which partial specialization should be encouraged is governed by the conditions that no aspect of the trinity of cultures should be neglected, and that the development of each should reach some definite stage fixed by common agreement of the staff, though possibly varying from school to school, or even from time to time. (Note, incidentally, that this and the whole problem of adequate and real correlation point to the fundamental importance of regular and frequent staff meetings. Possibly the greatest opportunity for the organizer occurs in out-of-school work. The training in English, which in the future is certain to be the foundation of our educational system, must, in part at least, take the form of expression by the pupils of their own activities. There will be a considerable saving of time and a further step in the direction of unity if the description of practical work done in school is criticized, and marked, from the two points of view.)

Now, the correlated development of brain and hand due to "art and craft" work is continuous throughout early life, but, save in the case of exceptional pupils for whom due allowance must be made, is fairly complete by the age of fourteen and a-half or fifteen; so it appears reasonable and desirable to recognize an "age of choice" at about fourteen and a-half. By such a plan we avoid the evils of over-early specialization, and we allow for the natural inclinations, since at fifteen the average boy has usually some idea of his future calling, has generally exhibited some preferences, or shown talent in one direction or the other. In the junior school all boys should confine their studies to such subjects as, in Dr. Weildon's phrase, "constitute the permanent basis of education in all secondary schools," although his list (Brit. Assoc. Address, 1911) reveals the influence of a somewhat one-sided outlook, in that a disproportionate share of time is allotted to languages and "craftwork" does not appear. If languages, the arts and crafts, and science work are equally valuable, the available time must be divided into three *approximately* equal parts and one allotted to each; but in this allotment attention must be paid to the content of each branch, its educational worth, and the stage it has reached in its evolution. While languages and science work are of old standing and approved value, the artistic arts and crafts are new comers and have barely passed the utilitarian stage, so that for the present the approximation is very rough. For very little boys it is arguable that school work should centre about an occupation, and handwork ought undoubtedly to bulk larger; but there is obviously no reason for a hard-and-fast division of the time throughout the junior school. Assuming the working week to contain twenty-six hours or, what is probably more convenient, thirty-two periods (six in each of four days and four on each of the two half-holidays), it is suggested that thirteen periods should be devoted to the language group of studies, which, with reading, writing, literature, and the minimum of formal grammar, should include history and religious knowledge; six periods to the artistic arts and crafts, including handwork of all kinds, drawing, colour work, modelling, &c.; twelve periods to science work, including geography and that "basal science of sciences," mathematics; and the remaining period to music.

With the general principle of the suggested rough apportionment of periods there will doubtless be some agreement, but opinions will certainly diverge when subdivisions of the main elements are considered. What languages should be studied? What science or sciences? What shall be the first "foreign" language and how many periods per week does its presentation demand? How many of the twelve periods allotted to science work must be devoted to mathematics? Should

the study of any "subject" be continuous throughout school life, or may it be shelved temporarily and resumed after an interval? Such questions are controversial, but attention to the following points may help towards their solution.

First, in but few schools has "English" received satisfactory treatment. As has been said, English must be the foundation of work throughout the school and must consequently have a far more liberal share of the available time than in the past. While emphasis is laid on its linguistic aspect in the lowest forms and on its literary aspect in the middle forms, it should become a real inspiration for every kind of specialist in the upper school. On lines of the development of individual appreciation, science work itself may be illuminated by the humanistic appeal and there is apparently no valid reason why "English" should not come to connote all that "classics" has in the past. Humanism is the ideal at which we all aim; not industrialism, commercialism, materialism, or any other sectional "ism."

Secondly, at least one period daily is advisable when a "foreign" language is first studied—although this principle may need modification when "language" as opposed to "languages" is the subject with which we are dealing.

Thirdly, a minimum of two periods per week is desirable for the development of any subject.

Fourthly, while no branch of knowledge is narrow and unconnected with any other, certain subjects offer a richer field than others to the teacher who is alert to make his pupils realize the extent and unity of knowledge and are thus more valuable as co-ordinating agents. In art work, for example, the most important thing still is learning to draw. But the application of that knowledge to craft work and design, and the cultivation of good taste by means of lectures on historic styles illustrated from buildings, painting, sculpture, and industrial art, are logical extensions, so that art work is definitely part of the school curriculum and is closely interwoven with literature, languages, and science.

Again, consideration of the occupations and environment of man involving natural science, geography, craftwork, &c., will give rise to problems which can only be solved economically through the medium of mathematics. Consequently, in the lower forms of the junior school mathematics should be incidental, should be subsidiary to and arise from science, geography, handwork, &c. When, however, the necessity for the logical treatment of mathematics is felt, the time devoted to it formally may and should be extended and, in all probability, in the upper forms of the junior school it will be found advisable to apportion six periods to mathematics, two to geography, and four to experimental natural science. This points to the closest and most sympathetic co-operation between the mathematical specialist on the one hand and the teachers of craftwork, science, and geography on the other. Possibly the desirable spirit in which to approach such problems of organization is illustrated by Mr. Benchara Branford's saying: "Every central truth should arise in response to some demand springing from a problem involving manual as well as mental dexterity." That subject will take precedence which at once interests and stimulates the imagination, disciplines the mind, and prepares for life—which is, in short, of real educational merit.

From what has gone before, it will be seen that the call for reconstruction, the renaissance of education, for the time being at any rate, is most urgent in the junior school. It is impossible to deal adequately with the curricula of the senior school in the space at our disposal, but the general lines of their development should follow naturally. One thing, however, is important. Whatever "sides" there may be, each should be regarded as equally important in the educational system. In far too many cases where there have been "sides" in the past, one has been regarded as a convenient dump for scholars of less than average intelligence. Schools should be laboratories of the applied science of education and in each there is scope for many experiments: the finished product should be pupils of whom it may truly be said that "each body has its own hygiene, each mind its own renaissance, and each soul its own reformation."

CORRESPONDENCE.

DETERMINATION OF THE VALUE OF g .

To the Editors of *The Journal of Education and School World*.

SIRS,—In common, I believe, with many other teachers of mechanics, I have long felt the need of some simple apparatus to find the time of fall of a body. The swinging rod and falling bullet is extremely limited in range; Atwood is indirect and complicated, often giving quite unsatisfactory results; the water-clock method at the best is messy; and the pendulum is accurate but is indirect, and involves mathematical reasoning beyond the range of a beginner. Apparatus which I have recently designed seems to be free from these defects, and I therefore hope that a description of it may be of interest to your readers.

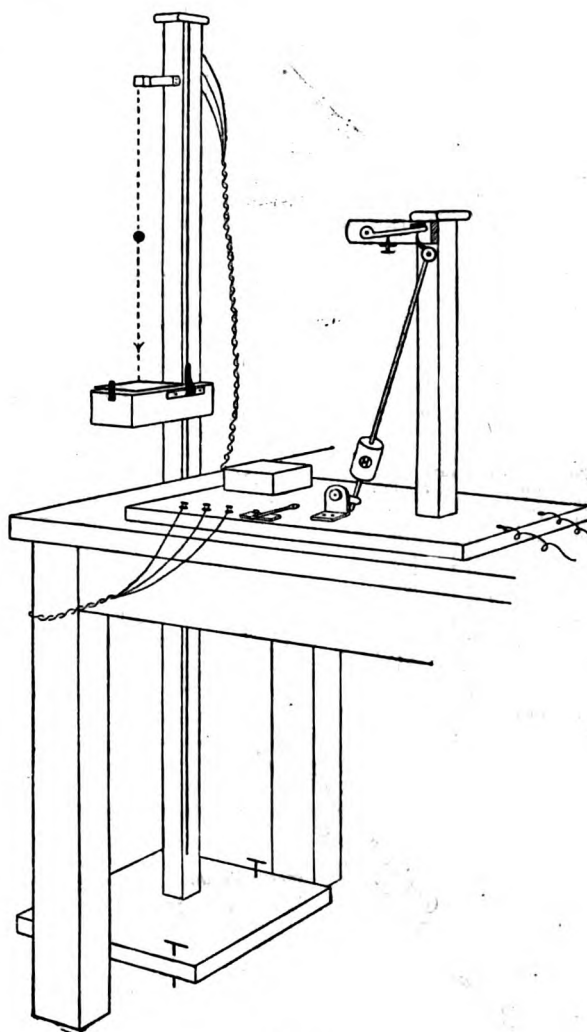


FIG. 1.

A ball, B , is held in a clip by an electromagnet. In its fall it strikes a platform, p , which is movable up and down on a vertical standard. The impact breaks momentarily an electric contact.

Mounted on a separate stand is a pendulum, adjustable in period. As long as the pendulum is on the left-hand side, it makes electric contact; but, immediately it passes the mean position, it breaks this contact and remakes it on its return. The break of this contact liberates the ball from the electromagnet, so that it begins to fall at the instant the pendulum

passes from left to right. The diagram (Fig. 2) shows the electrical connexions. The current from the pole C of a

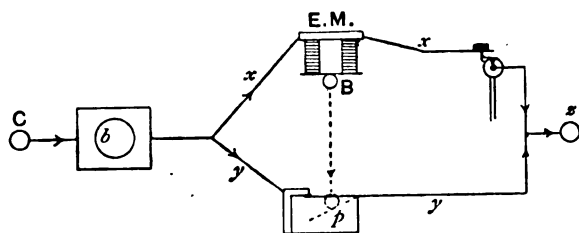


FIG. 2.

battery passes first through a bell (*b*), the hammer of which it holds up against a spring; it then divides into two arcs, *xx* and *yy*, which join up again at the other pole, *x*. In the first arc (*xx*) are inserted the pendulum contact and the electro-magnet; in the second (*yy*) is the platform, *p*. A current will therefore flow through the bell unless *both* these arcs are broken simultaneously.

To carry out an experiment the pendulum is held to the left by a catch and the ball placed in the clip. When the pendulum is freed, it releases the ball in passing the zero position. If the ball hits the platform *p* before the pendulum returns to this position, then both the arcs are broken at the same time and the bell hammer is released; but, if it hits *after* the return, then the arc *xx* is remade before *yy* is broken, and the bell does not ring. The ringing (silence) of the bell is therefore an indication that the half period of the pendulum is greater (less) than the time of fall of the ball; the platform can then be lowered (raised) and the operation repeated until a place is found such that the half period of the pendulum exactly coincides with the time of fall.

A series of readings is easily obtained; the results should be accurate to a few thousandths of a second. The tabulated results and graph need no explanation.

Time in secs. (t).	Fall in ins. (h).	$g-2$ inft.sec. (g).	$t^2 \times 10^3$
.235	12.5	32.1	65
.280	14.5	31.5	78
.310	18.0	31.2	96
.345	23.5	32.9	119
.380	27.5	31.7	144
.405	31.0	31.5	164
.424	34.5	31.9	180
.446	38.5	32.2	199
.468	42.0	32.0	219
.491	46.5	32.2	241
.513	50.2	31.8	263
.534	54.7	32.0	285
.556	58.5	31.6	309
.576	64.0	32.2	332
.594	68.2	32.2	350

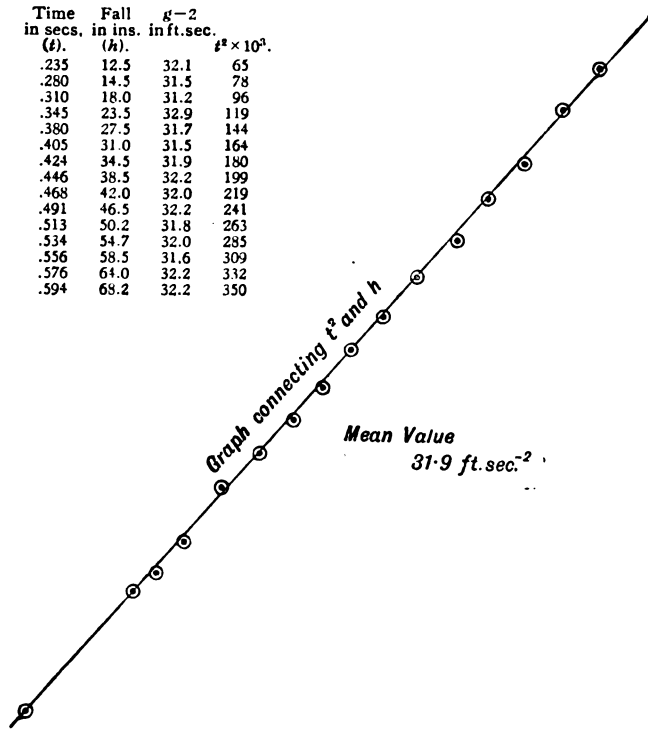


FIG. 3.

The apparatus was made for me by Mr. G. C. Bloomer, High Street, West Tarring, Worthing.—I am, yours faithfully,
C. J. L. WAGSTAFF.
Haberdashers' School, London, N.W.2.

THE BALANCE OF SALARIES IN SECONDARY SCHOOLS.

To the Editors of *The Journal of Education and School World*.

SIRS.—When one reviews the course of events in the industrial world during the last four years one cannot help feeling that much of the present labour unrest is due to the fact that authorities have thought only of supplying the need of the moment, and have shut their eyes to the far-reaching results of their actions and to the injustice that might spring from them. "Munitions of war must be obtained at once; therefore let us induce men to become makers of munitions by offering exceptionally high wages, and for the time being let us forget the existence of all other workmen." Such has been the War policy throughout. "Diseases desperate grown by desperate remedies must be relieved or not at all." So perhaps this short-sighted policy has been unavoidable in these times of strain and stress, when any delay will assuredly lead to defeat and to the unnecessary loss of precious lives. But when one sees a similar policy applied to the affairs of the educational world, "it cannot but make the judicious grieve."

Without attempting to push the parallel too far, let us look at the matter a little more in detail. A need has arisen for finding suitable employment for well qualified teachers who do not wish to become Heads of schools, and to meet this need some permanent official in the purlieus of Whitehall has evolved the ingenious scheme of the "advanced course" for promising pupils between sixteen and eighteen in secondary schools, and the decree has gone forth that for such work quite exceptionally high salaries are to be offered. For some reason best known to themselves, just possibly to balance this extra expenditure, educational bodies have felt a need to reduce the salaries of future Heads of schools, so as to make them about equal to those of the teachers taking advanced courses, and have not hesitated to put their plan into action. At the same time, to induce unwilling juniors to enter the teaching profession, exceptionally high initial salaries are being offered to young teachers fresh from the University or the training college. To the vast body of well qualified teachers precluded from taking an advanced course by the nature of their subject or of their work, and who for many years "have been bearing the burden and heat of the day," practically no thought has been given.

All this, to take an extreme case, may lead to the following anomalous result in a large secondary girls' school, in which perhaps before the War the scale of salaries was not very high.

1. There will be a newly appointed head mistress who naturally will be responsible for the work of her staff and of the whole school, who will have to spend a large part of her holidays on school work, and, if she happens to be working under an arbitrary central authority, "will," to quote the words of a head master in a similar position, "have a dog's life of it very often."

2. There will be a special staff of mistresses for the advanced course. These mistresses will spend the greater part of their time on the perhaps arduous, but extremely congenial, work of teaching their own special subjects to classes of ten to fifteen picked pupils. They will, on the plea of heavy preparation, be given light timetables, and be spared much spade-work in the rest of the school. Their sphere of influence must necessarily be limited, and it may happen that their course will be only relatively and not actually "advanced." Yet these mistresses will be receiving salaries equal to or little less than that of the head mistress.

3. There will be specialists in subjects not included in the advanced course. Such mistresses will either be doing work as advanced as that of the special staff in their own subjects, or, if this be denied them, will be longing to do so.

4. There will be the mistresses whose work affects the general organization of the school, such as the second mistress and the heads of the various departments into which it is so often necessary to divide large schools. Such mistresses will influence for good or ill numbers of lives, and therefore their work will entail almost as much responsibility as, and possibly need more tact than, that of the head mistress herself. Yet these mistresses and the specialists mentioned above, whose qualifications will not in all probability be inferior to those of the special staff, will be receiving salaries of £60, £70, £80, or even £100 less than those of the mistresses working on the advanced course.

5. There will be the junior mistresses, many of whom will be raw youngsters straight from college who, with the best intentions in the world, will very often gain their experience at the expense of their pupils, and whose work will have to be supervised by the senior mistresses. And yet such mistresses will be receiving salaries only £20 or £30 less than those of the seniors who help them.

The injustice of the whole scheme needs no comment, and the fact that the injustice is merely a temporary and certainly an unintentional one does not make it in practice the easier to bear.

No one would be so small-minded as to wish to reduce the salaries of the special staff or of the junior mistresses, but one does

feel that something ought to be done by educational bodies to raise the salaries of specialists who have no opportunity of taking an advanced course in their subjects, and of those mistresses who help to make the advanced course possible or whose work is of special value in the organization of the school, so that there should be more difference between the salary of an experienced teacher and that of a raw junior, and less between that of a responsible and well qualified mistress and that of her more highly favoured colleague on the special staff.

Anyone who has any sympathetic knowledge of a school staff knows that, underlying much that is mean, selfish, and unkind, there is almost always present a genuine love of the work for its own sake, coupled with a strong sense of abstract justice. As one knows that an appeal to this principle of justice rarely fails to bring out the best in us, so one fears that any violation of it may bring out the worst, and that that horrid spirit of commercialism which connects work and pay may creep insidiously into our ranks and taint what, with all its shortcomings, has up to the present been perhaps the most disinterested of all the professions.

A. E. LLOYD.

TRAINING OF CONTINUATION SCHOOL TEACHERS.

To the Editors of The Journal of Education and School World.

SIRS,—From the many interesting and valuable discussions which have taken place in regard to the nature and scope of the continuation class teaching to be provided under Clause 10 of the Education Bill, the point has definitely emerged that some modifications in the ordinary systems of training will be advisable in the case of the teachers for this purpose. This is not to question the truth that there are certain principles based on the nature of the growing intelligence which hold good universally for the educational development of the young mind. But since the intelligence is an inseparable activity of the whole being, with its physical and emotional aspects, the methods based on these principles require some modifications in the case of certain groups of students. Above all does this seem unquestionable when we are dealing with those young workers who might be described as children of two stages of civilization, placed under two kinds of law. They obey the law of a ruder society in their entrance upon the struggle for life at a stage when they are still in the workshop of Nature, incomplete physically, emotionally, mentally, and unprepared for that struggle. We apply to them the law of a more refined civilization when we insist that there should be added to the robust and more violent forces which are inevitably shaping or deforming them some influences of a training the nature and standards of which have been framed for persons still sheltered from these forces.

Various educational bodies and experts appear accordingly to have been devoting their attention to the devising of new schemes of training for the teachers of the juvenile industrial workers, one leading idea of which will be the necessity of some study of the social and industrial conditions affecting these prospective students, and the outlook and mental tendencies determined by their life and work. It seems, however, improbable that schemes on a sufficiently large scale will be instituted in time to provide more than a very small proportion of the teachers who will be required at the outset with the special qualifications which appear most desirable.

The Women's University and Social Settlements of London have been giving much thought to those aspects of the question of training on which—on account of the union of social and educational aims in their own work, and their experience of the realities of the young industrial workers' lives—they feel qualified to speak. They hope to co-operate with educational bodies in a definite one-year scheme of training to be established as soon as possible. In this co-operation they believe that an important part of the settlement contribution will be the opportunity given by residence of familiarity with a certain atmosphere created by interchange of thought and experience amongst social workers, and experience of friendly relations with working people.

In the meantime, and in view of the more urgent need, they would be glad to make known through your columns that if any students already qualified in some respects—as, for instance, by training and experience of teaching—would like to undertake a further special preparation for continuation school teaching during the next six months, they are prepared to receive a certain number in January, and to arrange for them some practical experience of social conditions, and teaching and observation of teaching in Clubs, Play Centres, classes of a W.E.A. nature, &c. Students will also have the opportunity of attending such lectures at colleges as may fit with their needs.

It cannot surely be doubted that the task of introducing educational influences into the lives of working boys and girls, helping to liberalize their outlook upon life and strengthen their minds for its demands,

will make a strong appeal to those who are seeking for their energies some high emprise worthy of these days. National existence has been saved, but, to maintain it at a high level and to raise it to a higher, we must labour to set free the spiritual powers of our youth who must give their best in peace as their fathers and elder brothers have given in war, if we are to "build Jerusalem in England's green and pleasant land."

The Settlements at present concerned are as follows:—The Women's University, Lady Margaret Hall, St. Hilda's, East Canning Town, Talbot House, United Girls' School, Creighton House, Bermondsey (Women's House), Presbyterian Settlement, St. Helen's House (Stratford), and Passmore Edwards. Those who would like to follow the suggestions of this letter should write to the Warden of one of these. Further particulars may be obtained from your correspondent, the Warden of the Passmore Edwards Settlement, Tavistock Place, W.C. 1.—I am, Sirs, yours faithfully,

HILDA D. OAKELEY.

THE STATE BONUS AND EDUCATION.

To the Editors of The Journal of Education and School World.

SIRS,—A good deal has been said of the responsibility of men in maintaining their families, and it is, at all events, clear that the penalty of equal pay, regardless of family responsibilities, falls heavily on the growing generation, and hence on the future community. The State Bonus scheme is a suggestion whereby this evil could be much reduced, whilst it has many important industrial effects which are outside the scope of your paper, except in so far as any improvement in the prosperity of the nation makes us more willing to listen to the demands of all the various sides of the educational problem.

Put briefly, the State bonus involves the setting up of a central pool into which everyone would contribute one-fifth of his or her income; from this pool everyone would receive an equal share, probably in the form of a weekly allowance, estimated at 9s. per week current value, but rising automatically with prices or with increasing national production.

The advantage to the family man is clear, since he contributes the same as the single man or woman, but receives an amount back which is strictly proportionate to his responsibilities. In the case of a man earning say £5 a week, he would pay in £1 and receive 9s. per head, or in the case of an average family of five, 45s. per week.

This would have four important and direct influences on education: first, it would make for better nutrition of the child; secondly, it would enable the thoughtful parent (and we have been astounded to find how many these are) to keep his children longer at school; thirdly, it would make it possible for children to devote more time and thought to evening work after leaving school, since the great economic pressure driving them into industry would be relieved; fourthly, it would remove some of that harrowing dread at the back of the minds of many teachers, that they or their children may be forced into degrading poverty or dependence on "charity." Hitherto it has been considered fair only to help those who prove their need publicly; this scheme proposes to help all alike.—Yours, &c.,

DENNIS MILNER.

Victoria Street, London, S.W. 1.

As we go to press, the following results of elections of University representatives in Parliament are announced:—*Cambridge University*, Mr. J. F. P. Rawlinson and Sir Joseph Larmor; *Dublin University*, Mr. A. W. Samuels and Sir Robert Woods; *University of Wales*, Mr. J. Herbert Lewis; *University of London*, Sir Philip Magnus; *Combined English Universities*, Mr. H. A. L. Fisher and Sir Martin Conway; *National University of Ireland*, Mr. John MacNeill; *Queen's University, Belfast*, Sir William Whitla.

THE Education Committee of the Navy League has decided to create a series of bursaries for the benefit of dependents of officers and men of the Royal Navy, Royal Marines, and Naval Auxiliary Forces, tenable at preparatory, public, and secondary schools, universities and technical colleges, or other places of special training. The number of bursaries will be limited only by the amount of the funds at the disposal of the Committee, which will not in the current year exceed £5,000. The award of the bursary will be for two years, but may be continued from year to year until the course of training is completed, subject to periodical satisfactory reports on the progress of the holder.

FOREIGN AND DOMINION NOTES.

FRANCE.

Boys and girls of fourteen were crowding St. James's Park. We supposed they were waiting for Mr. Fisher to announce that the to be appointed day had been appointed, so that they might write their demands for admission to a continuation school. A veteran warrior informed us, however, that they had only come to see the guns. And indeed the proposals in Section 10 of the Education Act are of so remote and contingent a character as to have caused little excitement hitherto either in young or old. At Paris, as in London, the chief concern of the children has been to see the guns. The French child in general is in a mood of exaltation. A sketch by M. Lucien Métivet in *L'Ecole et la Vie* (II, 9) exhibits a *Confédération Générale des Gosses* marching with banners on which their demands are inscribed: "Nous voulons des terrains de jeu," "Des balles et des ballons," "Des danses, chansons, courses," "Des haltères, des disques," and so forth. In the war zone the children show those quaint souvenirs, the gas masks with which they lately trotted to school. The War has left them all, moreover, a new gallery of heroes—the boys who died for France. Notable among these is Jean-Corentin Carré, styled *le Petit Poilu du Faouet*, who enlisted as a volunteer at the age of fifteen, was decorated with the *croix de guerre* at sixteen, promoted *adjudant* at seventeen, and at eighteen fell in an unequal combat with three German airmen. Pride as well as joy fills the heart of the child of the hour in France.

The *Revue Universitaire* (xxvii, 9) gives the foremost place to an article by M. Joliet, of the Lycée de Bar-le-Duc, headed "Les deux Ecoles." These schools are schools of opinion; the first consists of those who advocate for the recruiting of *lycée* and *collège* a system of strict selection, exercised at entrance and eliminatory from class to class; and the second of those who approve the large indulgence of the existing *régime*. M. Joliet is for selection. He combats the arguments against it, and he finds the obstacles to it to be insufficiency in the number of *bourses* and the attitude, hostile or indifferent, of primary teachers to secondary education. Let us be comparative to be instructive. The *lycée* is weakened by the presence of unsuitable elements; the English secondary school often harbours children who would be deemed abnormal if their parents were not rich. The remedy for France and for England is merciless exclusion of the unfit. The *lycée*, owing to its sanctions, keeps its pupils, on an average, longer than the English secondary school. Obligatory Continuation—the demand for which must not slacken, for we are not children to be fed with the foolishness of Section 10—would give to the English headmaster the sanction that he requires; for premature departure from the secondary school would involve attendance of a continuation school. The *lycée*, as M. Joliet insists, should be fed liberally with the best products of the primary school. So should the English secondary school. Our Education Act contemplates (2, 1, c) co-operative action with respect to "the preparation of children for further education in schools other than elementary, and their transference at suitable ages to such schools." It is good; but what is a suitable age? We observe that in France children provided with the *Certificat d'études primaires* may now join the class "Sixième A" of a *lycée* at the age of twelve or even a little earlier. Smoothness of transference is as important as abundance of free places. And as to these free places—*Freistellen*, *bourses*, scholarships, call them what you will—all writers point out (and some complain) that the parent is free to refuse them. Whilst that is so, on him depends the measure in which the secondary school can be recruited from the primary.

For a reform of secondary education in England it is not enough that teachers should be pensioned and better paid. The population of the secondary school should be more homogeneous and permanent. Close the gates to the blockhead! Out with the *cancres bien nippés*, the finely bedizened dullards! We shall be told that neither for selection nor elimination is the judgment of "dogmatic gerund-grinders" wholly trustworthy; that often their swans prove geese, their geese swans. No human judgment is infallible; we advance in all fields by using the best judgment that is to be obtained. The collective verdict of trained and experienced teachers will seldom be wrong; and the process that serves to extract the best material from the primary school might surely be relied on to keep the secondary school clean of the worst. Nor are the rejected to be flung into a limbo of darkness and neglect. Where they will be provided for, we need not say again. They will help to enrich the nation so soon as we offer them a lathe instead of a Latin grammar, a dung-

fork instead of a dictionary, and draw them from the listless contemplation of unserviceable books to high practical endeavour. For the choicer elements that remain there can be devised—since all will be found to the end of the course—a secondary education more rich and complete than any that the past has known.

UNITED STATES.

The interesting Lincoln School of Teachers College, New York, experimental in purpose, offers neither Greek nor Latin to its pupils, incurring by this omission the Olympian wrath of Prof. Shorey (*Education*, Boston, xxxviii, 9). But in the teaching of English at the school an effort is made to present some view of ancient civilization and the beauties of classical literature. What is the general attitude of the United States towards classical studies in the school? Greek is obsolescent; the position of Latin is being attacked. The latest assault is that delivered by Dr. David Snedden, whose name is a name of much weight, in an article, vigorous, eloquent, and full of high suggestion, contributed to the *School Review* (xxvi, 8). He would throw off the grip of the dead hand of Latin because, "in the first place, the insistently repeated allegations as to the educational values of Latin as now taught are, in fact, without demonstrated validity; and, in the second place, Latin, as an artificially protected study, stands as one pronounced barrier to the development of truly effective liberal education suited to the genius of the American people and to the needs of a twentieth century democracy." If the Americans, he says, are to fulfil their destiny, they must cease to worship the past; they must cultivate originality; they must seek out in every possible way the inventive spirit among them and give to it endless varieties of encouragement and positive incentive. Having learned the possibilities of controlled evolution, they must look for new aims and methods to educators well grounded in psychology and sociology. Experimental schools should be multiplied, and there should be given to them the freest possible scope to develop and test new and varied objectives and the means of reaching them.

Dr. Snedden would not banish the classics altogether; for those with genuine interests in such studies, every facility to pursue them should be afforded in the schools and colleges that can obtain enough students to justify the expense. But the great instruments on which he would rely in secondary education would be the English language and English literature, the social sciences, natural science (with new objectives and new methods), and the fine arts. We report him objectively, without the distraction of a commentary. The paragraph in which he deals with the future relations of vocational and liberal education in the United States deserves to be quoted in full. "Fortunately, we now see that we cannot effectively 'vocalize' education by offering in a high school or college a few elective studies, or courses of an academic nature, with a slight accompaniment of laboratory illustration or practice. We have been attempting this in numberless cases with agricultural, industrial, and commercial education—and even with home economics, journalism, business administration, teaching and social work. Only recently have we been coming to perceive the great wastefulness and futility of it all. We are certainly destined soon to have a system of vocational schools, the vestibuled approaches to the thousands of vocations now found in civilized society, but these schools will be as definitely differentiated from schools of general education as are now colleges of law, medicine, dentistry, and military leadership. We may expect then that the functions properly belonging to schools not vocational in purpose will be revealed more clearly. With this knowledge, we can proceed to devise the most effective general or liberalizing education for those thousands who must or will close their general school in their fourteenth or fifteenth year; for those other thousands, more fortunately situated, who can give from one to four precious years to the liberal education offered by the secondary school before embarking on the study or practice of a specific vocation; and also for that minority, usually combining much native ability with fortunate home conditions, who aspire to a 'college degree' before taking up the study of a profession. Here lie our opportunities to differentiate the ends and to determine the means of genuine liberal education."

INDIA.

There has been published an important circular letter from the Government of India to Local Governments and Administrations on the subject of boys' elementary education. The letter states that, in 1913, the Government of India expressed its

(Continued on page 40.)

SPECIALISED POSTAL COACHING—under a Staff of Honourmen
and Barristers-at-Law—for all**ACCOUNTANCY
AND
SECRETARIAL
APPOINTMENTS**

and Higher Commercial Examinations.

"STUDENTS' GUIDE"
sent on receipt of 2d. stamps.**METROPOLITAN COLLEGE**
(Dept. J. E.), - - - ST. ALBANS.**Teachers Registration Council**Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1912).In accordance with the above-mentioned Order, a
REGISTER OF TEACHERS
is now maintained by the Council.For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C.1.**THE "POSITIVE" ORGAN
IS IDEAL FOR COLLEGES AND SCHOOLS.**It represents the finest value offered in Organ Building, and
is a real pipe organ, not an American reed organ.Over 900 supplied, including many Cathedrals and Colleges
all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.**UNTIL THE NEW BOOKS ARE WRITTEN
The Geography Teachers' First Aid
WILL KEEP YOU UP TO DATE.****ANNUAL SUBSCRIPTION, 1/-.**

Free Specimen Copy from

MODERN GEOGRAPHERS, 15 KING STREET, E.C.1.**BERNON'S "SHALL AND WILL." 1s. 6d.**

"Your book is excellent, and I wish it great success" (CHARLES MELDRUM, LL.D.).

HACHETTE, 18 King William Street, Charing Cross, W.C.2.**EDUCATIONAL BOOKS
PRE-WAR PRICES.****CATALOGUES FREE.****JOHN DAVIS (Successor to THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.****BOOKS**On Educational,
Scientific, Medical,
Law, Theological and
ALL other Subjects.

Second Hand at Half Prices. New Books at Discount Prices.

BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants. Books Bought.

W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C.2.**FROM MR.****EDWARD ARNOLD'S LIST.****A Social and Industrial History of England.**By F. W. TICKNER, D.Lit., M.A., B.Sc. (Econ.) London. Illustrated.
730 pages. Complete. **7s. 6d.** Also in Three Parts, **3s.** each.**A History of England.**By Prof. C. W. OMAN, Oxford University. 760 pages. Cloth, **7s. 6d.** Also in
Two Parts, **4s. 6d.** each.—Part I to 1603; Part II, 1603-1902. And in Three
Divisions—Div. I to 1307, **3s. 6d.**; Div. II, 1307-1688, **3s. 6d.**; Div. III,
1688-1902, **4s.** The continued popularity of this famous History is the best
proof of its excellence for school purposes.**England in the Nineteenth Century.**By Prof. C. W. OMAN. With Maps and Appendices. Cloth, **3s. 6d.****Scenes from European History.**By G. B. SMITH, M.A., Royal Naval College, Dartmouth. **2s. 6d.****Outlines of European History, 1814-1914.**By G. B. SMITH, M.A., Assistant Master of the Royal Naval College,
Dartmouth. With maps. **3s. 6d.****The Last Century in Europe, 1814-1910.**By C. E. M. HAWKSWORTH, Assistant Master at Rugby School. viii +
426 pages. **7s. 6d.** net.**A Class Book of Geography.**By A. W. ANDREWS, M.A. **7s. 6d.****Outlines of Physiography.**By A. J. HERBERTSON, M.A., late Professor of Geography in the University
of Oxford. **4s.****Easy Arithmetic and Accounts.**By E. SANKEY and G. A. LORD. In Two Books. Cloth **1s. 6d.** each net.
Answers (both in one), **8d.** net.**A School Arithmetic.**By A. C. JONES, M.A., Ph.D., and P. H. WYKES, M.A. Without Answers,
5s.; with Answers, **5s. 6d.** Also in Three Parts, **2s. 6d.** each.**Practical Trigonometry.**By H. C. PLAYNE, M.A., and R. C. FAWDRY, M.A. **3s.****The Elements of Geometry.**By R. LACHLAN, Sc.D., and W. C. FLETCHER, M.A. xii + 235 pages, with
Answers, **3s. 6d.****A Textbook of Physics.**By R. S. WILLOWS, M.A., D.Sc. **7s. 6d.** net.**Electricity and Magnetism.**By C. E. ASHFORD, M.A., Head Master of the Royal Naval College, Dart-
mouth. **4s. 6d.****Introduction to Magnetism and Electricity.**By E. W. KEMPSON, Senior Physics Master at Rugby School. **3s. 6d.****Inorganic Chemistry for Schools.**By W. M. HOOTON, M.A., M.Sc., Chief Chemistry Master at Repton School,
5s.**Inorganic Chemistry.**By E. B. LUDLAM, D.Sc., Head of Chemical Department, Clifton College.
5s.**Outlines of Experimental Chemistry.**By E. B. LUDLAM, D.Sc. Second Impression. Crown 8vo, **2s. 6d.****The Principles of Drawing.**By L. BELLIN-CARTER, F.R.S.A., Art Master at Wellington College. **3s.** net.**Sur le Front et Ailleurs: "Contes de Guerre."**Choisis par JETTA S. WOLFF et annotés par A. S. TRÈVES. **1s. 6d.****Les Français en Guerre.**By JETTA S. WOLFF. With Notes and Vocabulary. **2s.****Arnold's Modern French Course.**Edited by H. L. HUTTON, M.A., Senior Modern Language Master at
Merchant Taylors' School. Crown 8vo, cloth. Book I, **2s. 6d.** Book II, **3s.****Grammaire Française.**A l'Usage des Anglais. Par E. RENAULT, Officier d'Académie; Lecturer in
French at the University of Liverpool. viii + 360 pages. Crown 8vo,
cloth, **5s.****Le Français Chez-lui.**A French Reader on Reform Lines, with Exercises on Grammar for Junior
and Middle Forms. By W. H. HONGES, M.A., and P. POWELL, M.A., late
Assistant Master at Wellington College. **1s. 6d.****LONDON:****EDWARD ARNOLD, 41 & 43 MADDOX STREET, W.1**

desire to see the number of boys' schools and pupils doubled in the near future. Some progress was made, but the War checked the full realization of the programme. Aware that a keen demand existed for a more rapid carrying out of its declared policy—in particular by means of compulsory education—the Imperial Government, nevertheless, thought that compulsion in scattered local areas would not spread education among the lowest and most backward classes, and might lead to a neglect of these for the sake of those more ready to accept compulsion. A fairly uniform general spread of elementary schools would be better effected not by general compulsion, which the Government thought impracticable, but by general compulsion of local bodies to provide facilities to carry out the plan of 1913. Accordingly, in 1917, it evolved a scheme to double the number of pupils in boys' schools in ten years and to divide the additional expenditure equally between the Imperial and Provincial Governments and local bodies—local bodies being compelled to provide and maintain the requisite facilities—and empowered them to raise the necessary funds by taxation, whilst the cost of additional trained teachers and inspecting staff was to be met by the Imperial and Provincial Governments. The discussion on the constitutional reforms and proposed grant of administrative and financial devolution and of enlarged powers to local bodies rendered it impossible to proceed with this scheme, but the Government of India, says the Circular, now deprecates further postponement of action. It lays its proposals of 1917 before Local Governments and directs their attention to the opportunities that will be afforded them by the large powers to be given to local bodies and Legislative Councils; also to the incentive to extend education supplied by the expansion of the franchise, and to the fact that, if Local Governments will now have to finance such extension themselves, they will have much larger resources. It recognizes that the rate of progress is bound to vary in different provinces, and that a uniform system need not be adopted. Accordingly it calls on Local Governments to formulate for themselves schemes which may lead to the attainment of the objective of 1913.

"In India," writes the editor of the *Mysore University Magazine* (II, 5), "we scarcely know what vocational education means." Young Indians flock to examinations; those who fail are discontented,

Education—
to what?

and those who succeed must often swell the number of "unemployed literates" who form a problem or a danger for the State. The existence of this intellectual proletariat is deplored in the Report on Indian Constitutional Reforms (Par. 182). We remark incidentally that Egypt is also yielding its crop of baffled scribes; for at the last Secondary Certificate Examinations 65 per cent. of the candidates in the Higher Division failed and 81 per cent. in the Lower. In India the cry is "Still they come!" At the first B.A. Examination in Mysore University, for example, of seventy-six candidates only forty were successful; whilst of 407 who presented themselves for the Entrance Examination 269 failed! Even those who have graduated will find that the Bachelor's degree is no more a key to riches in India than in England.

The Montagu-Chelmsford Report just cited indicates as a grievance of India the lack of technical and professional instruction in colleges. But the root of the evil is in the schools, where the application of Vocationalism is imperatively required. The

Vocationalism
needed in the
Schools.

talk is all of co-ordinating primary education with secondary and secondary with the University. Yet at least 90 per cent. of the children will never enter a University. It is as if the Greeks had trained all their children to contend in the Olympic games! The school should discover for every pupil a fit vocation, and divert early from the pen those who are apt only for the plough.

Travancore—where, by the way, there is a movement for the creation of a local University—is reported

In Travancore.

(*Wealth of India*, VII, 8) to be taking steps in the right direction. In order to turn the course of studies in the elementary schools from a purely literary into industrial and practical channels, provision has been made experimentally in six departmental higher grade elementary schools for teaching some craft or industry of local importance. If the practical turn thus given to elementary education proves a success, the scheme will be gradually extended. Instruction in commercial subjects is said to have been introduced in two private higher grade secondary schools. Besides the Weaving Institute, Nagercoil, and the Carpentry School, Quilon, both of which are departmental technical institutions doing good work, there were eight aided and nine unaided industrial schools in the State during the past year. If the example of Travancore were followed generally throughout India economic prosperity would come as a remedy for discontent. The University could supply teachers and counsel, without fostering unduly the pernicious breed of "examinees."

CAPE OF GOOD HOPE.

The Report of the Acting Superintendent-General just received deals with the year ending September 1916, its completion having been delayed by local circumstances. It indicates progress, "not sensational, but steady." The number of schools

The Report for 1916: Teachers' Limitations. grew during the year reviewed by 90 for white pupils and by 55 for non-European; the total enrolment at the end of it was 254,062 (of whom 111,067 were European pupils), an increase of 11,082. At the annual inspections of the schools an individual examination of the pupils, both oral and written, is conducted by the inspection. The percentage of the teachers (9,743) under the Education Department uncertificated, whilst lower than in 1915, was still unduly high. The pupil-teacher system is still the main source of supply. The Examination Reports for 1917 (*Education Gazette*, XVIII, 4) show that candidates for the teacher's office have their limitations in respect of knowledge and intelligence at the Cape of Good Hope as well as in England; to which fact the following statements made in the Second Class Teachers' Certificate Examination bear witness. "The Society of Jesus was a haven of rest for those who were worn out with study." "Pestalozzi was a Simple Simon with all his spasms of theory." "It is only gradually that the fishers of the brain multiply and enlarge." "Every school must have a laboratory where the pupils may wash their hands." Yet one sentence condemned by the examiners seems to us fraught with wise admonition for pupil teachers: "During the adolescent period the teacher must not be an irritating mosquito."

The *Education Gazette* (XVIII, 6), writing on School Management, lays down that direct communications from assistant teachers to the School Committee, or vice versa, should not be made; that all

Loyalty.

communications should pass through the hands of the principal; and that assistant teachers should never discuss with any member of a Committee or of the outside public the real or imagined shortcomings of their chief. Loyalty to the head master is imperative in the interest of the school and, indeed, of education. But we have known cases in which a head master, having left a school, has railed at it, as if the loyalty of his colleagues had been a personal tribute to himself and none were required from him.

SUDAN.

The Report of the Gordon Memorial College, Khartum, shows that in spite of adverse conditions and depleted staffs the work of the College, both in education and in research, is proceeding satisfactorily.

Gordon
College.

The Boy Scout movement has been introduced. Four Kadis, the first who have been through the primary school before entering the Kadis' Section, have been recommended for appointment in the Sharia Courts. Through the impulse of the Gordon College elementary vernacular education is spreading rapidly over all the land. Valuable research work has been done in bacteriology and entomology. Of all these things it is pleasant to read. But is Gordon the only soldier to be commemorated in the Sudan? It is proposed to erect a medical school in Khartum as a memorial to Lord Kitchener. The native response to an appeal for subscriptions has been remarkable; and, poor as the country is, £9,000 has already been collected.

ARGENTINE REPUBLIC.

In July we published, on what we deemed to be good authority, a short paragraph on Boy Scouts in the Argentine Republic. Mr. J. E. Green writes from

Of Boy Scouts.

Buenos Aires, in reference to it, that the organization is confined almost exclusively to that city; and that the long excursions we mentioned are mythical. There seems to be some opposition between native and English Scouts. The essential fact is that Scouting has reached the Argentine, where we hope that the movement will make progress, unimpeded by local jealousies.

H.R.H. PRINCESS LOUISE, DUCHESS OF ARGYLL, has consented to become the Patroness of the Central School of Speech Training and Dramatic Art. The school, which returned to its old quarters at the Royal Albert Hall after Christmas, has secured the services of Dr. W. A. Aikin as Lecturer in Voice Training. Dr. Aikin will do daily practical work at the school during the coming term.

THE Cambridge Training College for Schoolmasters will reopen on January 14, on the four years' course (of three years' University training, followed by one year of professional training).

DENT'S EDUCATIONAL PUBLICATIONS

Comparative Education. A Study of the Educational Systems of Six Representative Countries.

Edited by PETER SANDIFORD, M.A., Associate Professor of Education in the University of Toronto.
Demy 8vo, cloth. **8s. 6d. net.**

This important volume contains chapters on: United States, Germany, England, France, Canada, Denmark.

Times.—"Dr. Sandiford has produced a really useful book."

Athenæum.—"A valuable contribution to contemporary educational literature."

French Prose: From Calvin to Anatole France

Edited by W. G. RITCHIE, M.A., and JAMES M. MOORE, M.A. Crown 8vo. **4s. 6d. net.**

Represents French Prose at its best. Suitable for upper forms and University students.

The New Testament for Schools

Arranged and Edited by Canon MORLEY STEVENSON,
M.A., and C. W. BAILEY, M.A.

Crown 8vo. **3s. 6d. net.**

The natural companion to "The Old Testament for Schools."

How to Read the Bible in the 20th Century.

By SOPHIE BRYANT, D.Sc., Litt.D., formerly Head
Mistress of the North London Collegiate School.

Crown 8vo. **3s. 6d. net.**

For teachers and pupils in Secondary Schools as well as for the home and Sunday School of the modern type.

DENT'S MODERN FRENCH BOOKS

A Rapid French Course. By RANDALL WILLIAMS and WALTER RIPMAN. Illustrated. Crown 8vo. Cloth. **3s. net.**

La France. By G. GUIBILLON. Illustrated. Crown 8vo. Cloth. **3s. net.** A book on French life and ways.

First Steps in French. By WALTER RIPMAN. **2s. 6d.**

Further Steps in French. By WALTER RIPMAN. **2s. 6d.**

Dent's First French Book. By S. ALGE and W. RIPMAN. **2s. 6d.**

Dent's Second French Book. By S. ALGE and W. RIPMAN. **2s. 9d.**

The Best French Prose. Six Vols. Limp Cloth. Each, **5d. net.**

The Best French Poetry. Six Vols. Limp Cloth. Each, **5d. net.**

Dent's Short French Readers. With Reform Exercises. For Second, Third, and Fourth Years. Limp Cloth. Prices—**5d., 5d., and 8d. each.**

DENT'S MODERN ENGLISH BOOKS

An English Pronouncing Dictionary. By DANIEL JONES, M.A. Demy 8vo. Cloth. **7s. 6d. net.**
Based on the system of the International Phonetic Association.

Story Tellers' Hall. A Literary Reader for Junior Forms. Edited by Dr. RICHARD WILSON. **2s. 3d. net.**

Treasure Trove. A Literary Reader for Middle Forms. By the same Editor. **2s. 3d. net.**

Coronata. A Book of Poems. By the same Editor. **3s. 3d. net.**

Composition through Reading. By F. PICKLES, M.A. The Direct Method of Teaching English.

INTRODUCTORY BOOK for Junior Forms. **1s. 9d. net.**

BOOK I for Lower Middle Forms. **1s. 9d. net.**

BOOK II for Upper Middle Forms. **2s. net.**

THE TEMPLE POETRY BOOKS. A new graduated collection for Preparatory Schools and Lower Forms. In Eight Parts. Limp Cloth, **7d. each.**

This Series has been carefully designed to inculcate some of the higher lessons of the War, and contains many copyright pieces, including verses by Rupert Brooke, E. Wyndham Tennant, Emile Cammaerts, Sir Henry Newbolt, and other well-known writers of the present day. Each book contains 72 pages in large type, with Four Coloured Plates and several Line Illustrations.

DENT'S MODERN GEOGRAPHY BOOKS

HISTORICAL AND ECONOMIC GEOGRAPHY. By HORACE PIGGOTT, M.A., Ph.D., and ROBERT J. FINCH, F.R.G.S. With numerous Maps, Diagrams, and Pictures. Two volumes have already appeared in this series, viz: **WORLD STUDIES** (a complete general survey) and **NORTH AMERICA**, with special reference to the United States. Other volumes are in preparation.

J. M. DENT & SONS, LTD.,
ALDINE HOUSE, BEDFORD STREET, W.C.2.

UNIVERSITIES AND SCHOOLS.

WALES.

The half-yearly meeting of the Board was held on December 12 at Hereford. The work was chiefly routine in character and no question of policy or of public interest was discussed. The Board for some inscrutable reason are still hesitating about making a formal application to the Examinations Council for the recognition of their examinations as Approved Examinations, and some members seem more inclined to set up unsubstantial bogies than to proceed with the work of co-ordinating the examinations. Even on such a comparatively trivial question of policy as this, the time of the Board was taken up in discussing questions of autonomy and the necessity of safeguarding it, as if they suspected some insidious action on the part of the Board of Education in the proposal that Wales should join in the scheme. The Board, it should be stated, have in no way tried to influence the Central Welsh Board, and therefore it is incomprehensible why a section of the latter should exhibit this nervousness or adopt obstructive tactics. The head masters and head mistresses, at their annual meeting at Shrewsbury, passed a strong resolution in favour of the suggestion, and this opinion should have removed from the minds of doubtful persons any feeling of anxiety as to the position of the Board. However, it is practically certain that an application will be made for recognition.

At the close of the business session, a second session was held to discuss the reports on Music and Art in the Welsh Intermediate schools. The report on Music was drawn up by Dr. D. Vaughan Thomas, as the result of his inspection of a certain number of schools, and it contained several suggestive recommendations. As an expert, of course, he has a tendency to lay great stress on the development of singing in the schools, but his report suffers from the common fault of all specialists' reports that no guidance is given to a harassed head master as to how he is to construct a time-table which will enable their suggestions to be put into practice. Mr. A. Lyon, Head Master of Hawarden School and an expert and enthusiastic musician, led the discussion in a rather critical speech. He paid a high

compliment to the capabilities of Welsh boys and girls, and went so far as to say that, under proper training, there was no piece of music which they could not sing in a thoroughly satisfactory manner. He has no doubt as to the native genius for music, which is only awaiting an opportunity for its full development. He strongly dissented from the views of Dr. Lloyd Williams as expressed before the University Commission, whose acquaintance with the work of the schools was so meagre that he had no means of forming an opinion about it. Dr. David Evans, the Examiner in Music under the Central Welsh Board, together with Dr. Vaughan Thomas, continued the discussion. The specialist inspector in Art was Mr. Fred Richards, and he has published a valuable report. The question of art teaching is of national importance, and therefore the responsibility for the art teaching of the youth of Wales must be upon the whole system of Welsh education—not only upon the teachers, but upon the educational authorities who control and the citizens who provide the funds. At present art in Wales has been relegated to two or three art schools and to one or two picture galleries—to live a short life in the one, or die a lingering death in the other. It has received little or no encouragement from educationists. With this gloomy view of the position of art before him, Mr. Richards has interesting suggestions for raising it to its rightful position among the subjects in the curriculum of the intermediate school; and he insists vigorously on the importance of art in any properly correlated scheme of study. The first and foremost duty is to provide well trained teachers to direct and guide the pupils; scholarships and bursaries must be offered to divert the splendid talent of the youth of the Principality in the direction of arts and crafts; a proper art-room should be provided; and there are other useful suggestions which will appeal to all who are interested in art teaching. Whether Wales is as backward in this subject as the report indicates or not—and it should be said that the conclusions in this report are not altogether agreed to—there is no doubt that Mr. Richards has succeeded in drawing up a stimulating and original document.

Miss Vivian, Head Mistress of Newport Girls' School, was elected a member of the Executive Committee of the Central Welsh Board.

From the statistical tables published by the Central Welsh

(Continued on page 44.)

Compositions for Violin and Piano.

By ALBERT SAMMONS.

Abbreviations:—(a) Easy. (b) Fairly Easy. (c) Rather Difficult.	
Minuet ... (a) 2/-	Pensée Capricieuse ... (c) 2/-
(a) Song without words ... (b) 2/-	Sérénade de Printemps (b) 2/-
(b) Humoresque ... (c) 2/-	Fantasia on Irish Airs (c) 2/-
Bourrée ... (b) 2/-	Aubade ... (a) 2/-
Theme with Variations (in olden style) ... (c) 2/-	Berceuse ... (a) 2/-
Rêve d'Enfant ... (b) 2/-	Bagatelle ... (a) 2/-
Transcription of an Old Welsh Air (The Faithful Bird) ... (a) 2/-	

The Secret of Fine Technique in Violin Playing.

BEING A UNIQUE METHOD OF DAILY PRACTICE FOR SOLOISTS AND ADVANCED PLAYERS.

By ALBERT SAMMONS.

Price 3s., or 3s. 3d. post free.

SONATA in D Minor for Violin and Piano.

By S. COLERIDGE-TAYLOR.

Edited by ALBERT SAMMONS.

Price 5s., or 5s. 4d. post free.

Obtainable of all Music Sellers or direct from the Publishers.

HAWKES & SON,

Denman Street, Piccadilly Circus, London, W. 1.

M^CDOUGALL'S LIST

Shakespeare without Notes. The Greater Plays. Unabridged. Limp Cloth. Particulars on application. Price 6d. net.

Modern Times. The Empire and the World since 1789. A book which enables its readers to realise the inwardness of historical happenings and appreciate their responsibilities as citizens to be. Revised to 1918. Fully Illustrated. 320 pages. 2s. 6d. net.

Mon Petit Camarade Français.

Livre Premier. Par L. LAVALT, Paris; P. LESTUNG, Marseille; et B. DUMVILLE, London. Follows in the main the principles of the New Method. Copiously Illustrated. 272 pages. 2s. net.

A First French Course. Grammar to the end of Regular Verbs, Readings, &c. Paper 9d. Cloth 10d. Second Year. Paper 10d. Cloth 1s.

M^CDougall's Regional Geography of the World. For Junior and Middle Forms. A modern scientific treatment. Many coloured orographical Maps. 224 pages. 2s. net.

M^CDougall's Contour Atlas of the British Isles. 16 pages of Maps, Diagrams, &c. Stiff Boards. 8d. net. Paper Cover, 6d. net.

Full particulars on application to—

M^CDOUGALL'S EDUC. CO., LTD.,
8 FARRINGDON AVENUE, LONDON, E.C. 4.

RECENT AND STANDARD TEXT-BOOKS.

MATHEMATICS.

A First Course in the Calculus. By W. P. MILNE, M.A., D.Sc., Mathematical Master at Clifton College, Bristol, Examiner in Mathematics, University of St. Andrews, and G. J. B. WESTCOTT, M.A., Head Mathematical Master, Bristol Grammar School, formerly Scholar of Queen's College, Oxford, and University Mathematical Exhibitioner. Crown 8vo. 3s. 6d. [Note Ready.]

The first part of this First Course is devoted to the Differential Calculus, with applications to Rates, Maxima and Minima, and Geometry. The second half deals with the processes of Integration in their application to Areas, Volumes, Centres of Gravity, Moments of Inertia, and Centres of Pressure.

Dynamics. By R. C. FAWCETT, M.A., B.Sc., sometime scholar of Christ's College, Cambridge; Head of the Military and Engineering side, Clifton College. Part I, Second Edition, 3s. Part II (now ready), 2s. 6d.

For details of other volumes in this well-known series, edited by Wm. P. Milne, M.A., D.Sc., Clifton College, apply to the publishers.

Messrs. BELL also issue standard text-books of
Arithmetic, Algebra, Geometry, and Trigonometry,
by Messrs. PENDLEBURY, BAKER and
BOURNE, BORCHARDT and PERROTT, &c.
For details and prices please apply to York House.

SCIENCE.

Revised editions of Standard Text-books of Chemistry, by ALEXANDER SMITH, B.Sc. (Edin.), Ph.D., F.R.S.E., Professor of Chemistry and Head of the Department of Chemistry in Columbia University, are now ready as below:—

Introduction to Inorganic Chemistry. 8vo, 35th Thousand. Over 900 pages. 10s. 6d. net.

Experimental Inorganic Chemistry. For use with the above. 69th Thousand. 4s. net.

General Chemistry for Colleges. New Edition, entirely rewritten. Demy 8vo. 672 pages. 9s. net.

A Laboratory Outline of College Chemistry. A new Laboratory Outline for use with the College Chemistry. 4s. net.

Elementary Chemistry for Schools. Adapted by H. A. WOOTTON, M.A., B.Sc., Senior Science Master, Westminster School. Over 400 pages, with numerous Diagrams. 6s. net.

A Laboratory Outline of Elementary Chemistry. Crown 8vo. 2s. 6d. net.

The increased prices now charged for these books are the result of the heavy cost of transport from America, and will be altered so soon as conditions admit.

Inorganic Chemistry. By JAMES WALKER, D.Sc., Ph.D., F.R.S., Professor of Chemistry in the University of Edinburgh. Eleventh Edition, revised and Enlarged. Crown 8vo. 5s. net. (Ready Early in 1919.)

A new edition of the Elementary Chemistry, revised and considerably augmented, covering the ground required by candidates up to and including the matriculation standard.

Inorganic Chemistry for Upper Forms. By PERCY W. OSKROFT, M.A., Uppingham School. 496 pages, with numerous Diagrams. Second Edition. 6s. net.

"The exposition is very clear, and the blend of theory, informative description, and problems, will commend the work to many experienced teachers. . . . The work as a whole appears admirably fitted for its purpose."—*The Journal of Education*.

An Introduction to the Study of Plants. By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., Professor of Botany, East London College, University of London; and E. J. SALISBURY, D.Sc., F.L.S., Lecturer in Botany, East London College. With over 250 Illustrations. Third Edition, revised and augmented. Demy 8vo. 6s. net.

This volume completely covers the London University Matriculation syllabus.

A new advanced volume which, together with the above-mentioned "Introduction," will completely cover the curriculum of the First Year University Course in Botany, and the Syllabus of the Senior or Higher School Examinations of London, Oxford, Cambridge, &c., is now being prepared by Messrs. Fritsch and Salisbury.

"Certainly one of the very best of the elementary textbooks of botany we have seen."—*The Journal of Education*.

SCIENCE.—contd.

Elementary Studies in Plant Life. By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., and E. J. SALISBURY, D.Sc., F.L.S. With over 150 Illustrations. Crown 8vo. Second Edition. 2s. 6d. net.

"It would not be easy to find a book better suited to the needs of junior students."—*Nature*.

Food Gardening. By H. VALENTINE DAVIS, B.Sc., Lecturer in Rural Science and Gardening in the Cheshire County Training College, Crewe. Second Edition, revised and enlarged. 1s. net.

"Vegetable culture has become a very important homecraft in these days, and this little book will be found a useful guide."—*Nature*.

FRENCH.

LATEST PUBLICATIONS.

A Matriculation French Free Composition for Middle and Higher Forms. By F. A. HEDGECOCK, M.A., D. ès L., French Master at University College School, London, and H. LUGNET. On novel lines for Matriculation Standard. Illustrated. Crown 8vo. 2s. 6d. net.

"It is certain that an able teacher, following the most excellent lines laid down in this book, could do a vast amount of practical, thorough, and successful work."—*The Scottish Educational Journal*.

Nouveaux Récits Héroïques. A New War Reader, containing "Les Canadiens Héroïques," "Les Enfants Héroïques de 1914," and "La Guerre des Tanks." Edited by MARC CEPPI. Illustrated by French Artists. With or without Full Vocabulary. 1s. 9d. net.

"There is no doubt that these tales will be read with absorbed interest by all the children who are at all capable of doing so. The last story, 'La Mort du Tank,' is exciting enough for any guide, scout, or cadet."—*Times Educational Supplement*.

Easiest French Reader. By MARC CEPPI, Whitgift School, Croydon. Printed in large, clear type for small children. Illustrated, with exercises. With or without Full Vocabulary. 1s. 6d. net.

"... certainly the easiest reader we have seen. The features that will strike the teacher at once is the continued repetition of the same words, and the extreme simplicity of the language. In spite of this, however, the stories are not dull. There is a useful Questionnaire at the end, exercises, lists of locations, arranged under headings. Finally a Vocabulary."—*The Journal of Education*.

Jean-Robert Flambard, potache. A French Boy at School and in the Field. By M. A. DELANY, Professor au Lycée de Tours. Illustrated. Crown 8vo, 1s. 6d. net; or with Vocabulary and Notes, 2s. net.

"This account of a French lycée is delightful."—*The Journal of Education*.

Filips et Compagnie. By MARC CEPPI. Illustrated Stories of Animal Life. With or without Vocabulary and Questionnaire. 1s. 6d. net.

TWO WAR READERS.

C'est la Guerre! Stories of the Great War. By MARC CEPPI. Fully Illustrated. With or without Vocabulary. Fifth Edition. 1s. 6d. net.

Récits Héroïques. By CHARLES GUYON, Inspecteur d'Académie Honoraire. Edited, with Questionnaire and Vocabulary, by MARC CEPPI. With 16 Illustrations. With or without Vocabulary. Fourth Edition. 1s. 6d. net.

Gasc's French Dictionaries.

New Editions, with Military Supplements.

Gem, 1s. 9d. net.

Pocket, 3s. net.

Concise, 5s. net.

Standard, 12s. 6d. net.

Over 94,000 Sold.

The Direct Method of Teaching French. By D. MACKAY, M.A., of Ayr Academy, N.B., and F. J. CURTIS, Ph.D.

First French Book. With Coloured Frontispiece and 21 Illustrations in the Text. Eighth Edition, revised. 1s. 6d. net.

Second French Book. With 38 Illustrations. Eighth Edition. 2s. net.

G. BELL & SONS, Ltd., York House, Portugal St., W.C.2.

Board we find that the number of pupils at the schools was 18,283, as compared with 16,955 in the year 1916-17, and that there was a substantial increase in each county except in Monmouthshire. The democratic character of the schools is evident from the fact that 16,391 pupils entered them from the elementary schools, though these figures, it should perhaps be explained, do not imply as much as they would do in England, owing to the far wider use of the primary schools in Wales by all grades of society. The percentage of girls who remained in the school above the age of sixteen is just under 16, of boys only about 8½, which is the lowest for several years, and probably directly due to the effect of the war.

At the half-yearly meeting of the University Court, which was held at Chester, the chief business was to consider a series of recommendations drawn up by Sir H. Reichel, with regard to the various Committees which are to control the future University of Wales. In the main the suggestions of the Royal Commission were adopted, though it was agreed to defer the final consideration of their constitution until another meeting. At the same Court Dr. H. Walford Davies was appointed Musical Director, in which capacity he will be responsible for advising the University on the best methods of developing musical education in Wales. He has also just been appointed Professor of Music at the University College of Wales. It will be remembered that this important appointment was made possible by the generosity of the Misses Davies, of Llandinam, who take the keenest interest in music. The University College of Aberystwyth has also just been made the recipient of another gift of £20,000 from Major D. Davies, M.P., and his sisters, towards the foundation of a Chair of International Politics. Major Davies has throughout been a staunch supporter of the principles of the League of Nations, and he has taken this practical method of inculcating them in the minds of the younger generation of Welshmen; and Aberystwyth is also to be congratulated that it is the first of the Colleges to be in a position to embark upon original research bearing upon this important question of international relations.

Lord Kenyon was re-elected Senior Deputy-Chancellor and Major D. Davies as Junior Deputy-Chancellor.

The Right Hon. W. M. Hughes, the Australian Prime Minister, had promised to attend the annual general meeting of this Association at Shrewsbury, but he was unfortunately unable to do so owing to illness. The business was mainly of a routine character, such as the consideration of the Central Welsh Board schedules and examination papers. The address of the President, Miss Davies (Llanelli), dealt with the effects of the war upon the schools, and outlined what she considered to be the lines of progress in the future. In a forcible address she pleaded for a more spiritual atmosphere in the schools, and warned the members against too great a faith in mere materialism. Resolutions of appreciation of Mr. Fisher's great work in Parliament for education were enthusiastically adopted. It was resolved that a Special Committee be appointed to obtain the best possible advice on the erection of artistic school memorials to the masters and boys who have given their lives in this great war. There is a serious danger lest unworthy monuments be set up, and therefore the Association tried to guard against this calamity by acting together to secure the services of some well known authority to guide the members.

Mr. A. Lyon, of Hawarden School, was elected President for 1919, and Miss D'Auvergne, of Welshpool School, to fill the vacancy on the Executive Committee.

SCOTLAND.

President Poincaré, who has for the last four years been Lord Rector of the University, has intimated to Principal Sir Donald MacAlister that he hopes to come to Glasgow before the end of his fifth year of office. Draft Ordinances providing for payments in respect of pensions or allowances for lectures, assistants, &c., and for the foundation of a Chair of Mercantile Law, have been approved by the Senate and the General Council. The University Court and the Senate have also had under consideration a proposal to institute post-graduation courses for medical graduates. Prof. Latta has been elected by the Senate as one of its Assessors on the University Court.

As the result of a conference with the other University Courts and the Privy Council, the Court have agreed to amend their recent Ordinance instituting a degree in Education, to the effect that the title

Aberdeen.

(Continued on page 46.)

Sidgwick & Jackson, Ltd.

The Young Wage-Earner and the Problem of his Education

Essays and Reports edited by **J. J. Findlay**, with the Committee of the Uplands Association. **3s. 6d. net.**

"This valuable book should be read by all who are engaged in the urgent task of preparing for the work of the compulsory continuation schools."—*The Times*.

"This excellent little book."—*The Glasgow Herald*.

An Adventure in Education

By **J. H. Simpson**.

3s. 6d. net.

Child Training : Suggestions for Parents and Teachers

By **Mrs. Arthur H. D. Acland**.

2nd Impression. **3s. 6d. net.**

* * Further volumes of Sidgwick & Jackson's series of books dealing with new aspects of educational questions will be announced shortly.

Poems of To-Day : An Anthology.

15th Impression, 62nd-71st Thousand.

Stiff paper wrappers. **2s. net. Cloth,**

3s. net.

* * The demand for this Anthology of contemporary poetry, prepared by the English Association, is continually extending, and the book is being taken up and recommended by a constantly increasing number of educational bodies.

Modern English Writers : Being a Study of Imaginative Literature, 1890-1914.

By **Harold Williams**, Author of "Two Centuries of the English Novel." Pp. xxx, 504. Demy 8vo, **12s. 6d. net.**

* * A comprehensive account of the work of all the chief writers of the period. The best book of reference for all interested in modern English literature.

"An excellently and often brilliantly written, sane, and refreshing book."—*The Spectator*.

"A careful and very able performance; his criticisms are sound and fearless."—*The Sphere*.

Sidgwick & Jackson, Ltd.,

3 Adam Street, Adelphi, W.C. 2.

Mr. Murray's Recent Books.**AGRICULTURAL SCIENCE.****EDWARDES KER'S CHEMISTRY OF THE GARDEN.**

2s. net.

AULD & KER'S PRACTICAL AGRICULTURAL CHEMISTRY.

6s. net.

FREAM'S AGRICULTURE.

5s. net.

HALL'S SOIL

5s. net.

COMMERCE.**ABBOTT'S COMMERCIAL THEORY AND PRACTICE.**

4s.

WARREN'S COMMERCIAL KNOWLEDGE.

3s. net.

ARMITAGE SMITH'S PRINCIPLES AND METHODS OF TAXATION.

3s. net.

ENGLISH.**MORGAN'S GRAMMAR.**

32nd thousand. 2s.

KITCHENER'S COMPOSITION.

17th thousand. 2s.

O'GRADY'S MATTER, FORM, AND STYLE.

10th thousand. 2s. 6d.

WYLD'S SHORT HISTORY OF ENGLISH.

7s. 6d.

EDMUNDS'S STORY OF ENGLISH LITERATURE.

3 vols. 4s. each.

CLASSICS.

By PROFESSORS WALTERS and CONWAY.

DEIGMA.

A First Greek Book. 4s.

ANTE LIMEN.

For younger beginners in Latin. 2s.

LIMEN.

60th thousand. A First Latin Book. 3s.

AD LIMEN.

For more advanced students. 3s.

*Published for the Classical Association.***The Teaching of Latin and Greek.**

1s. net.

The Pronunciation of Latin.

3d., or 2s. for 12 copies.

The Pronunciation of Greek.

3d., or 2s. for 12 copies.

*(WRITE FOR CATALOGUE.)***JOHN MURRAY, 50a ALBEMARLE STREET, W. 1****PITMAN'S****DRAWING and DESIGN****A SCHOOL COURSE IN COMPOSITION**

S. CLEGG.

With a Foreword by Prof. ROTHENSTEIN.

Gives special attention to work in Girls' Schools, is suggestive and stimulating, and contains many beautiful illustrations as well as work of scholars themselves.

10/6

net.

ENGLISH GRAMMAR AND COMPOSITION

W. J. WESTON, M.A., B.Sc.

A book which clothes the dry bones with living flesh, giving interest to the student without sacrificing soundness.

3/-

net.

ENGLISH**FOR TECHNICAL STUDENTS**

F. F. POTTER, M.A., B.Sc.

Points out the pitfalls and shows how to avoid them, giving at the same time many examples of good style.

2/-

net.

EXPERIMENTAL MATHEMATICS

G. R. VINE, B.Sc.

The student is put on the way to finding out for himself, and is gradually led by the working of 700 graduated examples to a sound acquaintance with mathematical principles. In two books.

1/-

net each.

IN THE OPEN AIR

J. EATON FEASEY.

Describing how lessons in Arithmetic, Geometry, Mensuration, &c., can be taken with advantage out of doors. Points the way in an up-to-date method.

1/9

net.

HOME ARITHMETIC

Mrs. K. ROSS.

A combination of Home Management and Arithmetic, with a special chapter on The Medicine Cupboard, by Meredith Young, M.D. Will give girls an interest in Arithmetic.

7d.

WRITE FOR

CATALOGUES AND LEAFLETS TO

LONDON: 1 AMEN CORNER, E.C. 4

SIR ISAAC PITMAN & SONS, LTD.

of the degree shall be Bachelor of Education, instead of Master of Education, as originally intended. The Rev. R. H. Calder, Minister of Glenlivet, Banffshire, has given to the University a sum of £250 to found a prize for English (including Scottish) verse, to be called the Calder Prize for English or Scottish Verse. The value of the prize is £35. It is to be offered for competition every third year, and it is open to students matriculated in the academical year of the award.

The University has suffered a severe loss through the death, after a very short illness, of Dr. P. Hume Brown, Professor of Ancient (Scottish) History and Palæography. He was elected to the Chair on its foundation in 1901, and in 1908 he was appointed Historiographer Royal for Scotland. His work as a professor was of a very high order. He made his Chair a centre of palæographic studies in the old texts of history, and many of his pupils have done him honour in works of their own. His published work consisted of an almost continuous series of valuable books on Scottish History, including his edition of the Privy Council Register, in sixteen large volumes of national, governmental, and legal annals and archives. He also did important service to the Carnegie Trust in connexion with the work of its Fellows and scholars in Scottish historical and literary research. Prof. Hume Brown has bequeathed to the University all his books and facsimiles dealing with palæography, and also a sum of £1,500, for the institution of a prize in connexion with the subject of Scottish History, which is to be open by competition to students of the Scottish Universities and is to be awarded annually.

In June last the Glasgow Branch of the Educational Institute adopted a motion proposing that, to meet the present cost of living, no salary should be less than £140 and that teachers on retirement should have their retiring allowance raised to at least £140. It was also resolved that all teachers should receive an immediate increase of £50, and that the scale should proceed thereafter by annual increments of 10s. a week to £350 a year. These proposals were submitted to the Glasgow School Board, which after long delay have adopted by a majority the following motion:—"That a bonus, revisable every six months, at the rate

of £35 per annum be paid to all whole-time service men teachers at or below a salary of £245 per annum, and to all such women teachers at or below a salary of £195, provided that the day-school emoluments from salary and bonus combined shall not exceed, in the case of men, £250 per annum, and in the case of women £200 per annum. The Board also resolved to ask the Treasury to provide 50 per cent. of the bonus.

IRELAND.

The Redistribution Act, so far from reducing the number of Irish representatives in Parliament, increased them by two, from 103 to 105. The two extra members are returned one each by the new Universities—the National University, consisting of three constituent colleges in Dublin, Cork, and Galway; and the Queen's University, Belfast. Dublin University retains its privilege of returning two members. In all three Universities there were contests, the results of which will be known before the New Year has come. For Dublin University there are four candidates, three Unionists and one Nationalist. The last is personally perhaps the most interesting. The son of the late Dr. Gwynn, Regius Professor of Divinity, Mr. Stephen Gwynn, although three of his brothers have been Fellows, is not himself an *alumnus* of Trinity College, Dublin, but a graduate of Oxford. He sat in the last Parliament for Galway, and not only has in person fought in the war, but has done his best to persuade his countrymen to contribute their fair share of the fighting forces at the Front. He remains a Home Ruler, but to meet the present difficulty proposes four Local Councils with a Central Parliament in Dublin. Of the other three candidates, one is the old member, Mr. A. W. Samuels, the Attorney-General, and the others are Mr. H. Jellett, K.C., and the celebrated surgeon and throat specialist, Sir R. Woods. Sir E. Carson, who represented Trinity for nearly thirty years, has put up for a seat in Belfast. For the National University and the Queen's University the contest is between two candidates—in the National, between a Nationalist, Dr. A. W. Conway, F.R.S., Professor of Physics,

(Continued on page 48.)

MANCHESTER UNIVERSITY PRESS.

BOOKS FOR SCHOOL AND COLLEGE USE.

SELECTED LETTERS OF MADAME DE SÉVIGNÉ. Edited by Professor A. T. BAKER, M.A., Ph.D. 3s. 6d. net. [French Series for Schools.]

Corneille. LE CID. Edited by J. MARKS, M.A. 3s. 6d. net. [French Series for Schools.]

Molière. L'AVARE. Edited by Professor A. T. BAKER, M.A., Ph.D. 3s. net. [French Series for Schools.]

"This is the best school edition of any play by Molière that we know of."—*The School World*.
"Worthy of English scholarship at its best."—*Modern Language Teaching*.

SOUND AND SYMBOL. An Outline of a Scheme of Instruction, introductory to School Courses in Modern Languages, Shorthand, &c. By Professor J. J. FINDLAY, M.A., with W. H. BRUFORD, M.A. 1s. net.

Pushkin. EUGENE ONEGIN. A Plain Text in Russian. 3s. 6d. net.

PATIENCE: A West Midland Poem of the Fourteenth Century. Edited by H. BATESON, B.A. Second Edition. 5s. net.

GENERAL EDUCATIONAL BOOKS.

MANCHESTER AND THE MOVEMENT FOR NATIONAL ELEMENTARY EDUCATION, 1800-1870. By S. E. MALTBY, M.A., M.Ed. Demy 8vo. 10s. 6d. net. [Manchester University Educational Series.]

"Mr. Maltby has performed an excellent piece of detailed work. . . . This excellent book. . . . It is a fine story of the efforts of many men of conflicting ideals."—*Times Educational Supplement*.

THE UNIVERSITY PRESS, 12 LIME GROVE, OXFORD ROAD, MANCHESTER. LONGMANS, GREEN, AND CO., LONDON, NEW YORK, BOMBAY, &c., &c.

Rousseau. DU CONTRAT SOCIAL. Edited by Emeritus Professor C. E. VAUGHAN, M.A. 5s. net. [Modern Language Texts.]

LE MYSTÈRE D'ADAM. Edited by Professor PAUL STUDER, M.A., D.Lit. 4s. 6d. net. [Modern Language Texts.]

Goethe. TORQUATO TASSO. Edited by Professor J. G. ROBERTSON, M.A., Ph.D. 5s. net. [Modern Language Texts.]

Alfred de Vigny. POÈMES CHOISIS. Edited by E. ALLISON PEERS, M.A., Felsted School, Essex. 3s. 6d. net. [Modern Language Texts.]

Edward Young. CONJECTURES ON ORIGINAL COMPOSITION. Edited by Professor EDITH MORLEY, M.A. 4s. 6d. net. [Modern Language Texts.]

RUSSIAN COMMERCIAL CORRESPONDENCE: Letters, Idioms, Grammatical Notes, and Full Vocabulary. By A. S. MINDEL, B.Com., Lecturer in Russian in the University of Manchester. 3s. 6d. net.

CONTINUATION SCHOOLS IN ENGLAND AND ELSEWHERE. Their Place in the Educational System of an Industrial and Commercial State. By MICHAEL E. SADLER, C.B., M.A., LL.D., Vice-Chancellor of the University of Leeds. 8s. 6d. net. [Manchester University Educational Series.]

SLOT WEIGHTS

FOR THE

Mechanics Laboratory

Raw material is now available, and we shall shortly be able to supply large quantities in both English and Metric denominations.

Slot Weights from one-hundredth pound to one hundred pounds and from five grams to fifty kilograms.

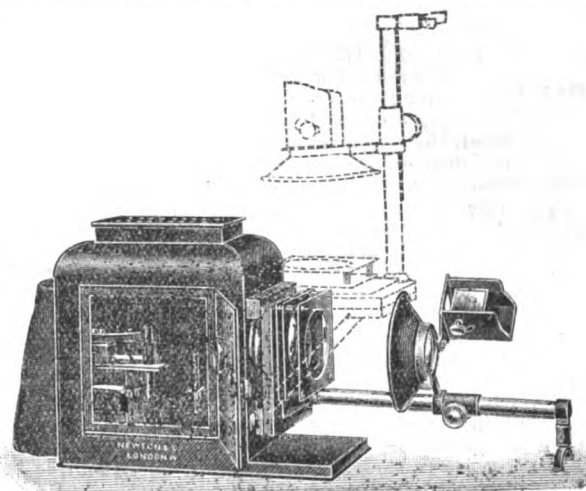
Weight Hangers to suit.

G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.

OPTICAL LANTERNS AND SLIDES

for use in

COLLEGES, SCHOOLS, and other EDUCATIONAL INSTITUTIONS.



SCIENCE LANTERNS for LECTURES and DEMONSTRATIONS.

NEWTON & CO.

(Established over 200 years),

72 WIGMORE STREET, LONDON, W.1.

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 65 South Molton Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
65 South Molton Street, LONDON, W.1.

ESTABLISHED 1880.

A. GALLenkAMP

—& Co., Ltd.—

19-21 SUN STREET,
FINSBURY SQUARE,
LONDON, - - - E.C. 2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—

H. G. JARROM
J. DAVIES
F. DIXON

We are now manufacturing **VOLUMETRIC APPARATUS** in the three following Grades:—

1. For General School and Commercial Analyses.
2. For extra accurate Commercial Analyses, with or without National Physical Laboratory Class "B" mark.
3. Instruments of highest accuracy for Research Work with National Physical Laboratory Class "A" mark, with or without Certificate.

"They are well-made articles, and appear to be quite as suitable for laboratory work as the apparatus formerly obtained."—NATURE.

List post free.

Telephone—LONDON WALL 1404 & 1405.

Telegrams—"GALLenkAMP, FINSQUARE, LONDON."

and a Sinn Féiner, Mr. J. MacNeill, Professor of Irish; in the Belfast University, between a Unionist, Sir Wm. Whitla, Professor of Medicine, and a Sinn Féiner, Mr. S. Dolan, for some years a teacher in the Christian Brothers' Schools, Belfast. It is not without importance that several of these candidates have in their election addresses called attention to the needs of Irish education. For example, Dr. Conway says: "The inadequate provision for primary and secondary education in Ireland and the unsatisfactory status and remuneration of the teachers demand immediate reform."

It is good to see the claims of education brought prominently forward. The two Commissions which are still sitting to deal with the salaries of primary education and the reform of secondary education will shortly have completed their labours. Appointed considerably later than similar committees in England and Scotland, they have also taken longer to consider the questions submitted to them. This is but natural, as the Irish problems are more difficult and complicated, and the organization of Irish education has fallen much behind that of the sister countries and will accordingly require more sweeping reform. The Committee on Intermediate Education has had twenty-two sittings and has adjourned till January, when it is likely to consider its report. The English and Scotch reports were followed by Acts of Parliament which were passed with little difficulty. One of the first things, therefore, in the new Parliament should be an Act dealing with Irish education, which should enable it to be brought up to date and should abolish for good that ancient relic, the payment of grants on the results of individual examinations. It would be easy to suggest other reforms, but it will be better to await the report.

Meanwhile Ulster, whether for electioneering purposes merely or in sheer earnest, has struck out a line of its own. A demand has been made that it should be separate from the rest of Ireland, and in education, among other things, should go its own way and assimilate itself to England. In education this will mean having a local rate and local control. In other words, the schools would be put under the Local Authorities. An influential deputation has waited on the Corporation in Belfast and pressed this reform upon the City Fathers. It is stated that there is a deficiency of accommodation for 15,000 children in primary schools, while many of the existing schools are in an insanitary condition, Belfast having increased rapidly and its population having quite outgrown the present schools. The estimated cost of new buildings is £150,000. It was not to be expected that this demand would pass without opposition and the Roman Catholic Bishop has entered an emphatic protest. He foresees the shadow of undenominationalism. Whether with justice or not, it is not possible to say at this point, but it is only fair to add that in Belfast it is not the Roman Catholic schools of which complaint is made that they are insufficient in number or inadequate in equipment. The claim made in Belfast is, however, a warning to the Government to tackle the whole question in such a way as to give no reason for complaint on religious grounds. Whatever the case in England and Scotland, where the population is predominantly Protestant, in Ireland no solution will be feasible which ignores the general desire of practically all classes for denominational education.

The Report of the Intermediate Education Board for the year 1917 has been published. It contains summaries of the numbers of students examined and passed in June 1917, with details of the various subjects, the number of prizes and exhibitions awarded in the different grades, and the accounts of the Board for the year ending in December 1917. Administration cost £8,000, inspection £5,000, examinations £14,000, rewards £6,000, and the school grant £51,000. The total income of the Board was £85,000. These accounts do not include the Birrell grant (£40,000), the Duke grant (£50,000, which was not paid until 1918), nor the Science and Art grant (£30,000). The most important part of the Report is on page 6, where the Board state their views on the requirements of secondary education as follows:—"In their Report for 1916 the Board outlined the steps which, in their opinion, ought to be taken in order to remodel the system administered by them. At the same time they drew attention to the inadequacy of the funds placed at their disposal, and emphasized the claim of Ireland to a large increase in the sums devoted to secondary education. To carry out the scheme outlined by the Board would involve legislation. They wish again to call attention to their Report for 1916, and to urge that the powers

(Continued on page 50.)

TUITION BY POST.

Practical Training in

SHORTHAND,

BOOK-KEEPING AND ACCOUNTANCY,

COMMERCIAL PRACTICE, BANKING,

ADVERTISING, COMMERCIAL LAW.

PITMAN'S POSTAL COURSES are admirably adapted for teachers who are unable to take advantage of the ordinary facilities for receiving oral instruction, but desire to qualify in commercial subjects. Each lesson is a full exposition of that part of the subject covered. One course, or any group, may be commenced at any time, and from any stage of present knowledge.

Write for details, stating the subjects in which you are interested.

Pitman's School
BUSINESS SECRETARIAL & CIVIL SERVICE TRAINING

The Leading Teachers' Training Centres in the Kingdom for Commercial Subjects.

Principal: FREDERICK HEELIS.

169 SOUTHAMPTON ROW, LONDON, W.C.1.

Seven London Branch Schools, and at Bristol.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental Apparatus Parts and Materials.

Lenses, Achromatic or Plain, Prisms, Mirrors, and Optical Goods.

Best Make, Second-hand P.O. and other Galvanometers, Relays, Electric, and Optical Instruments at ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings for the Student of Science.

Telephones, Batteries, Morse Keys, and every aid for Radio and Telegraphic Experiments.

Our Celebrated Wimshurst Machines.

War-time List 2 stamps. Second Hand Apparatus List 1 stamp. Call or write for information. (H. J. DALE has had fifty years' experience.)

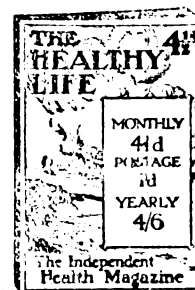
SCIENTIFIC APPLIANCES,

11 & 29 Sicilian Avenue, Bloomsbury Square, London, W.C.1.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

Send 5½d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W.1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of **Uniforms, Head-dresses, Accoutrements, Laces, and Embroidery for Officers and Rank and File.**

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Arnilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	...	net 6/-
THE GIRLS SCHOOL YEAR BOOK	...	" 6/-
THE SCHOOLMASTERS YEAR BOOK	...	" 15/-
THE DIRECTORY OF WOMEN TEACHERS	...	" 10/6
H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd., 31 Museum Street, LONDON, W.C.1.		

DRILL SHOES as supplied to the Secondary Schools in London and the Provinces.

Canvas uppers, rubber goloshed, "FIBROID" soles: will outwear three pairs of rubber ones. WEAR GUARANTEED. 10's to 1's, 4s. 11d.; 2's to 5's, 5s. 11d.; 6's and 7's, 6s. 9d. Special terms for quantities.

MADDOCK & SON, SHOE MAKERS, SPORTS

272 FULHAM ROAD, LONDON, S.W.10.

When writing, please mention this paper.

LOVELY HAIR

assured by the **Henna Cult of HAIR BEAUTY.**

Write for booklet, post free from

MAISON J. E. CHAVENTRÉ, 289 Oxford Street, London, W.1.



MURBY'S NEW SCRIPTURE MANUALS.

SCHOOL COMMENTARIES BY DR. KNAPP.

"Have now won a place for themselves in the new school commentaries."
—*The Journal of Education.*

LARGER Manuals.

ST. MATTHEW	...	net 2/6
(publication postponed)		
ST. MARK	...	3/-
ST. LUKE	...	3/-
THE ACTS	...	3/-

SMALLER Manuals.

ST. MATTHEW	...	net 1/6
ST. MARK	...	1/6
ST. LUKE	...	1/6
THE ACTS: Vol. I (i-xvi)	...	1/6
* Vol. II (xvii-xxviii)	...	1/6

By Dr. G. W. WADE & Rev. J. H. WADE.

II SAMUEL	...	net 3/6
II SAMUEL	...	net 1/6

The above two new series of Scripture Manuals meet the needs of candidates for the "Local" Examinations.

MURBY'S NEW SCIENCE SERIES.

For Technical and Secondary Schools.

Brief explanation; supplementary to the teacher's work; provides numerous well selected examples for the student to work.

Two New Books by A. RISDON PALMER, B.Sc., B.A.,

Head of the Matriculation Dept., the Polytechnic, W.

Magnetic Measurements and Experiments.

With Answers, 1s. 6d. net.

Electrical Experiments. Details are given as to Apparatus and the method of procedure and the setting out of results. 1s. 6d. net.

Revised by the same author. 1s. 6d. net.

Hobbs' Arithmetic of Electrical Measurements.

GEOLOGY.

Send for Murby's Lists of books on Geology, Collections of Minerals, and Mineral Sections for the Microscope.

Rutley's Mineralogy. Thoroughly revised by H. H. READ, A.R.C.S., B.Sc. Hons., F.G.S. New Edition. 6s. net.

"The greatness of Rutley is restored."—*Mining Magazine*, Feb. 1916.

Minerals and the Microscope. An Introduction to the Study of Petrology. By H. G. SMITH, A.R.C.S., B.Sc., F.G.S. 3s. 6d. net.

Geological Excursions Round London. By G. MACDONALD DAVIES, B.Sc., F.G.S. 3s. 6d. net.

History made Easy: An epitome of English History intended especially for the Public Examinations. By J. GIBSON, M.A. New Edition. 1s. 6d. net.

The Mind at Work. A Textbook of Applied Psychology. Edited by GEOFFREY RHODES. 3s. 6d. net.

English Composition Simplified. By J. LOGAN. 1s. 6d. net.

Price 1s.

DURHAM UNIVERSITY JOURNAL:

A Quarterly Magazine of

LITERATURE AND EDUCATION.

The oldest University Periodical in the United Kingdom.

FOUNDED 1876.

THOMAS MURBY & CO., 6 Bouverie Street, London, E.C.4.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED.

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

JOHN DAVIS (Successor to THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.



necessary to carry out a really efficient system of secondary education should be given to the responsible secondary authority. With reference to the question of funds, the Board urged the necessity of granting Ireland's proportionate share of the new grants which were then about to be made for secondary education in England. This demand has been met so far by a grant of £50,000, which is to be distributed in accordance with rules made by your Excellency. The Board understand that these rules will secure the distribution of the grant as a capitation grant based upon inspection rather than upon the results of examination. Such rules, together with the Intermediate Education (Ireland) Act, 1913, which gave powers to use inspection as the basis for paying grants within a limited amount in respect of children between the ages of twelve and fourteen, are undoubtedly a considerable step in the right direction; but they do not fully meet the desire of the Board for a complete recasting of the whole system administered by them."

Trinity College, Dublin, has within a year lost three of its Fellows. Last month we referred to the deaths of Prof. Kelleher and Major Stewart, who were both mathematicians. Now influenza has been responsible for the death of Mr. J. I. Beare, one of its most distinguished classical scholars. He was at one time Professor of Moral Philosophy and afterwards Regius Professor of Greek. A man of retiring disposition, he did not often come before the public, but on the occasions on which he did so, notably in his address on "Plato and Poetry" as President of the Classical Association of Ireland in 1916, he attracted attention by the beauty and sincerity of his thought, the refinement and nobility of his diction, and the breadth and soundness of his scholarship. He published one important book on "Elementary Greek Cognition" and has left another in MSS., practically complete, on "Plato."

The latest number of the *Journal of the Department of Agriculture and Technical Instruction* contains some articles of more than usual interest for teachers. There is a full report of the annual meeting of the Council of Agriculture with the Vice-President's address, and in addition there is a fully illustrated article on "Technical Instruction in Tralee," by H. O. Armstrong, the sixteenth of the series, together with official documents of technical instruction.

TO A PHILOSOPHER.

WE think to die is grievous,
Although to live be vain,
And other fates bereave us
With greater pain.

Though cares and jealous voices
And fears and selfish ends
May wreck who now rejoices
In love and friends,

Yet little seems ill fortune,
If life itself remain,
And few would death importune
As dearest gain.

Ah, why?—Because the shadows
Hang yonder terribly;
The mild Elysian meadows
Are hard to see.

And if some echo reach us
Of fairer realms beyond,
And priest and seer preach us
Our fears are fond;

Still lives most worn and weary
Have gleams of sun between,
When blind and blank and dreary
Seems the Unseen.

Yes, they, my friend, are wisest
Who walk with steady pace,
And keep, as thou advisest,
A placid face.

Like one who, as he journeys,
Looks up, then reads again
Nor frets how soon his turn is
To leave the train.

F. W. B.

GEOGRAPHY IN EDUCATION.

PHILIPS' HUMAN GEOGRAPHIES.

By JAMES FAIRGRIEVE, M.A.,
and ERNEST YOUNG, B.Sc.

Crown 8vo. with Coloured and Black and White Illustrations.

THIS series of elementary books is just what its names denotes—*human*. Everywhere the human note is predominant and the relation of man to his environment insisted upon. The books are not merely human in the sense that they treat of geography from the human point of view, but also because the kinds of human beings who live in different environments are fully described.

They are human, too, because they take account of the characteristics of the small human beings by whom they will be used. The books are written by men in actual touch with the problem of teaching young children, and they are written in a simple and interesting fashion. They are as logical as a proposition in geometry and almost as interesting as a fairy tale.

The series is distinctly progressive both in difficulty of language and of ideal. The first two volumes deal respectively with child and adult life in certain typical areas. Volumes III–VI cover the world on new and original lines.

The illustrations are new and novel and are specially drawn to suit the purpose of the lesson.

Book I.—CHILDREN FAR AWAY.
*THE LIFE AND DOINGS OF CHILDREN
IN OTHER LANDS.* Price 1s. 6d.

Book II.—HOMES FAR AWAY.
*THE HOMES AND PARENTS OF CHILDREN
IN OTHER LANDS.* Price 1s. 6d.

Book III.—THE BRITISH ISLES. Price 1s. 9d.

Book IV.—THE NEW WORLD. Price 2s.

Book V.—THE OLD WORLD. In preparation.

Book VI.—EUROPE AND BRITAIN. In preparation.

PHILIPS' COMPARATIVE WALL ATLASES.

Edited by J. F. UNSTEAD, M.A., D.Sc.,
and E. G. R. TAYLOR, B.Sc.

Eight Sets—**World Relations, Six Continents, and British Isles.** Maps, singly, mounted to fold and eyeletted, 6s. net each; complete in this form in box, eight Maps, 40s. net, or all on roller to turn over, 36s. net. Also supplied without the Political Maps. Seven Maps, mounted on cloth, dissected, folded, and eyeletted, in thumb case, 32s. 6d. net.

PHILIPS' SYNTHETIC MAPS.

Eight Sets—**The World, Six Continents, British Isles.**
By E. G. R. TAYLOR, B.Sc.

Each Set consists of two Coloured Foundation Maps and eight Transparencies, together with Suggestions for Class Use. The whole in stout Manila case. Demy 4to, 11 by 9 inches. 9d. net per Set.

The Synthetic Maps may also be obtained separately, printed on Cartridge paper, for use as "Hand Maps," price 3d. each net.

PHILIPS' MODERN SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

New Edition, Revised and Enlarged. 80 Plates, containing 142 Maps and Diagrams, with Introductory Letterpress and complete Index. 11 by 9 inches. Cloth boards, price 4s. 6d. net.

PHILIPS' NEW SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

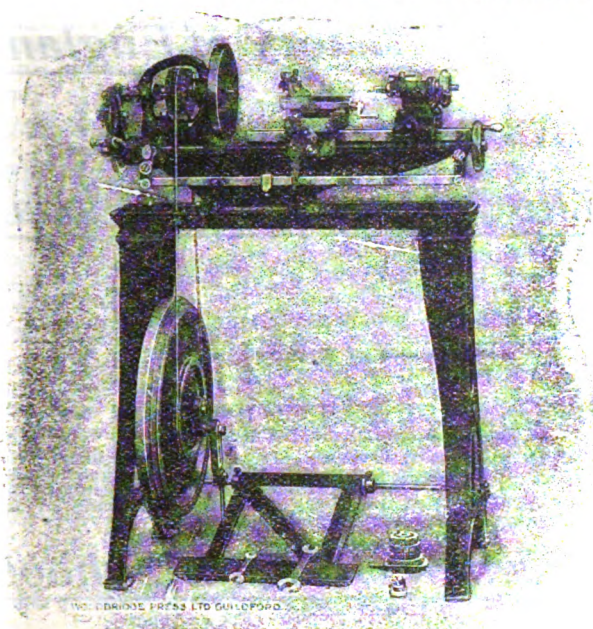
New Edition, Revised and Enlarged. 72 Plates, containing 97 Physical, Political, and Commercial Maps, with Index. Size 9 by 11 inches. Limp cloth, 3s. 6d. net.

Detailed Prospectus of any of the above gratis on application.

GEORGE PHILIP & SON, Ltd., 32 FLEET STREET, LONDON.
PHILIP, SON & NEPHEW, Ltd., South Castle Street, Liverpool.

DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable.
DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable.
The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work



As supplied by the British Admiralty.
Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD.

SCHEME FOR TEACHERS

providing Life Assurance, Capital for purchasing Schools or Partnerships, and Income on Retirement.

THE FRIENDS' PROVIDENT INSTITUTION

having made a special study of Educational Requirements offer an adaptable form of Policy suitable for either men or women.

FREEDOM FROM INCOME TAX
in respect of the amount paid in premiums.

For particulars send a post card, giving date of birth, to:—

**THE LONDON MANAGER,
FRIENDS' PROVIDENT INSTITUTION
17 Gracechurch St., London, E.C.3.**

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 8.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

A BROAD or England. — Doctor's Daughter (19). High-school education (Matriculated). Six months' Secretarial training. Sports (hockey, cricket, tennis). Strong, keen, hard working; loves anything to do with School life except teaching.—N. W. H., HOOPER'S, 13 Regent Street, S.W.1.

NON-RESIDENT position in or near London. Army Captain's Daughter (27). London Matriculation, Senior Oxford (Hons.), English, History, Scripture, Literature, Mathematics, Latin, French, German (acquired abroad), Music.—V. M. D., HOOPER'S, 13 Regent Street, S.W.1.

AS SCHOOL SECRETARY, res. or vis. Officer's Daughter (27). Shorthand writer and Typist; can offer some assistance in teaching. French (acquired France), German (German), Piano (good performer). Referee states: "Alert, intelligent, capable, very obliging and reliable."—S. D., HOOPER'S, 13 Regent Street, S.W.1.

TRAINED, Certificated Teacher. Shorthand, Typewriting, simple Accounts, Filing. Age 29. High-school education. Could also undertake to teach elementary English subjects (if engaged in Boys' School).—J. C., HOOPER'S, 13 Regent Street, S.W.1.

MINISTER'S Daughter (29), Cambridge Higher Local and Cambridge Teacher's Diploma. High-school education, Training Department. History, Geography, Mathematics, elementary Science, French, Latin, Ablett's Drawing.—977 E. HOOPER'S, Educational Agents, 13 Regent Street, S.W.1. Established 1881.

Posts Wanted—continued.

SOLICITOR'S Daughter, Cambridge Senior and Teacher's Diploma. 20 years' experience, 3½ years last engagement. English, Mathematics, Hygiene, Parisian French, Painting, Drawing, Music, Calisthenics. Res. or vis.—993 E. HOOPER'S, 13 Regent Street, S.W.1.

AS LANGUAGE MISTRESS (33). French, German, Italian (acquired in respective countries). Referee states: "Highly educated woman; should be a distinct asset upon the staff of any School or College."—C., HOOPER'S, Educational Agents, 13 Regent Street, S.W.1. Established 1881. Schools recommended and transferred.

AS KINDERGARTEN MISTRESS (28). Higher Froebel Certificate. Three years K.G. Mistress in Secondary School. Warmly recommended. Res. or vis.—M. E. B., HOOPER'S, Educational Agents, 13 Regent Street, S.W.1. Established 1881. Heads of Schools and Colleges invited to make known their requirements. Stamp.

AS MATRON-HOUSEKEEPER (45), 4 years' experience in Boys' College; thoroughly understands all duties. Musical. Warmly recommended.—1093 N. HOOPER'S, 13 Regent Street, S.W.1. Established 1881. Others. Heads of Schools and Families invited to make known their requirements.

PRINCIPAL warmly recommends clever Parisian Lady (30). Diplômée, University Professor's Daughter. Elementary Drawing, Painting, Kindergarten, Needlework. — 750 F. HOOPER'S, 13 Regent Street, S.W.1. Others disengaged. Resident and non-resident lists gratis. Interviews arranged.

AS HOUSEMISTRESS, MATRON, or TEACHER OF DOMESTIC SCIENCE.—First Class Diploma (Cookery, Laundry, Housekeeping, Sick Nursing, Hygiene). Also V.A.D. experience as Superintendent Hospital (300 beds). Understands catering for large numbers. Boys' or Girls' College.—1092 N. HOOPER'S, 13 Regent Street, S.W.1.

Posts Wanted—continued.

JEUNE fille française, bonne éducation, désire entrer dans famille au pair. Ecrire—Mlle LOUISE BLAQUE, 34 rue de la Vilette au Pré-St.-Gervais (Seine), France.

JEUNE fille française désire place pour mars dans famille, pour enseigner français et apprendre anglais. Ecrire—Mlle MERRE, rue de la Grande Ecole, Fécamp (Seine Inférieure), France.

LADY, 35, Registered, Certificated Teacher, desires re-engagement, Resident position, high-class school. Drawing, Painting, Violin. General subjects. Form I.—Mrs. RUSSELL, 15 New Street, Dudley, Worcs.

ITALIAN Gentleman, Florentine, desires post in school or family. Resident or non-resident. Fluent French. Excellent references and Diplomas: Universities of Paris and Florence. Address—U. GARINET, The Hermitage, Roker, Sunderland.

ART MISTRESS, well qualified, experienced, desires appointment in School or Training College. Drawing, Brushwork, Blackboard Drawing, Painting, Needlework, Handicrafts.—SANCRED, Galton Road, Westcliff-on-Sea, Essex.

FRENCH lady (20), Paris diplômée, requires post in London. Musical. One year's experience in a School as French JUNIOR MISTRESS. References.—Mlle. CANTEL, 91 rue la Fayette, Rouen, France.

ART MISTRESS desires visiting engagements, Warwickshire district. Drawing, Painting, Embroidery (Medallist), Leatherwork, etc., A.C.T. Certificate. Address—Miss G. COMLEY, 46, Spencer Avenue, Coventry.

TRAINED experienced Mistress desires Post as FORM MISTRESS, Juniors or Upper Forms, good French, German, Botany (modern methods), Junior Music, Drawing, Painting—E.M.S., 22, St. Leonard's Road, Eastbourne.

PRIZE COMPETITIONS.

THE prize for the December competition is awarded to "Bésigue."

The winner of the Translation Prize for November is Miss A. M. Webb, 7 Scarsdale Villas, Kensington, W.8.

Extract from *Théophile Gautier's "Caprices et Zigzags."*

By "BÉSIGUE."

If we were to say that we did not cast a single glance at the rest of the exhibition, we should draw down on our head the contempt of manufacturers, merchants, utilitarians, and Philistines of all sorts. Such is, however, the fact. We passed through without looking at this multitude of copper and steel monsters, mastodons and mammoths of industry, who wave their truncated arms, sigh with their iron lungs, and seem to borrow life's restlessness and respiration from steam alone, in this furious and emotionless but untiring motion, in this activity of matter that can be carried to extremes without transgressing the holy laws of pity, for matter wears out and suffers not. The bobbins whirled like drunken dancers, disappearing in the dimness of the rapidity. The pistons raised and lowered their broken limbs with a plaintive grunt, like woodchoppers felling an oak-tree trunk; the madcap pulleys made their leathern and gutta-percha beltings strike noisily together; the cog-wheels used their teeth on each other, the rollers rubbed together with a whistling sound, the safety-valves clicked their tongues, the springs called their nerves and pawls into play; all these metallic and Plutonian slaves, invented by the genius of man, were vying with each other as we passed. These machines, with their creakings, their dull thuds, their piercing whistles, cried out to us: "I do the work of six thousand spindles; I take the place of five hundred blacksmiths' hammers; I weave an Indian shawl more regularly than a Cashmere workman on the threshold of his hut; I make machines that will work as I do myself; I, with my brazen fingers, fold letter-envelopes as deftly and as neatly as a pretty woman's pink fingers could do it; only, in a single day I make enough to seal up all the secrets of love, diplomacy, and business in the world."

The passage from Gautier was an example of his copiousness of vocabulary, and the difficulties lay almost entirely in the meaning of simple words. The prize version has two or three errors. *Moignons* is "stumps" rather than "broken limbs"; its applicability to the outward appearance of a piston is obvious. We are not quite clear what a "pawl" is, though we have looked up the word in the dictionary, but *détente* is the "trigger" of a gun or the "release" of a spring; the sentence is difficult to render; "the springs flung out and tightened their sinews" is the best we can do. "Plutonian" is a legitimate rendering of *plutonien*, but it does not convey much meaning to the average reader. The word is connected with the old theory that geological changes were produced by the agency of fire. "Fire-begotten" would perhaps hardly suit the style of the passage, but "all these slaves, children of fire and metal" might pass. There were several better renderings than that of the prize version for *disparaissant dans l'éblouissement de leur rapidité*, e.g. "lost to sight in their dazzling rapidity." *Poulies folles* is "loose pulleys," i.e. ordinary pulleys. "Caprices et Zigzags" is only a book of travel-chatter, but it has some slight historical interest as showing how London looked to a Frenchman in the fifties.

It seems necessary to state that not more than one version may be sent in by any one competitor.

We classify the 68 versions received as follows:—

Class I.—(a) Bésigue, P.M.S., Acheteur, M.P., Principilus, W.W.M., Leander, Dane. (b) Rusticus, M.E.D.H., Anne, Razzle, Petite Bête, Usine, Chingleput, Aire-sur-Lys, Borealis, Pierrelotte, Garnet, En Avant.

Class II.—Eleanora, Merrythought, Kentucky, Echo, M.M.T., Lisle, Young Lochinvar, Vieux-rose, Gepid, Louisiana, Lucinde, Tidy Betty, Ixia, Tibert, M.A., Sirach, Gothicus, Somewhen, Inconnue, Bonheur, Neville, Gadget, Théo, E.A.N., Fleur-de-Lis, Alma, Persistent, Calvus, Cassandra, Willy Nilly, J.W.C.

Class III.—Virginia, M.D., Ecolière, Pamela, Cécile, Equi, Fool, Rival, Frances, Fir, P.B.M., E.A.S., A.H.B., Calim, Olivet, L.G., Nautilus.

(Continued on page 54.)

HORACE MARSHALL & SON

General History.

A cheap general history. (Illustrated).

Part I. **Ancient History.** 3s. net. Part II. **Mediæval History.** 3s. net. Part III. **Modern History.** 3s. 6d. net.

A First History of England.

By C. L. THOMSON, F.R.Hist. S. Illustrated. In 7 Parts.

Part I.—B.C. 330—A.D. 1066	Part IV.—1495—1603... 2s. 6d. net
.. II.—1066—1272... 2s. 6d. net	.. V.—1603—1689... 2s. 6d. net
.. III.—1272—1485... 2s. 6d. net	.. VI.—1689—1820... 3s. 6d. net
	.. VII.—1820—1901... 3s. 6d. net

The Carmelite Shakespeare

Under the general editorship of C. L. THOMSON, formerly a chief Examiner in English for the Matriculation Examination of the University of London. 1s. net each. Now ready.

Julius Cæsar. The Merchant of Venice. Macbeth. The Tempest. Coriolanus. As You Like It. Henry V. ALSO **A School Manual of Shakespeare.** By C. L. THOMSON. Price 1s. net.

Prose Texts. 1s. net each.

The Pilgrim's Progress (Two Parts). **Robinson Crusoe. Rip Van Winkle and Sleepy Hollow. Lives from Plutarch** (Dryden's Translation). **Gulliver's Travels. Legends of Early Scotland. Sir Roger de Coverley. Legends of Early England. Legends of Early Rome.**

Précis Writing for Schools.

By C. L. THOMSON. 2s. net. For beginners.

London: TEMPLE HOUSE, E.C.4, & 125 FLEET STREET, E.C.4.

Orders for back numbers of

THE SCHOOL WORLD

should be placed with

Messrs. Macmillan & Co., Ltd.,
St. Martin's St., London, W.C.2.

All Persons Interested in Phonetics

are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge **Le Maître Phonétique**, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourgo-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of **Le Maître Phonétique** (from 1889) on application.

PLIMSOLLS.

Owing to the shortage of these shoes we have brought out a substitute, a plain black canvas one-strap shoe with "jute soles," a shoe that will wear well for drill or play. Having no rubber in them, they will not "draw" the feet. Sizes run from 12's child's to 7's ladies, all one price, 3s. a pair. A sample shoe will be sent to Mistresses for approval, and orders booked in rotation for the coming Term.

MADDOCK & SON,

SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.



Baby Shows and Day Nurseries.

The organizers of the Day Nurseries will profit greatly by the practical experience of the Baby Shows and Infant Welfare Centres. Methods which have been successful and foods which have proved their worth there, will be adopted by the new Nurseries.

At the most carefully judged Baby Shows and the most carefully supervised Centres for Infant Welfare,

ROBINSON'S "Patent" BARLEY

has been tested and has stood the test. Again and again has the First Prize Baby at the Baby Shows proved to have been fed on Robinson's "Patent" Barley.

Many a baby never has a fair start in life—born sickly, ailing and unable to be fed by Nature's method. Yet from these frail, suffering little bundles of mortality Robinson's "Patent" Barley has produced fine sturdy children. That is why in the Day Nurseries this famous food will be adopted and will have yet other opportunities of bringing health and happiness to our little growing citizens.

Write for Free Literature,

Dept. J.E. c/o KEEN, ROBINSON & CO., LTD., LONDON, E. 1.

Tutorial Institute

39 BLOOMSBURY SQUARE, LONDON, W.C. 1.

Principal: J. F. EWEN, M.A., Honours.

W. T. WALKER, F.G.S., B.Sc. Hons., T. REED, A.R.C.S., National Scholar, Metallist of London University. Lecturer on Botany.
R. J. DALLAS, M.A., Wrangler, Schol. W. B. EDMONDS, F.R.G.S., Oxford King's College, Cambridge. School of Geography.
O. D. COLLINS, B.Sc. London Univer., A. E. ALCOCK, B.A., Wadham College, Oxford.
University Prize in Psychology. J. H. EWEN, Univer. of Edinburgh, 2nd Conjoint, Roy. Coll. Surgeons.
O. C. NAF, M.A., Univer. of London, Author of French Textbooks.
Miss E. KENNETT-HAYES, First-Class Higher Froebel, Lecturer on Handwork.
Assisted by University Lecturers for Special Subjects.

L.L.A. THE MOST POPULAR DEGREE FOR WOMEN TEACHERS.

Top Student (for fifth year), at whole examination who has completed with Triple Honours, Logic, Education, Literature (First Class).
The only College awarded First Class Honours in French, Philosophy, Biblical History, and Honours in Logic; and for second year First in History and Honours in Botany.

Over half of all Diplomas credited to classes last three years.

New Guide to L.L.A. and Syllabus for 1919 Free.

HIGHER LOCALS.

Oxford, Dec. 1917. The only candidate awarded First Class Honours in Geography. Recent results include Honours with Distinction in History and other successes.

HIGHER FROEBEL.

At last July Examination, a student entirely prepared completed a First Class Higher Certificate with 8 First Classes in different subjects.

For last 4 years in succession our students have had the highest result at Part I First Classes in all subjects with Distinction.

All Firsts in Education subjects of Part II, and Double First in Teaching and Handwork.

New Courses now ready for Part II (December) and Part I (July).

Froebel Guide Free.

INTERMEDIATE, B.A., MATRICULATION.

First Class Preparation by Honours Graduates in all usual subjects. Also for A.C.P., L.C.P., and all Examinations for Teachers. 21 years' successes.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 51.

SUPERINTENDENT, HOUSE-KEEPER, HOUSE-MISTRESS, or MATRON. Lady experienced, capable worker, seeks engagement. School, College, Hostel, or Institution. Methodical, adaptable, successful. Take entire charge. Excellent references. Address—No. 10,720.*

YOUNG French MISTRESS seeks engagement in a School, in January. Brevet Supérieur et baccalauréats. Address—Mlle. AUBRY, Branksome Court, Fleet, Hants.

Posts Vacant.

Prepaid rate: 30 words, 2s.; each 10 words, after, 6d. (Use of Office address, 1s. extra.) For latest time for receiving these announcements see front page.

Replies to advertisements marked * should be sent under cover to Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4, in each case accompanied by sufficient loose stamps to cover postage on to advertiser. Post cards will not be sent on.)

CROHAM HURST SCHOOL, SOUTH CROYDON.

Miss THEODORA CLARK and Miss K. M. ELLIS.

Wanted, in January, a MISTRESS for Chemistry and Botany, with degree qualifications. Salary £150 to £160.

Posts Vacant—continued.

SWANSEA EDUCATION COMMITTEE.

HIGH SCHOOL FOR GIRLS.

Head Mistress: Miss E. K. MULLINS (Cantab.).
Wanted, after Christmas, an ASSISTANT MISTRESS to teach as her chief subject Mathematics. Applicants must hold a Degree or its equivalent. Salary scale £125, by £10 annually, to £225. Previous secondary experience will be considered in fixing commencing salary. Forms of appointment will be forwarded on receipt of stamped addressed foolscap envelope to T. J. REES, B.A., Director of Education, Swansea.

WANTED for Visiting work, teaching and medical, in and around Manchester, fully-trained GYMNAST, Dartford or Bedford preferred. To commence work about January 12, 1919. Address—10,678.*

WANTED in January, or May, for a large Girls' Boarding School, (1) a CLASSICAL MISTRESS, (2) MATHEMATICS MISTRESS. Oxford, Cambridge or London qualifications essential. Experience or training desirable, but not necessary. Good salary to suitable applicant. Address—No. 10,704.*

WANTED, in January, for Girls' Private School, a MATHEMATICAL and SCIENCE MISTRESS qualified to teach up to the London Matriculation standard. Resident £150. Address—No. 10,706.*

WANTED in January, for Sanatorium of Girls' School, a capable working HOUSEKEEPER-NURSE. Salary, £50 to £100, according to qualifications. Address—No. 10,707.*

RESIDENT MUSIC MISTRESS, Mathey method, required in January for Girls' School near London. Salary £80 to £100. Send testimonials to Address—No. 10,715.*

Posts Vacant—continued.

MASSAGE AND GYMNASTICS.
—Wanted, one or two LADIES to take over superior old-established Swedish Gymnastic and Massage Practice in West of England. Income £500 to £600 a year. Unique opportunity. Excellent prospects. For particulars apply to Address—No. 10,708.*

WANTED, after Easter, in High-class Boarding School (120 girls), ASSISTANT MISTRESS to teach English and Latin. To capable and experienced teacher, co-operative scheme of payment of salary offered. Apply, with full particulars, to Address—No. 10,710.*

MISTRESS, fully qualified and with School experience, required for responsible position in good Private School in Scotland, as HOUSE MISTRESS. Salary or Partnership could be arranged. Subjects desirable, Mathematics and Geography or Science. Apply fully, state age, training, experience. Address—No. 10,712.*

TWO RESIDENT MISTRESSES required, in January, in Girls' Boarding School near London, to teach between them English subjects, elementary Latin and Mathematics, and Needlework. Preference given to a mistress who has had experience with Girl Guides. Salaries £70 to £90. Send full particulars and copies of testimonials to Address—No. 70,713.*

(1) **RESIDENT SECRETARY** and (2) **MATRON-HOUSEKEEPER** required in Girls' Boarding School in Hertfordshire. Salaries £80 and £70. Send full particulars to—Address No. 10,714.*

WANTED, January 21, an experienced VISITING COACH for Matriculation, Senior Oxford, two or three mornings a week for Mathematics, Latin, English Language. State terms.—Miss MANVILLE, 2 Leinster Gardens, W. 2.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

A Prize of Two Guineas is offered for the best translation of the following extract from Von Sybel's "Die Erhebung Europas gegen Napoleon I":—

WELLINGTON.

Ueberall, in Angriff und Abwehr, in Jugend und Alter, war er stets derselbe, stets ruhig und seiner bewusst, eine Natur von unverwundlicher Arbeitskraft und Solidität. Weder in seiner Erscheinung noch in seinem Benehmen war ein poetischer Zug, nicht fesselnde Anmut, nicht flammende Leidenschaft; er war im Verkehre trocken, steif in seiner Haltung, bis zum Pedantischen regelrecht, und hatte mit dem Ausdruck oft mühsam zu ringen. In seinen politischen Anschauungen war er ein harter Tory, hasserfüllt gegen die Revolution, aus welcher Bonaparte's Despotismus emporgestiegen, aber auch ohne Verständniss für die tumultuarische Begeisterung des spanischen Volkes, ein Mangel, der ihm die Lösung seiner grossen Aufgabe vielfach erschwert hat. Dabei war er bis zur letzten Faser von stolzem britischen Nationalgefühl durchdrungen, mit dem er auf seine europäischen Verbündeten ebenso wie auf seine indischen Gegner hinabsah, und eine rücksichtslos egoistische Politik als völlig selbstverständlich betrachtete. Aber sein Leben zeigt, wie kein anderes, welch eine Quelle unendlicher Beglückung und Begabung in einem fest gestählten Pflichtgefühl springt. Er hatte seinen Willen auf das Rechte gerichtet und beugte jede Faser seines Daseins unter diesen Willen. Während Napoleon gern von seinem Sterne redete, nahm Wellington das Wort: *Virtutis fortuna comes* (das Glück dient der Tüchtigkeit), zu seinem Wahlspruch. War ihm die elastische froh aufjauchende Frische eines Achill und Alexander versagt, so besass er dafür die schrankenlose Herrschaft über sich selbst, jene Herrschaft, die nicht bloss die Leidenschaften bändigt, sondern sich auch zu jeder Leistung emporhebt, weil sie es so will. Dieser Held der bedächtigen Verteidigung brach doch, wenn er es einmal beschloss, so energisch und heiss und unaufhaltsam reissend zum Angriffe vor, wie der wildeste Fanatiker—nur dass er, seine Aufgabe gelöst, noch atemlos von der Anstrengung, gleich wieder ernsthaft zusammengekommen, kühl und bedächtig einherschritt. So fesselte er das Glück, das er verachtete, fest an seine Fahnen; er wurde, obwohl an Genialität nicht mit Napoleon zu vergleichen, des Welteroberers Meister; und

sein Leben wurde ein einziges Zeugnis für die so oft verkannte Wahrheit, dass in den menschlichen Dingen ein grosser Charakter doch schwerer wiegt als der grösste Geist.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners will be required to send real names for publication.

All competitions must reach the Office by January 16, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London. E.C. 4.

DR. E. A. ABBOTT, Head Master of the City of London School from 1865 to 1889, was presented with an address signed by many distinguished old pupils, readers of his books, and other friends, on the occasion of the attainment of his eightieth birthday on December 20. The signatures of the address included the Provost of Eton and the Head Masters of King Edward's School (Birmingham), Charterhouse, City of London, Clifton, Dulwich, Eton, Haileybury, Harrow, Manchester Grammar School, Rugby, St. Olave's (Southwark), Sherborne, Wellington, Westminster, and Winchester. The address included the following tribute to Dr. Abbott's educational work:—"We call to mind that the period of your head mastership was one of signal prosperity in the history of the City of London School. Yourself a classical scholar of the finest Cambridge type, you maintained and enhanced the reputation which the school had won under your predecessor as a place of classical education. At the same time it was due to your enlightened zeal as an educational reformer that the City of London School led the way among the public schools of the country in treating the English language and English literature as subjects of serious study for pupils of all ages."

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 53.

CITY OF BRADFORD EDUCATION COMMITTEE.

CARLTON STREET GIRLS' SECONDARY SCHOOL.

Wanted, on February 1st, or as soon as possible, an ASSISTANT MISTRESS, to teach Mathematics (including Book-keeping) and give some help with other subjects.

Salary according to qualifications and experience. (Scale under revision.) Bonus 21/- per week. Forms of application may be had on application, and should be returned to the DIRECTOR OF EDUCATION, not later than 10th January, 1919. (By Order).

Town Hall, Bradford. 4th December, 1918.

CITY OF SHEFFIELD EDUCATION COMMITTEE.

CENTRAL SECONDARY GIRLS' SCHOOL.

Wanted, as soon as possible, CLASSICAL MISTRESS, with good Honours Degree. Subsidiary subject desirable. Initial salary, £150 to £180 per annum, according to experience and qualifications, plus War allowance of at least £20 per annum, guaranteed until 31st October, 1920. Apply—HEAD MISTRESS—at once.

Education Office. G. S. BAXTER, Secretary.
13th December, 1918.

HEAD MISTRESS, EPISCOPAL SCHOOLS. £110, with house (free of rates), light, coal and superannuation fee. ASSISTANT MISTRESS (for Infants.) £90 and proportion of superannuation fee. Replies to Rev. A. J. MACDONALD, Parsonage, Aylth, Scotland.

GENTLEMAN, abstainer, with Educational and Science qualifications, wanted for Scientific Temperance Teaching in Schools, to succeed retiring Lecturer (Ph.D., F.C.S.). Salary £220-300 per annum, according to qualifications. For particulars and form of application apply—W. CHANDOS WILSON, 207 Deansgate, Manchester. Applications must be in by February 10th, 1919.

Posts Vacant—continued.

ISLE OF ELY COUNTY COUNCIL.

THE HIGH SCHOOL FOR GIRLS, MARCH, CAMBS.

Wanted, as soon as possible, TWO FORM MISTRESSES to take between them Botany, Elementary Science, Geography and Mathematics, Subsidiary Subjects, Games, and Junior English. One post is that of Second Mistress.

Trained graduates preferred. Scale of Salaries under revision. Initial Salary—£150 for Graduates with training or experience. Apply to the HEAD MISTRESS at 5 Trew Road, Truro, Cornwall.

THE COUNCIL invites applications for the post of TUTOR in French. The candidate selected, who must be a graduate in Honours of a British University, will be required to take up residence in Michaelmas Term, 1919. Applications to be sent to the PRINCIPAL, St. Hugh's College, by February 6th, 1919.

ASSISTANT RESIDENT MISTRESS required in January for Girls' Private School. Geography, Nature, Mathematics, Games, and Drill desirable. Churchwoman. Small classes. State qualifications, experience, and salary.—PRINCIPAL, 23 London Road, Maidstone.

ST. FELIX SCHOOL, Southwold, Suffolk.—Wanted, for January, a MISTRESS, to take Classics, with some Mathematics or English. Salary according to qualifications. Apply to the HEAD MISTRESS, St. Felix School, Southwold.

WANTED in January, a MISTRESS to teach English History, Language and Literature, Geography and Latin in Girls' Private Boarding School. Apply, stating references, qualifications, and salary required to—Miss WALLIS, Highfield, Oxhey Lane, Watford.

WANTED next January, Resident MISTRESS to teach English History, Language and Literature, and Latin to Matriculation standard in Girls' Boarding School. Salary £100. Address—Miss WALLIS, Highfield, Oxhey Lane, Watford.

Posts Vacant—continued.

DERBY MUNICIPAL SECONDARY SCHOOL FOR GIRLS.

A TEMPORARY MISTRESS is required in January, for Mathematics (Middle School), and Physics (Forms I and II). Minimum salary at the rate of £140 per annum.

Letter of application, and copies of three recent testimonials, to be sent to the undersigned at once.

WILLIAM COOPER, Secretary.
Education Office,
Becket Street, Derby.
10th December, 1918.

GIRLS' PUBLIC DAY SCHOOL

TRUST.—The Council invite applications for the post of HEAD MISTRESS of Sheffield High School. They must be delivered not later than the 16th January, 1919, to the SECRETARY of the G.P.D.S.T., Broadway Court, S.W.1, from whom particulars as to the form of application should be previously obtained. The duties of the new Head Mistress will begin in May, 1919.

GAMES MISTRESS wanted in January, for large Boarding School, Dancing, Gymnastics, and Games. Apply—PRINCIPAL, Winchester House, St. Leonards-on-Sea.

CRAIGMOUNT, EDINBURGH.—

Required, now or in May, Resident FORM MISTRESS, to teach Geography, Botany, and Junior English. Salary according to qualifications and experience. Apply to the HEAD MISTRESS.

WANTED for January, ASSISTANT MISTRESS to teach Botany as principal subject. Resident or non-resident. Apply, with full particulars—HEAD MISTRESS, Calder Girls' School, Seascale.

EDGEHILL GIRLS' COLLEGE,

Bideford, N. Devon.—Required, in January, a SCIENCE MISTRESS to teach Chemistry and Botany. Apply, with full particulars—The HEAD MISTRESS.

CHELtenham LADIES' COLLEGE.—Vacancy, for January, 1919, for a MISTRESS to teach Mathematics. Particulars on application to the VICE-PRINCIPAL.

The Technical College

LOUGHBOROUGH, LEICESTERSHIRE.

H. SCHOFIELD, M.B.E., B.Sc. (Hons.) Lond.; A.R.C.Sc.Lond., Assoc.M.Inst.C.E., PRINCIPAL.

DEPARTMENTS OF MECHANICAL AND ELECTRICAL ENGINEERING.

Complete Courses of Training are arranged in both Theory and Practice of Mechanical Engineering.

The Workshops of the College provide accommodation for 500 students working at the same time.

The equipment is on most modern and comprehensive lines, and comprises plant for turning, fitting, milling, grinding, automatic lathe operating and tool setting, tool and gauge making, foundry work, pattern making, drawing office work, heat treatment, viewing and testing of all kinds.

None but first-class work of a productive character is undertaken by the students, working under the skilled supervision of a fully qualified technical staff.

The complete course covers a period of five years, during which works training in all the above sections will be given, and this will be accompanied by a full theoretical course of instruction in the College Lecture Rooms and Laboratories.

Intending students should be at least sixteen years of age, and have had a good Public School or Secondary Education.

The fee is £5 5s. per term, and the next term will commence on January 14, 1919.

Boarding accommodation is provided in Hostels attached to the College, full particulars of which, together with illustrated Prospectus, will be forwarded upon application to the Principal.

W. A. BROCKINGTON, O.B.E., M.A.,

Director of Education.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),
12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Hants (Seaside).—Partnership, with view to succession, in flourishing Girls' Boarding and Day School. Established 35 years and conducted by vendor in partnership from 1916 to 1917, and since September 1917 alone. Gross receipts past year, £1,217. Net profits past year, £364. Number of boarders about 8; terms 45 guineas per annum. 106 day pupils; terms, 45 guineas to 12 guineas, without extras. Rent of detached house—large, lofty rooms, garden and gravel playground, school room (separate from house)—£120 per annum. Price for half share £350. School and household furniture by yearly instalments. The school is in a really flourishing condition.—No. 5044.

Kent (Seaside).—Boarding and Day School for Girls. Established over 50 years. Gross receipts past year over £625. 6 boarders paying £30 to £45 per annum each; 65 day pupils paying up to £3. 15s. per term without extras. Extras about £3. 80 per term. Rent of detached house held on lease, £78. Price for goodwill, £225, or the vendor would accept one term's fees on all pupils transferred. Furniture at valuation. The vendor states that during the last three terms numbers have increased rapidly and that the gross receipts for the first two terms of this year were £462. 17s. 6d.—No. 6,003.

Essex (Seaside).—Transfer or Partnership. Boarding and Day School. Little boys also

received. Gross receipts past year about £400. 7 boarders at about £40 per annum and 20 day pupils paying from 2 to 4 guineas a term. Large house standing in own grounds, almost open country with orchard, tennis lawns. Rent about £75. Price for goodwill, school, and part household furniture, including two good pianos, school building, &c. about £350. Price for half share by arrangement.—No. 6004.

Somerset.—Girls' Boarding and Day School. Established many years. About 11 boarders bringing in £145. 16s. per term, and 8 day pupils bringing in £10. 19s. per term. Vendors removed the school to the present house last year, and have saved £100 since. Rent of 14-roomed house £60, or the vendors would sell the freehold for £850. Price for goodwill only £150. School furniture at valuation.—No. 6,002.

BOYS' SCHOOLS.

Essex (Seaside).—Boys' Boarding and Day School. Established 21 years. Gross receipts past year £2,800, average of three years £2,000. Net profits past year £630. Average of three years about £480. 50 boarders. Terms average £40. 70 day pupils. Fees about £3. 10s. per term. Extras about £200 per annum. Rent of house built for a school, £150. Price for goodwill about £1000. Furniture at valuation. Only part need be paid down.—No. 6,990.

N. Wales.—Good middle-class Boarding and Day School. Number of boarders 10, at fees from £48 to £60 per annum, and about 60 day pupils, fees £6. 10s. to £13 per annum. Rent of two large houses thrown into one, £80, but a part has just been let off for £40 per annum. Price for goodwill and school furniture, only £450.—No. 6,982.

East Coast.—Boarding and Day School. Established many years. Gross income about £978. The vendor will give full details as to the gross and net income. Number of pupils, 60. The premises are the vendor's own property. Price for goodwill, £300. Furniture at valuation.—No. 6,968.

London, S.W.—Day School for Boys and Girls. Established 20 years. Gross receipts past year, £469. Net profits, £250. Number of pupils, 71. There are about 40 music pupils. Rent £60 inclusive. Price for goodwill, only £150.—No. 5,089.

Surrey.—For immediate disposal—owing to the serious illness of the vendor—flourishing Boarding and Day School. Established many years. We understand boarders were refused last term. The gross income for last year was £1,250 as returned by the Income Tax Authorities. Price for goodwill, school furniture, and some household furniture only £300 to £400, or about £300 for goodwill and furniture at valuation.—No. 6,988.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 54.

UNIVERSITY OF LONDON.

The Senate invite applications for the post of SECRETARY (whole time) in the Department of the University Extension Registrar, chiefly for the work of University Extension Lectures and Tutorial Classes. Applicants must be Graduates of a British University. Commencing salary £270 a year. Applications, addressed to the undersigned (from whom further particulars may be obtained), should reach the University before January 17.

S. L. LONEY.

Chairman of the Establishment and
General Purposes Committee.University of London,
South Kensington, S.W. 7.

GODOLPHIN AND LATYMER

GIRLS' SCHOOLS.
Ilfley Road, Hammersmith, London.

APPOINTMENT OF HEAD MISTRESS.

Applications are invited for the above post, which is now vacant. The appointment will date from May or September, preferably May.

Candidates must hold a University degree or its equivalent.

Commencing salary £500, with yearly increments of £25 for the period of four years, with the use of school-house, and other emoluments.

Application forms, and other particulars, to be obtained from the Clerk to the Governors, C. WIGAN, Esq., M.A., Norfolk House, Victoria Embankment, W.C.2.

All applications must be received by the 21st of January.

ST. HILD'S TRAINING COLLEGE, DURHAM.

Principal: Miss ELEANOR CHRISTOPHER.

Wanted, in January, Two Lecturers:—(1) An ENGLISH LECTURER: subsidiary subject, French. Initial salary £130. A higher salary will be offered to good experience and good qualifications. (2) An ART LECTURER to take Drawing, Needlework, and Handwork. Initial salary £100. Both posts are resident, with laundry. Applications to be sent to the PRINCIPAL at once.

Posts Vacant—continued.

NEWCASTLE-UPON-TYNE EDUCATION COMMITTEE.

RUTHERFORD COLLEGE GIRLS' SCHOOL. Wanted in January, a FORM MISTRESS, offering any three of the following subjects:—French Geography, History, Mathematics or Elementary Science. Someone with Secondary School education, and ability to take Hockey or Net Ball preferred. Degree essential. Salary according to scale. Allowance made for teaching experience.

Forms of application to be obtained (on receipt of a stamped addressed foolscap envelope) from THE DIRECTOR OF EDUCATION, Education Offices, Northumberland Road, Newcastle-upon-Tyne.

NEWCASTLE-UPON-TYNE EDUCATION COMMITTEE.

ATKINSON ROAD DAY COMMERCIAL SCHOOL FOR GIRLS.

Wanted immediately, a SENIOR MISTRESS for French. Ability to assist with Games desirable. Commencing Salary, £160 to £181 per annum (according to experience and qualifications), rising by £7 per annum, to a maximum of £216 per annum.

Applications on forms, which may be obtained on receipt of a stamped addressed foolscap envelope, must be delivered to the undersigned not later than 27th December, 1918.

PERCIVAL SHARP.

Education Offices, Director of Education.
Northumberland Road,
Newcastle-upon-Tyne.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1.

DURHAM HIGH SCHOOL,

Church Day and Boarding School for Girls.—Wanted for January, two non-resident MISTRESSES for Modern Languages and English. Good salaries if experienced. Apply at once—HEAD MISTRESS.

Posts Vacant—continued.

LONDON COUNTY COUNCIL.

APPLICATIONS are invited from candidates for the under-mentioned positions:

(1) THE COUNTY SECONDARY SCHOOL, ELTHAM.

A FORM MISTRESS and MODERN LANGUAGE SPECIALIST. Experience in teaching and in organizing French teaching required.

(2) THE COUNTY SECONDARY SCHOOL, PECKHAM.

An ASSISTANT MISTRESS to teach French with English subsidiary.

Salary £120 to £180 a year, according to experience, rising to £270 by yearly increments of £10. War bonus depends on salary and scale—£39 to £59. Candidates for these positions must possess a good Honours degree, or be otherwise specially qualified.

Apply to the EDUCATION OFFICER (H4), Education Offices, Victoria Embankment, W.C.2. (stamped addressed foolscap envelope necessary). A form giving particulars will then be sent. Form must be returned by 11 a.m. on 11th January, 1919. * Cancelling disqualifies.

JAMES BIRD.

Clerk to the London County Council.

* In the case of (1), and 18th January, 1919 in the case of (2), addressed to the HEAD MISTRESS, the County Secondary School, Eltham, Deansfield Road, Well Hall, S.E.9., and to the HEAD MISTRESS, the County Secondary School, Peckham, Sumner Avenue, Peckham, S.E., respectively.

NORWICH HIGH SCHOOL

(G.P.D.S.T.), for January:—(1) MISTRESS to take charge of a Form and to teach some Mathematics, and if possible French and Geography. Salary £130. (2) MISTRESS to teach first-rate Solo Singing and some Piano. Salary by capitation fees on pupils.—Apply to the HEAD MISTRESS, with testimonials.

WANTED, KINDERGARTEN

MISTRESS who can teach Drilling and Games, or DRILL and GAMES MISTRESS who can take elementary subjects in the Lower School in a school 12 miles from London. Supervision duties very light. Miss BARRINGER, Granville Hotel, St. Margaret's Bay, Dover.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (1st floor), S.W. 1.

ALLAN'S ENDOWED GIRLS' SCHOOL, Newcastle-on-Tyne.—Wanted, in January, a MISTRESS to teach Mathematics and Geography on Modern lines. Apply, stating qualifications, experience, salary required, enclosing testimonials and photograph, to HEAD MISTRESS.

GRAMMAR SCHOOL, CREDITON, DEVON.—Required on January 15th, Temporary ASSISTANT MASTER or MISTRESS to take Geography of School, Subsidiary Subject: Junior English, History, or Mathematics. Salary: Master, £225; Mistress, £200. (Residents £50 less.) Apply—HEAD MASTER.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen. MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work. — M. GLENISTER, 3 Friern Park, N. Finchley, N. 12.

BRADFORD GIRLS' GRAMMAR SCHOOL.—Wanted, in January, a MISTRESS to take Mathematical Divisions in Forms III, IV, and V, with some higher work if preferred. Apply to the HEAD MISTRESS, stating qualifications and salary required.

WANTED, January, Girls' Boarding School, resident JUNIOR MISTRESS, qualified to teach modern Geography, some English, and plain sewing. State salary, experience. Also STUDENT MISTRESS preparing for English or Piano examinations. Small premium.—PRINCIPAL, Wincham Hall, Northwich, Cheshire.

OVERDALE SCHOOL, SETTLE, YORKS.—Wanted, in January, Two Resident MISTRESSES. Essential subjects: English, History, Needlework, Drill, Dancing. Must be fond of country life. Apply to Miss PICKARD, M.A., Head Mistress.

WARMINSTER COUNTY SCHOOL. Wanted immediately, FORM MASTER to teach History throughout the school and also, if possible, some Drawing. Commencing salary £170 per annum. Apply—E. E. DENT, Head Master.

LONDON GARDEN SCHOOL, 15 and 17 Finchley Road, N.W. 8. Wanted, January 20, a young Resident MISTRESS in sympathy with "New Ideals in Education." To direct free experimental studies of children 9-14 and help with elder boarders. Good Nature, Arithmetic, History, Geography desirable and able to accompany Dancing. Some experience necessary. Much liberty allowed and some free week-ends. Large staff kept and visiting teachers. School is a good-class private one, opened September, 1917. Address—Miss K. MANVILLE.

REQUIRED, in January, ASSISTANT MISTRESS for Form II, with usual English subjects or Drill and Games. Mistress to assist with Lower School work. State full particulars.—HEAD MISTRESS, Grammar School, Iminster.

RESIDENT GYMNASTIC MISTRESS wanted January 18. State subjects. College, and enclose photograph. Apply to Miss THEODORA JOHNSON, The Swedish Institute, Clifton, Bristol.

COUNTY BOROUGH OF DARLINGTON. EDUCATION COMMITTEE.**HIGH SCHOOL FOR GIRLS.**

Head Mistress: Miss ELEANOR TROTTER, M.A. Required, for Summer Term, two FORM MISTRESSES, to teach between them English, Latin, Scripture, and History. Experience in the supervision of girls' libraries and in the conducting of literary and debating societies will be considered a recommendation. Salary £170 to £200 per annum, and rising to a higher maximum according to qualifications and experience. Forms of application may be obtained from the undersigned, and should be returned as soon as possible. A. C. BOYDE, Education Office, Darlington. Secretary.

23 December, 1918.

THE ROYAL ORPHANAGE, WOLVERHAMPTON.—Wanted, THIRD FORM MISTRESS. Good disciplinarian, willing to share supervision duties. Age 20 to 25. Commencing salary £40, with yearly increments, board, &c.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Established 1833).

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at

34 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

TO ASSISTANT MISTRESSES. NEXT TERM VACANCIES.

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

Assistant Mistress for English and Geography. Mixed School. Salary £150-170 non-resident. (Wales.)—No. 111.

Form Mistress for general Junior subjects, including elementary Mathematics, High School. Salary £140 non-resident. (Yorks.)—No. 996.

Mistress for Botany or Hygiene, and some Chemistry and Physics. Important Boarding and Day School. Salary £90 resident. (Kent.)—No. 1090.

Assistant Mistress for general English subjects. Experienced. Secondary School. Salary about £150 non-resident. (Derbyshire.)—No. 1086.

Botany Mistress for Secondary School. Must have good qualifications. Commencing salary £120 non-resident.—No. 1033.

Two Mistresses to take between them some English, Elementary Latin and Mathematics. Needlework. High-class School. Salaries £80 resident or about £150 non-resident. (Herts.)—No. 120.

Assistant Mistress for Latin and History. High-class School. Salary £80 resident. (Derbyshire.)—No. 989.

Experienced Music Mistress able to teach the Matthey Method. High-class School. Salary £100 resident, or £150 non-resident. (Herts.)—No. 119.

Kindergarten Mistress with Higher N.F.U. Certificate. Experienced. Salary £70 resident. (Devon.)—No. 1097.

Gymnastic and Games Mistress with good experience. First-class School. Salary £90 resident. (Derbyshire.)—No. 934.

History Mistress with good experience for important School. Salary from £100 to £140 resident, according to qualifications, &c. (East Coast.)—No. 1066.

English Lecturer for Training College. Must have good qualifications and experience. Salary £130 resident.—No. 1054.

Form Mistress for general subjects. Some Latin and Mathematics desirable. Salary from £80 resident. Important School. (Devon.)—No. 1095.

Mathematical Mistress for School in Ireland. Good qualifications necessary. Salary £90 resident.—No. 1057.

Geography Mistress for County School in Wales. Some experience necessary. Salary from £135 non-resident.—No. 1072.

Music Mistress with good certificates and experience. Salary £70 resident. (Hants.)—No. 124.

Governess for Family—three girls 12, 13, and 14. Music, French, Drawing, and Needlework. Salary £80 resident. (Monmouthshire.)—No. 1093.

Assistant Mistress for English subjects to Cambridge Higher Local Standard. Salary about £80 resident. (Lancs.)—No. 117.

Kindergarten or Junior Form Mistress for good School. Some experience. Salary £60 resident. (Northants.)—No. 967.

Assistant Mistress for Mathematics and English subjects. Boys' High School. Salary £80 resident. (East Coast.)—No. 980.

Gymnastic and Dancing Mistress with good training. Salary £60 resident (Yorks.)—No. 1073.

Music Mistress for Piano and Violin. Should hold good Certificates. Salary from £60 resident. (South Coast.)—No. 118.

Assistant Mistress for Latin and History. First-class School. Salary £80 resident. (Derbyshire.)—No. 989.

Second English Mistress for English, Geography, some Mathematics and Latin. High Class School. Salary £70 resident. (Somerset.)—No. 985.

Senior French Mistress. Training or experience desirable. Salary £80 resident. (Notts.)—No. 984.

Kindergarten Mistress able to take Ablett's Drawing. Higher Certificate desired. Salary £60 resident. (Surrey.)—No. 959.

Assistant Mistress for general English, Geography and French up to Senior Cambridge standard. Salary £75 resident. (Norfolk.)—No. 983.

Kindergarten Mistress for Secondary School (mixed) in London. Salary £150 non-resident.—No. 109.

Senior English Mistress for all English subjects and some Arithmetic, Algebra, and Geometry. Salary about £70 resident. (Wales.)—No. 1082.

Gymnastic Mistress able also to take Dancing. Salary about £60 resident. (Yorks.)—No. 1087.

Two Mistresses for school in Ireland, to take between them English, Latin, French, Mathematics, and Drill. Salaries about £70 resident.—No. 1071.

A large number of other resident and non-resident vacancies in Public and Private Schools for English and Foreign, Senior and Junior Assistant Mistresses.

Numerous posts for Junior Mistresses asking salaries from £35 to £50 resident.

70 Student-Governesses also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Governesses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 58 for brief particulars of some of the Schools Messrs. Griffiths, Powell & Smith now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent gratis to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates for the present Term and for January, 1919:—

General Form Mistresses.

SENIOR MISTRESS required for High Class Girls' School within easy distance of London, to teach General English subjects, including Geography and some Latin. Salary from £100 res.—No. 12,281.

SENIOR ENGLISH MISTRESS for Girls' School of the best class, in the South West of England. Salary from £100 upwards.—No. 12,335.

ASSISTANT MISTRESS, to teach English Subjects, including Geography, Elementary Mathematics and Latin, for High Class Girls' School on the South Coast. Salary from £80 res.—No. 12,237.

SENIOR ENGLISH MISTRESS for high-class Girls' School in the East of England, to teach English chiefly. Salary from £100 upwards.—No. 12,022.

MISTRESS, to teach English and History in high class Girls' School, on the South Coast. Salary from £100 upwards.—No. 11,949.

LECTURER in English for Training College in the North of England. Salary from £130 res.—No. 11,829.

MISTRESS, to teach English and History, in large Boys' School, in the South West of England. Salary from £200 upwards non-res.—No. 12,321.

MISTRESS, to teach Junior Latin, Mathematics or History, in large Girls' School in South West of London. Good salary will be offered, in addition to Board and Residence.—No. 12,279.

Mathematical and Science Mistresses.

MATHEMATICAL MISTRESS required in high class Girls' School in the South West of England. Salary up to £150 res.—No. 12,260.

SCIENCE MISTRESS, to teach Physics in large Secondary School in the South West of England. Salary £200 non-res.—No. 12,224.

SENIOR MATHEMATICAL MISTRESS in important Girls' Boarding School in the South West of England. Salary £130 res.—No. 12,217.

SENIOR MISTRESS, to teach Mathematics, with Physiology or Botany, in important Girls' Boarding School, within easy distance of London. Salary from £120 res.—No. 11,998.

MISTRESS, to teach Geography in important Church of England School for Girls on the South Coast. Salary £90 res.—No. 12,371.

ASSISTANT MISTRESS, to teach Chemistry at Boys' School, within easy distance of London. Salary £200 res.—No. 11,840.

Boys' Preparatory Schools.

ASSISTANT MISTRESS required to teach General Preparatory School Subjects, including elementary Mathematics, in Boys' Preparatory School in the Midlands. Salary £85 res.—No. 12,212.

ASSISTANT MISTRESS, to teach French on the Phonetic System, in important Boys' Preparatory School in the South of England. Salary £170 res.—No. 12,154.

ASSISTANT MISTRESS, to teach General Preparatory Subjects, including French and Mathematics, in Boys' Preparatory School in the South of England. Good salary will be offered, in addition to Board and Residence.—No. 11,954.

ASSISTANT MISTRESS, to teach General Elementary Subjects, in good class Boys' Preparatory School in the South West of England. Salary £120 res.—No. 11,645.

ASSISTANT MISTRESS, to teach General Preparatory Subjects, including good French, in Boys' Preparatory School, within easy distance of London. Salary £105 res.—No. 11,712.

ASSISTANT MISTRESS, to teach General Preparatory Subjects, including elementary Latin, Mathematics, Drawing and Music, for small Boys' Preparatory School, on the South Coast. Salary up to £100 res.—No. 12,184.

Classical Mistresses.

SENIOR CLASSICAL MISTRESS required, in large Girls' School in the South-west of England. Salary from £150 to £180 non-res.—No. 12,080.

ASSISTANT MISTRESS, to teach Classics, including some Greek, in large Girls' School in the South-west of England. Salary £130 to £150 non-res.—No. 11,977.

ASSISTANT MISTRESS, to teach general subjects, including good Latin, in Church of England Girls' School in the South of England. Salary from £100 res. upwards.—No. 10,938.

CLASSICAL MISTRESS in Boys' Preparatory School in the South of England. Salary £120 res.—No. 10,616.

Lower Form and Kindergarten Mistresses.

JUNIOR MISTRESS required, in important Girls' School, in South of England, to teach general subjects, including good Geography and Drawing. Good salary will be offered, in addition to board and residence.—No. 12,341.

ASSISTANT MISTRESS for Form I, to teach general elementary subjects, including good Needlework, in Girls' High School in the Midlands. Salary up to £130 non-res.—No. 12,311.

JUNIOR MISTRESS, to teach class of children, ages from 3 to 7, on the Montessori lines in small Preparatory School for Boys and Girls in London. The post is probably for the mornings only. Salary £60 non-res.—No. 12,316.

ASSISTANT MISTRESS for Preparatory Forms in large Secondary School in the North of England. Subjects should include good Hand Work. Salary up to £150 non-res.—No. 12,269.

KINDERGARTEN MISTRESS for Girls' Secondary School in London. Salary £130 non-res.—No. 12,239.

ASSISTANT MISTRESS for Junior Department in large School in Scotland. Salary £90 res.—No. 12,195.

Modern Language Mistresses.

ASSISTANT MISTRESS required, to teach French in large Girls' School in the West of England. Salary from £130 non-res.—No. 12,259.

MODERN LANGUAGE MISTRESS in large Boys' School in North-West of England. Salary £250 non-res.—No. 12,319.

MODERN LANGUAGE MISTRESS in high-class Girls' School on the South Coast. Salary from £110 res.—No. 12,179.

MISTRESS, to teach French throughout the School in important Girls' School in the South of England. Salary up to £90 res., or the post can be held as non-resident one at salary of £130.—No. 12,159.

MODERN LANGUAGE MISTRESS in large Boys' Grammar School in the North of England. Salary from £200 non-res.—No. 11,946.

ASSISTANT MISTRESS, to teach French, acquired abroad, in important Girls' School in the North of England. Salary from £100 upwards, in addition to Board and Residence.—No. 11,804.

Domestic Science and Gymnastic Mistresses.

GYMNASTIC AND GAMES MISTRESS required, in large Girls' School in South Africa. Salary £100 res., and passage paid.—No. 10,783.

ASSISTANT MISTRESS, to take Games throughout the School in high class Girls' Private School, in the South West of England. Salary up to £70 res.—No. 12,251.

DOMESTIC SCIENCE MISTRESSES for large Girls' School in Egypt. Good salaries will be paid.—No. 12,266.

DOMESTIC SCIENCE MISTRESS, in important Girls' School in the North. Salary up to £85 res.—No. 11,497.

Music and Art Mistresses.

JUNIOR MUSIC MISTRESS, in important Girls' School in the Midlands. The post will be a resident one and good salary offered.—No. 12,331.

MUSIC MISTRESS, to teach Piano, Class Singing, and if possible some Violin, in Boys' Preparatory School in Ireland. Salary from £80 res.—No. 12,289.

MUSIC MISTRESS, to teach Piano on the Matthey System, including very good Class Singing, in important Girls' School on the South Coast. Salary from £80 res.—No. 12,236.

ART MISTRESS, in Boys' High School in the Midlands. Salary £200 non-res.—No. 12,262.

ART MISTRESS, in Training College in North of England. Salary from £90 res.—No. 11,822.

ART MISTRESS, in large Girls' School on the South Coast. Salary from £80 res.—No. 12,082.

Messrs. GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

ASSISTANT MISTRESSES

seeking appointments in Public or Private Schools for the coming term or after Easter should send particulars of their qualifications and requirements to

TRUMAN & KNIGHTLEY, Ltd.

This Agency enjoys the patronage of the leading Public and Private Schools for boys and girls, and is in a unique position to find remunerative openings in all branches of the teaching profession.

The number of vacancies now on the books is too large to permit of a satisfactory selection being inserted in this page.

The requirements of each applicant receive careful consideration and attention, and all communications are treated in strict confidence.

There is no registration fee, and the commission charge to those for whom an appointment is secured is very moderate.

There are separate departments for

LADY MATRONS AND HOUSEKEEPERS FOR SCHOOLS,

and for

ASSISTANT MASTERS.

SCHOOL TRANSFER DEPARTMENT.

Ladies seeking partnerships or to take over a school of their own should communicate personally with Mr. Truman, who undertakes all negotiations connected with the transfer of schools and is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices : 158-162, OXFORD STREET, LONDON, W.1.

Telegrams : " TUTORESS, PHONE, LONDON. "

Telephone : MUSEUM 1136.

Consult BLACKIE & SON'S new list for all works on **HISTORY.**

Industrial, Social, and Economic History.

CAPITAL, WAR AND WAGES. By W. H. MALLOCK.
Cloth, extra. 2s. net.

LANDMARKS IN ENGLISH INDUSTRIAL HISTORY.
By G. TOWNSEND WARNER, M.A. 6s. net.

TILLAGE, TRADE, AND INVENTION. An Outline of
Industrial History. By GEORGE TOWNSEND WARNER, M.A. 2s. net

LESSONS ON CIVICS. A Sketch of British Institutions at the
Present Day. 9d.

THE CITIZEN: His Rights and Responsibilities. By OSCAR
BROWNING, M.A., University Lecturer in History, Cambridge. 1s. 9d.

THE RISE OF DEMOCRACY. By J. HOLLAND ROSE,
Litt.D., Reader in Modern History, University of Cambridge. 2s. 6d. net.

European History.

EUROPE SINCE NAPOLEON. By ELIZABETH LEVETT,
Scholar of Lady Margaret Hall, Oxford; Tutor in Modern History,
St. Hilda's Hall, Oxford. With 10 Maps (2 in Colour). 3s. 6d. net.

A BRIEF SURVEY OF EUROPEAN HISTORY. A General
Sketch of European History from Charlemagne to the present time. By
ARTHUR HASSALL, M.A., Student and Tutor of Christ Church, Oxford.
4s. 6d. net.

LANDMARKS OF EUROPEAN HISTORY. By E. H.
M'DOUGALL, M.A. (Oxon.), Sometime Professor of History and English,
Elphinstone College, Bombay. With many Coloured and Sketch Maps,
Index, &c. 3s. 6d. net.

HEROINES OF EUROPEAN HISTORY. From the Dawn
of Modern History to Last Century. By A. R. HOPE MONCRIEFF. 12 full-
page pictures. 1s. 9d.

HEROES OF THE EUROPEAN NATIONS. From early
Greece to Waterloo. By A. R. HOPE MONCRIEFF. With 12 full-page
illustrations. 1s. 9d.

NOTES ON EUROPEAN HISTORY. For Army Candidates.
By D. L. LIPSON, Senior English Master, Military and Engineering Side,
Cheltenham College. 1s. net.

THE MAIN STREAM OF EUROPEAN HISTORY. By
REV. FREDERICK HARRISON, M.A., Senior History Master, Rutherford
College, Newcastle-upon-Tyne. 2s.

Colonial and Imperial History.

**A SURVEY OF THE BRITISH EMPIRE, Historical,
Geographical, and Commercial.** A new, interesting, and up-to-date
account of the British Empire and the way in which it has been built
up. With Illustrations, Coloured and Sketch Maps, Appendices, and
Geographical Summary. 2s. 6d. net.

**THE BRITISH EMPIRE IN THE NINETEENTH
CENTURY.** An interesting, clear, and unbiased account of the building
up of the British Empire in the nineteenth century. With many Coloured
and other Pictures. 1s. 9d.

A HISTORY OF THE BRITISH EMPIRE. By EDGAR
SANDERSON, M.A. 3s. net.

THE GROWTH OF GREATER BRITAIN. A Sketch of
the History of the British Colonies and Dependencies, with Biographies
of Leading Persons. By F. B. KIRKMAN, B.A., Lincoln College, Oxford.
Illustrated. 1s. 10d.

BRITAIN AND HER NEIGHBOURS. A new departure in
History Teaching correlating Home and Foreign History. With Pictorial
Time-Charts in red and black, and a series of facsimiles of famous
paintings in colour, and many illustrations in black-and-white. Maps,
Appendices, &c.

Book I.—**TALES FROM FAR AND NEAR.** 1s. 4d.

Book II.—**TALES OF LONG AGO.** 1s. 5d.

Book III.—**THE BEGINNINGS.** 55 B.C.—1066 A.D. 1s. 8d.

Book IV.—**LORD AND VASSAL.** 1066—1485. 1s. 10d.

Book V.—**THE NEW LIBERTY.** 1485—1688. 2s.

Book VI.—**THE MODERN WORLD.** 1688 to the present. 2s. 3d.

British History.

THE GROUNDWORK OF BRITISH HISTORY. By GEORGE
TOWNSEND WARNER, M.A., Master of the Modern Side in Harrow
School; and C. H. K. MARTEN, M.A., Assistant Master at Eton College.
With Maps, Diagrams, Time Charts, &c., and a full Index. Completes,
6s. net. In two Parts, 4s. net each: Part I, 55 B.C.—1603; Part II, 1603—
1911. In three Sections, 3s. net each: Section I, 55 B.C.—A.D. 1485; Sec-
tion II, 1485—1714; Section III, 1714—1911.

A BRIEF SURVEY OF BRITISH HISTORY. By GEORGE
TOWNSEND WARNER, M.A. With 16 full-page Illustrations, Maps, Plans,
Summaries, Notes, &c. 1s. 9d. Synopsis, 6d. net.

A SUMMARY OF BRITISH HISTORY. By the Rev. EDGAR
SANDERSON, M.A., late Scholar of Clare College, Cambridge. A clearly
arranged, briefly put epitome. With Appendices. 1s. 6d. net.

READINGS IN ENGLISH HISTORY. FROM ORIGINAL SOURCES. In four Books. A series of interesting selections from
original and (whenever possible) contemporary sources, arranged chronologically to illustrate the chief events and characters of English history. A few
notes on the sources are appended, and a list of tales dealing with the period. With many Illustrations taken from photographs of buildings, illuminated
MSS., drawings of weapons, &c.

Book I. **FROM THE ROMAN INVASION TO STEPHEN.** Edited by
R. B. MORGAN, Whitgift School, Croydon, and E. J. BALLEY, B.A., Whit-
gift School, Croydon. Illustrated. 2s. 6d. net.

Book II. **FROM HENRY II TO RICHARD III.** Edited by the same.
Illustrated. 2s. 6d. net.

THE OXFORD MANUALS OF ENGLISH HISTORY.

General Editor—Prof. C. W. C. OMAN, LL.D., F.S.A., Fellow of All
Souls College; Chichele Professor of Modern History, Oxford. With
Maps, Genealogies, and Index. Price 1s. 3d. net each.

I.—**THE MAKING OF THE ENGLISH NATION** (55 B.C.—1135 A.D.).
By C. G. ROBERTSON, B.A., Fellow of All Souls College;
Lecturer in Modern History, Exeter College.

II.—**KING AND BARONAGE** (1135—1327). By the Ven. W. H.
HUTTON, B.D., Fellow of St. John's College.

III.—**ENGLAND AND THE HUNDRED YEARS' WAR** (1327—1485).
By Professor C. W. C. OMAN, M.A.

IV.—**ENGLAND AND THE REFORMATION** (1485—1603). By G. W.
POWERS, M.A., sometime Scholar of New College.

V.—**KING AND PARLIAMENT** (1603—1714). By G. H. WAKELING,
M.A., Fellow of Brasenose College; Lecturer in Modern
History at Magdalen and Wadham Colleges.

VI.—**THE MAKING OF THE BRITISH EMPIRE** (1714—1832). By
ARTHUR HASSALL, M.A., Student and Tutor of Christ Church.

VII.—**MODERN ENGLAND** (1832—1910). By ARTHUR HASSALL, M.A.

Book III. **FROM HENRY VIII TO THE REVOLUTION.** Edited by the
same. Illustrated. 2s. 6d. net.

Book IV. **FROM THE REVOLUTION TO WILLIAM IV.** Edited by
R. B. MORGAN, M.Lit., and E. E. KITCHENER, M.A., Whitgift School,
Croydon. 2s. 6d. net.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.

Supplement to THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 594.

JANUARY 1, 1919.

THE CARSON-SMITH MATHEMATICAL SERIES.

By G. ST. L. CARSON, M.A., M.Sc., Reader in Mathematics in the University of Liverpool, formerly Head Mathematical Master in Tonbridge School; and DAVID EUGENE SMITH, Ph.D., LL.D., Professor of Mathematics in Teachers College, Columbia University.

ELEMENTS OF ALGEBRA.

Part I. 340 pages **3s. 6d. net.**
 Part II. 214 pages **3s. 0d. net.**
 Parts I and II. 538 pages **5s. 6d. net.**

PLANE GEOMETRY.

Part I. 266 pages **3s. 0d. net.**
 Part II. 216 pages **3s. 0d. net.**
 Complete. 482 pages **5s. 6d. net.**

Among recent text-books which embody the modern spirit of mathematics teaching, the CARSON-SMITH MATHEMATICAL SERIES has for more than four years held a prominent place. Through the emphasis, wherever possible, of the practical aspects of the subject, these books stimulate the student's interest and bring home to him the fact that mathematics has a direct bearing upon the requirements of everyday life. The books abound with problem and rider material of a practical nature, but at the same time the need for skill in actual performance has not been overlooked, and both volumes retain those salient features of the successful drill book.

But an ability to *do* mathematics is not all that is gained by the pupil who uses these books. In addition, the authors assist him towards gaining that thorough understanding of fundamental mathematical principles which is essential if he is to pursue his study beyond its elementary stages, and which makes mathematics, when properly taught, of unique value as an instrument of culture.

AGRICULTURE.

Throughout all the discussion on the Reconstruction Programme for the country, Agriculture has held a prominent position, and in many recent speeches the Prime Minister and others have emphasized the importance of the scientific study of the subject. The undermentioned books combine the latest results of scientific research with full and useful suggestions for the student and practical farmer alike, and will be found of much value for reference purposes.

AGRICULTURE FOR BEGINNERS.

By BURKETT, STEVENS, and HILL. 355 pages. 4s. 6d. net.

A beginner's book which treats in simple fashion the various branches of agriculture. The volume includes many practical exercises designed to encourage the student to test for himself the truth of the statements made in the text.

THE ESSENTIALS OF AGRICULTURE.

By H. J. WATERS. 455 pages. 6s. net.

A book in which definite application of the essentials of agriculture is made to every important branch of farming. The general laws of farm mechanics and of farm economics are developed and applied throughout the book.

COUNTRY LIFE EDUCATION SERIES.

Equipment for the Farm and Farmstead. By H. C. RAMSOWER. 12s. 6d. net.

Fungous Diseases of Plants. By D. M. DUGGAR. 10s. 6d. net.

Garden Farming. By L. C. CORBETT. 10s. 6d. net.

Principles and Practice of Poultry Culture. By J. H. ROBINSON. 15s. net.

Soil Fertility and Permanent Agriculture. By C. G. HOPKINS. 12s. 6d. net.

The Principles of Breeding. Thremmatology. By E. DAVENPORT. 15s. net.

The Apple. By A. E. WILKINSON. 10s. net.

Types and Breeds of Farm Animals. By C. S. PLUMB. 10s. 6d. net.

CATALOGUE ON APPLICATION.

GINN AND COMPANY, 9 St. Martin's Street, Leicester Square, London, W.C.2.

THE EDUCATIONAL SUPPLY ASSOCIATION, Ltd.,

Having completed most of their contracts for Munitions of War, are now in a position to execute promptly orders for school furniture.

Imported woods are very scarce, and consequently very expensive, but The Educational Supply Association having purchased a large quantity of

ENGLISH OAK

are prepared to supply school furniture made of English Oak at reasonable prices.

The Ideal Desk for High Class Schools is the "Stanton" Desk.

The most perfect Hygienic Desk made—a sliding Desk.

It is supplied in six different patterns and in five distinct sizes—the different parts being carefully proportioned in each height.

The Stanton Desk was selected for the use of the Prince of Wales and Prince Edward of York when at their studies both at Marlborough House and Sandringham.



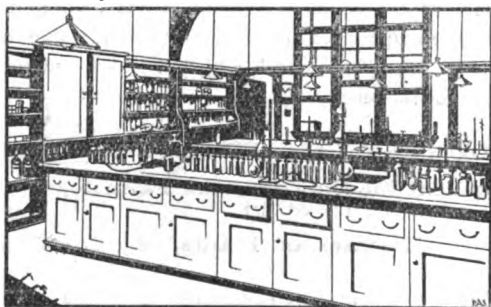
The Educational Supply Association at their Factory at Stevenage, Herts, manufacture every kind of School Furniture.

Pupils' Desks.
Masters' Desks.
Examination Desks.
Art Desks.
Pedestal Tables.
Cupboards. Lockers.
Forms. Tables.
Blackboards. Easels.
Cloakroom Fittings.
Wordwork Benches.



SCIENCE LABORATORY FITTINGS FOR SCHOOLS.

The Educational Supply Association have 25 years' practical experience in the fitting up of school laboratories and carry out the whole of the work, including the gas and water services, flues, and drainage.



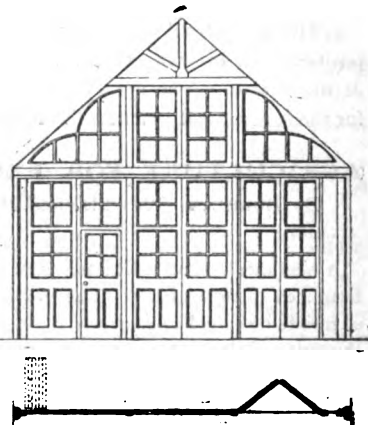
The E.S.A. also supply simple benches for physical work only.
The E.S.A. have supplied laboratory fittings to:—

National Physical Laboratory, Teddington.
Science and Art Department, South Kensington.
Electrical Standardizing Institute, London.
St. Mary's Hospital Medical School.
Merchant Venturers' Technical College, Bristol.
King's College. Dulwich College.
Charterhouse School. Harrow Lower School.

THE "ESAVIAN" PATENT SLIDING AND FOLDING PARTITIONS AND SCREENS.

These partitions are constructed on an entirely new principle which is patented—sliding pilasters being provided between each pair of leaves, the sliding movements being fitted to the pilasters—this arrangement providing the easiest possible movement. Doors on the Esavian principle thirty feet high have been supplied and have proved to be thoroughly satisfactory and reliable.

The partitions can be supplied either made entirely of wood or partially glazed.



EVERYTHING FOR SCHOOLS
The EDUCATIONAL SUPPLY ASSOCIATION LTD
STEVENAGE HOUSE, 40-44 HOLBORN VIADUCT, LONDON, EC.

HARRAP'S LATEST PUBLICATIONS

AN IMPORTANT NEW BOOK.

THE HISTORY OF ARYAN RULE IN INDIA

From the Earliest Times to the Death of Akbar. By E. B. HAVELL. With Photogravure Frontispiece, 32 Full-page Plates and Maps, &c., and Full Index. 620 pages. Gilt top, 15s. net. Also in Half Morocco, 30s. net.

"An informing and illuminating work for which Students and Politicians should be profoundly grateful. Many illustrations of Indian Art and Architecture add to its value and interest."—*Yorkshire Post*.

AN INTRODUCTION TO THE HISTORY OF SCIENCE

By Dr. WALTER LIBBY, M.A. With Eight Illustrations. 304 pages. Size 7½ by 5 in. 5s. net.

"Efficiently written, and free from excessive detail."—*Saturday Review*.

HARRAP'S INTRODUCTORY ALGEBRA

By WILLIAM FARQUHARSON, M.A., Daniel Stewart's College, Edinburgh. Cr. 8vo, 180 pages, with Answers, 2s. net. Also without Answers, 1s. 9d. net.

From the Principal of a Preparatory School:—"Farquharson's Algebra is first-rate, and I shall put an order through in due course. I hope the book will have the success it deserves, for, of the large number of elementary Algebras I have perused in my search for something suitable for beginners, this is the only one that appears to have realized and provided for the extraordinary difficulty of the subject for small boys."

ENGLISH EXTRACTS AND EXERCISES

For Comparative Study and Training in Composition. By F. H. PRITCHARD, Lecturer in Literature at the Municipal Technical School, Devonport. Large Crown 8vo, 256 pages, 2s. 6d. net.

An admirable practice-book in English for lower and middle forms in secondary schools, and for upper classes in primary schools. The main idea is to centre all the week's work in English round a suitable extract. The exercises are abundant and in many cases novel in character. No essential point in elementary English is left untouched, and wherever possible opportunity is taken to stimulate interest in the author or extract under consideration.

HARRAP'S PRACTICAL RUSSIAN GRAMMAR

By R. T. CURRALL, M.A., George Watson's College, Edinburgh. With Phonetic Transcripts, Exercises in the Russian Hand-writings and Vocabularies. 272 pages. Crown 8vo, 6s. net.

A RUSSIAN PRONOUNCING VOCABULARY

With an Introduction on Russian Pronunciation. By R. T. CURRALL, M.A., George Watson's College. Size 5½ by 3 in. 123 pages, limp cloth, 1s. net.

This book contains classified lists of more than 2,000 Russian words, with phonetic pronunciation of each and its English equivalent.

OLD FRENCH NURSERY SONGS

Arranged and Illustrated by ANNE ANDERSON. Accompaniment printed boldly for use at the Piano. With Eight Colour Plates and many Line Drawings and Decorations. Size 11½ by 8½ in. 7s. 6d. net.

This collection comprises some thirty charming French Songs.

Extract from *Musée*:—"The melodies are simple and beautiful in true French manner, the pictures are dainty both as to drawing and colour."

A FIRST SPANISH COURSE

By Profs. E. C. HILLS and J. D. M. FORD. With Exercises and Vocabularies. Crown 8vo, 340 pages, 4s. 6d. net. Key for Teachers only, 5s. 3d. net.

This easier course is designed for much younger pupils than the Authors' previous work.

"A prominent feature is the RESUMEN GRAMATICAL in Spanish at the end of each lesson."—*The Journal of Education*.

LIBRO DE LECTURA PARA PRINCIPIANTES

Edited by E. MAURER, Reading School. With Vocabulary and Exercises. Small Crown 8vo, limp, 160 pages, 2s. net.

LA VIDA DE VASCO NUÑEZ DE BALBOA

By M. J. QUINTANA. Edited with Introduction, Notes and Vocabulary, by A. E. WOOLF, D.Lit. Small Crown 8vo, 116 pages, 1s. 6d. net.

A "one term" Reader, the Text amounting to 64 pages.

CAPÍTULOS ESCOGIDOS DE V. BLASCO IBÁÑEZ

With Notes and Full Vocabulary, by ALEC E. WOOLF, M.A. Crown 8vo, 192 pages, 2s. net.

Selections—each one complete in itself—from the works of the foremost novelist of the present day, whose works have been translated into every European language.

N.B.—New Descriptive Lists of Books in French and Spanish will be sent on application.

THE MEASUREMENT OF INTELLIGENCE

By Dr. LEWIS M. TERMAN, with Introduction by Prof. J. J. FINDLAY, University of Manchester. Crown 8vo, 384 pages, 7s. 6d. net.

An important new book on Experimental Psychology and its latest application in schools and public institutions: provides for the first time a complete set of the Binet-Simon tests in the revised form in which they are used to-day.

These tests are explained and discussed in detail and supplemented by a set of cards reproducing in facsimile and appraising the actual performance of the subjects tested. (In the Press.)

London: GEORGE G. HARRAP & CO., LTD.

Directors: GEORGE G. HARRAP, G. OLIVER ANDERSON.

2 & 3 Portsmouth St., Kingsway, London, W.C. 2

REVIEWS AND MINOR NOTICES.

PSYCHOLOGICAL DOCTRINE.

Psychological Principles. By JAMES WARD.
(21s. net. Cambridge University Press.)

This volume is sure of a cordial welcome from all who are interested in the subject. For many years Dr. Ward's friends have been urging him to publish in a suitable form his contributions to Psychology. Unfortunately, his article on the subject in the "Encyclopædia Britannica" appeared in some way to prevent this. It is true that the article itself was reprinted, but in a specially inconvenient format, which, however, did not prevent it from having a very wide sale and being extensively read. Its content, indeed, has become the property of all students of the subject, even of those who have never read the words of Dr. Ward himself. All teachers of the subject are Dr. Ward's debtors, whether they are conscious of it or not. It is gratifying, therefore, to have the Wardian doctrine set out in the handsome volume now before us. Its author admits that the conditions of its production have resulted in a sort of patchwork, and claims that at any rate the materials are entirely his own. The claim will be at once admitted by competent critics, who, on the other hand, will not be willing to admit the lack of system implied in the author's plea of "patchwork."

Another charge that he anticipates will be less easily disposed of. It has to be admitted that in a certain sense we have here "a belated book." Dr. Ward has no sympathy with the "new" psychology, and his younger readers will no doubt miss something of what they may naturally expect in a book published in the year 1918. But they cannot complain that Dr. Ward does not know of the newer developments. The text, and especially the foot-notes, give abundant evidence of his familiarity with the most recent tendencies. He disregards them because he dislikes them, and because he cannot accept the newer "scientific" writers on the subject as being psychologists at all. Freud does not occur in the index, and when we encounter him in a foot-note it is merely a rebuke to "the Austrian neuropathologist, S. Freud." This we can understand; but it is less easy to forgive the neglect of experimental psychology. Surely Dr. Ward's colleague, Dr. C. S. Myers, might be admitted into the sacred circle of professional psychologists. On the other hand, the older critics will in these pages get what they want. It will warm their hearts to note the prominence given to Sir William Hamilton, of whom the newer men have little knowledge. To tell the truth, Dr. Ward, with all his objections to metaphysics in psychology, is no mean metaphysician himself, and cannot well keep clear of this aspect of his subject. Then, too, he has quite a Socratic belief in the efficacy of clearly defined terms as a means of securing clearness of thought. He tells us that half the difficulties in the way of accepting the law of continuity "are due to defective terminology," and throughout the whole volume he strenuously strains after accurate definition. As a consequence he not infrequently becomes prolix, but the serious student will never find him dull.

In the space at our disposal it is impossible to do justice to Dr. Ward's psychological doctrine. This is the less to be regretted that a detailed criticism would at this stage be almost impertinent. His work has become a classic, and should be treated accordingly. Psychologists who are now elderly have always regarded him as one of their most valued leaders, and the newer generation cannot do better than to master this volume before they set out on that newer psychology which at present lies so hopefully before them.

THE ENGLISH POETS.

The English Poets. Selections with Critical Introductions. Edited by T. HUMPHRY WARD. Vol. V: *Browning to Rupert Brooke*. (10s. 6d. net. Macmillan.)

"Extracts! A pitiable method!" pronounced the great Napoleon; "young people have time to read long books and the imagination to seize all the great things." There is so

much that is sound in this judgment that we may be tempted to forget that it is only a half-truth. Anthologies are mischievous if we misuse them to form our opinions upon insufficient evidence, but it may well be questioned whether the average man appreciates their real educational value. That value is certainly not least for those who know their poets already. To observe which of Tennyson's poems were chosen by an accomplished critic like the late Sir Richard Jebb, when his selection was confined to sixty pages, and to attempt to discover his reasons for choice or rejection, is a first-rate lesson in criticism. Everybody knows Matthew Arnold's belief in the great poem and the great line as a touchstone of taste; and in an educational periodical it is worth while to set on record that so wise an educator as the late F. H. Dale used to say that he thought no more useful work could be done for English literature than a series of anthologies made by discerning judges on the lines of Arnold's selections from Wordsworth, Byron, and Shelley.

For this fifth volume of a famous work it is sufficient praise to say that it fully maintains the critical quality of its four predecessors. For most readers of poetry it will possess an enhanced interest, because reputations are less definitely fixed as we come nearer to our own day, and the opinions of acknowledged authorities are proportionately more valuable. Those whose memories go back over forty years will find a certain melancholy amusement in noting how quickly a popular favourite who never won the franchises of the best judges drops out. The Saturday Reviewer of the early eighties who distinguished between "Mr. Lewis Morris of Penbryn" and "Mr. William Morris of Parnassus" was anticipating—and perhaps assisting to mould—the judgment of posterity. One faded reputation is here revived—Alexander Smith; his prose essays, too, are enjoying a new vogue; but the passages which Mr. Drinkwater selects contain nothing that convincingly explains his inclusion. The puzzle is the greater because Smith died in 1866, and his proper place would have been in Vol. IV. To that volume, by the date of their death, belonged D. G. Rossetti and O'Shaughnessy, whom one instinctively looks for here among their contemporaries. The regrettable omissions are wonderfully few; but we could have spared the extracts from Aubrey de Vere's "May Carols" for the sake of his beautiful sonnet, "Count each affliction," and his perfect lyric on "Sorrow," which are unaccountably absent; and we should have welcomed an example of Myers's quite individual use of the heroic couplet. Among the critical pleasures of the volume we may mention Mr. Mackail's essay on Morris, Mr. Bailey's on Meredith, and Sir S. Colvin's on R. L. Stevenson. One would like to see this collection published at half-a-crown and sold by the hundred thousand.

MODERN EDUCATIONAL SYSTEMS

Comparative Education: Studies of the Educational Systems of Six Modern Nations. Edited by P. SANDIFORD. (8s. 6d. net. Dent.)

In this attempt to meet one of the needs of these times of reconsideration and reconstruction, Dr. Sandiford, formerly of the University of Manchester and now of the University of Toronto, has brought together into one volume a set of studies, undertaken by himself and four other contributors, of the educational systems of six modern nations. The editor himself deals with England and Canada; Dr. W. F. Russell, of Iowa, with the United States; Dr. Kandel, of Columbia, with Germany; Mr. A. H. Hope, of the Roan School, Greenwich, with France; and Dr. Foght, of the United States Bureau of Education, with Denmark. The name of each contributor is well known to all students of "comparative education," the term by which such studies as these are known in America, and are coming to be known in England. The materials contained in the volume, except so far as they are brought up to date at the time of going to press, exist of course already in scattered books and reports. Dr. Sandiford's idea is to bring the materials together in a handy form, and to secure such a degree of uniformity in aim and treatment as will really help

the general reader in making comparisons between the different countries.

Each country, we are told, has been selected with a definite end in view. This is obviously the case with Canada, "a country building up an educational system under pioneering conditions of development," and Denmark, chosen for its "conscious adaptation of an educational system to the needs of an agricultural community." As for the four greater countries, though of course their varied political and social characters strongly affect their educational systems, it is difficult to see how any of them could have been omitted.

The mass of detail packed into the book necessarily causes it to partake of the nature of a work of reference. But this is by no means all. Witness, for example, the clear and interesting pages devoted to the tragically complete subjugation of education to the State in Germany, and the equally interesting estimates by Mr. Hope of the strong and weak features of the various parts of the French school system. Such a book, again, could not possibly be made complete. Dr. Russell, for instance, has had to exclude details regarding the kindergarten, private schools, and colleges and Universities in his account of education in the United States. But in the main we have no doubt that the choice of material has been wisely made. It is naturally the common fate of books of the kind to be somewhat out of date even before they get into the hands of the public, and in the present case this is eminently so as regards England, where educational events have come, and are coming, thick and fast. But the book has a useful purpose to fulfil, and we hope it will reach the hands of very many of our responsible teachers and officials.

EXAMINATIONS.

Examinations. By P. J. HARTOG. (3s. 6d. net. Constable.)

Mr. Hartog has had very special opportunities to study the working of examinations, and has taken full advantage of them. The result is a little book that is of the highest importance at the present time of educational flux. The treatment is suggestive rather than exhaustive. Much more could be written on the subject, but within the desirable limits he has set for himself it is difficult to see how Mr. Hartog could have improved on what he has given us. He is concerned more with the elucidation of his subject than with the credit due to his share in dealing with it. He has laid under contribution the few writers who have preceded him in this neglected field, but he has used all his authorities in such a way as to give new life and meaning to their contributions. At first one is tempted to think that the section on "The Theory of Examinations" is the most valuable in the book, as it is certainly the most original. But reflection shows that perhaps the admirable exposition of the whole subject with its resulting clarification of thought has done better service than any mere addition of new matter. To the superficial reader there will be an appearance of discursiveness and lack of co-ordination, particularly in view of the large number of notes that are found in a sort of appendix. But no one who gives the book the fair play of careful reading can fail to see that it forms a real whole in which the various parts have an organic connexion with one another.

Mr. Hartog's main plea is that those responsible for examinations should make up their minds on the important point of what they would be at. Teachers too often take examinations as a part of the nature of things, and do their best to minimize their evil effects. The new demand forcefully set forth in these pages is that examining bodies must be brought to the bar of professional criticism and made to justify their existence. We teachers are not without blame in the matter, for we sometimes treat examinations as an end instead of merely as a means; but we are not so bad as the examiners, who sometimes deliberately say of a candidate that he "is better than his marks." If we ask, "Why, then, do you not give him better marks?" the answer is that the conditions of examination prevent this; in other words, the examiner is merely a cog in a machine. It is the machine, rather than the cogs, that is arraigned in this book, and examining boards as well as

Government departments will be well advised to attend to what is here presented to them. Mr. Hartog's work was not without effect when parts of this book appeared in periodical literature. It is an open secret that the Royal Commission on Civil Service Appointments and Examinations was not unconnected with a certain lecture at the Royal Society of Arts in 1911. That the Commission had not fully discharged its reference is admitted. The present little book may do something towards causing new activity; but, if nothing further is done in the immediate future, we hope that Mr. Hartog will carry out his half-promise of producing a more elaborate stimulant.

CLASSICS.

- (1) *A Latin Reader*. With Notes and Vocabulary by A. PETRIE. (3s. 6d.) (2) *Roman History, Literature, and Antiquities: an Introduction*. By A. PETRIE. (2s. The two bound together, 5s.) (Oxford University Press.)

Mr. Petrie presents us with two books admirably designed for their definite purpose, viz. "for students preparing for examinations in which no special text is prescribed for study." If such books must be, Mr. Petrie's deserves to be recommended. In his "Reader" he has taken fourteen of the best Latin authors, has given representative and not too short extracts from them, has prefaced each author with an explanatory note, and has added grammatical notes and vocabulary at the end. The manual on Roman History, &c., is to be used with the "Reader" as a general background or atmosphere. It is well done and is illustrated, but we think Mr. Petrie might by cross reference have brought the two books into closer and more real connexion. To return to the "Reader," we have in it two sections, a Junior and a Senior. The Junior has forty pages and is sadly overweighted by the Senior, which has 169. The only poet in the Junior is Phaedrus. It may be a matter of opinion, but there should be passages from Virgil or Ovid within the scope of any student, however junior, who can read extracts at all, and such a student ought to be brought into contact with the best Latin poetry at an early stage. On page 1, line 6, *corum* should be *eorum*; on page 228, *iudicibus* is not for *iudicibus*, but is dative, as the late Prof. Wilkins took it; on page 298, why *perhaps* ethic? It either is or is not; the notes on Propertius (page 323) from line 27 are wrongly numbered; page 341, vowels are not long by position; and page 402, *surreptum* comes from *surripio*, not from *surrepo*, which has no supine.

The Syntax of High-School Latin. Edited by LEE BYRNE.

Revised Edition. (75 cents net. University of Chicago Press.)

This does not pretend to be a contribution to Latin studies, but to scientific procedure in education. As an exercise in the presentation of statistics it is not without value; it is full of elaborate tables and graphs which remind us of nothing so much as the German concordance to the works of Goethe with information upon the number of times the word *und* occurs in his writings. But we hope that even in America they don't really teach Latin on such dreadfully scientific lines as are here indicated! Latin is a language, and should be taught as such; it seems strange to find this admitted even in the introduction to this "scientific" work, when in the section on reading and translating it is insisted that the Latin must first be read before it can be translated. *Verbum sapientiae*—but there are not many more.

The Sibylline Oracles. Books III-V.

By the Rev. H. N. BATE. (3s. 6d. net. S.P.C.K.)

This is one of the series of "Translations of Early Documents," which provides students of Christian origins with handy textbooks unencumbered by commentary or elaborate notes. In a scholarly introduction, forty pages in length, Mr. Bate deals with the Sibylline tradition in Greece and Rome and with the doctrine and eschatology of the Jewish-Christian oracles. In addition to those for whom the series is primarily intended, classical scholars will be interested in things such as the legend of the return of Nero, and we recommend the book to the general reader as a sidelight upon the fascinating subject of parallels between pagan and Christian traditions.

- (1) *Selections from Matthew Paris*; (2) *Selections from Giraldu Cambrensis*. Both arranged by Dr. C. A. J. SKEEL. (3) *Libri Sancti Patricii*. Edited by Dr. N. J. D. WHITE. (The first two, 9d. net each; the latter, 6d. net. S.P.C.K.)

A cheap paper reprint in "Texts for Students" of the writings of medieval monks and others likely to interest students of church history and also the general student of medieval history. There is a short, but adequate, introduction to each.

EDUCATION.

The Twin Ideals. By JAMES W. BARRETT. (Lewis.)

The twin ideals are (1) the organic union of the Commonwealth and (2) the effective education of all adolescents. The sub-title of

the whole is "An Educated Commonwealth." We are not sure whether Dr. Barrett, as an Australian, means the antipodean Commonwealth or the whole of the British Empire. The contents of these two handsome volumes certainly are concerned with Australian affairs, but the fact that they are published in England indicates that their author makes a wider appeal than to his fellow-Australians. It is quite clear that he has himself some doubt about the wisdom of publishing at all, for in his preface he explains that a time will come when Australian development will be examined historically, and that records like his will then be of value, but that in any case the view-point of a man who has lived through the controversies he treats is in itself of importance. It is doubtful, however, whether this wholesale reproduction of magazine and newspaper articles, letters to the editor, and reports of lectures, is a wise spending of labour and paper in times like these. Dr. Barrett obviously feels a little doubtful on the matter himself, for he confesses that "the varied nature of the contributions to this work makes some personal explanation necessary." The explanation takes the form of a catalogue of the author's "diverse positions," each position demanding a different view-point. We must admit that in the "mixed feeding" provided in these volumes there is much that is interesting and instructive, but we are doubtful whether their perusal would greatly benefit any who are not specially concerned with the Australian Commonwealth of Victoria.

Manuscript Writing and Lettering. A Handbook for Schools and Colleges, showing the Historical Development and Practical Application to Modern Handwriting of several Manuscript Styles derived from Ancient Roman Letters. Fully Illustrated. By an EDUCATIONAL EXPERT. (5s. net. John Hogg.)

The last four years have been, almost of necessity, devoid of pedagogic adventure. But there is one notable exception: a movement of reform in handwriting is almost contemporaneous with the war, and so widely has the movement spread that more than half the schools in London, and many others in the provinces, are affected by it. Briefly, it consists in a return to the original sources from which both our print and our script are derived—a return which is explained and justified in the book under review. Indeed the book is likely to become, and is well worthy to become, the standard textbook of the new movement. It gives a lucid and scholarly account of the development of handwriting from Roman times, of the essential forms of the letters now in use, and of the relation between a formal book hand and cursive writing; it gives practical advice on the materials of the art, the methods of practice, the spacing of letters and the illumination and decoration of texts. The illustrations drawn from ancient manuscripts (some of them reproduced from Mr. Edward Johnston's well-known book) are very beautiful, as indeed are some of the specimens given of manuscript writing produced by school children. Enthusiastic teachers of the new (or rather the old) penmanship will be glad to possess this book.

Manchester and the Movement for National Elementary Education (1800-1870). By S. E. MALTBY. (10s. 6d. net. Manchester University Press.)

It is a sure instinct that has led several competent writers in recent years to devote themselves to the history of elementary education in this country during the nineteenth century. With all its faults, the century did most of whatever has been done for the education of the children of the masses, and the forward movement of the new century had to begin where our Victorian forerunners finished. In fact, there can be no genuine understanding of the present position, and therefore no really intelligent attempts at further progress, without an adequate comprehension of the last century. Practical reasons, therefore, as well as reasons of local patriotism, justify the appearance of Mr. Maltby's minute study of the conspicuous part played by Manchester. Lancashire was fated to become the scene of some of the worst evils in connexion with child-labour and the degradation of children. But the other side of the case is the devoted efforts of public-spirited Manchester men to lessen the evils which they were unable to avoid. Some of those men were unknown to fame in a wide sense, but it is in the interests of veracious history no less than of fair play that their names should be rescued from oblivion. We should add that Mr. Maltby has done more than this, for some of his chapters take the national rather than the local view, and will be found of quite general interest and value. His book is a worthy contribution to the excellent educational series of the Manchester University Press.

The Young Wage-Earner and the Problem of his Education. Essays and Reports. Edited by J. J. FINDLAY. (3s. 6d. net. Sidgwick & Jackson.)

This collection of papers and reports, contributed by members of the Uplands Association, is a timely production, and ought to receive a welcome from those who are practically interested in carrying out the provisions for continued education made in the Education

Act. Prof. Findlay makes a brief statement of the conclusions to which he and his colleagues have been led, and these conclusions are then elaborated in a series of fine essays of a general character, followed by a number of reports on specific matters illustrative of the general positions taken up. The reports are characterized by that liveness and actuality which one connects with first-hand observation and experience.

Ethics of Education. By B. DE NORMANN and G. COLMORE. (2s. Theosophical Publishing House.)

The authors of this book, whilst agreeing that current administrative changes, including nursery schools and schemes for continued education, are of real importance, point out that, if these changes are to be really progressive, the spiritual attitude towards education of those who control them must also be changed. The authors approve of the ideals represented by such names as Mme Montessori, Mr. Holmes, and Prof. Dewey. But they believe that the "philosophy of life" which Mr. Holmes desiderates as the true basis of education has not yet been constructed, and the purpose of this book is to formulate such a philosophy by studying education "in the light of the Ancient Wisdom."

Present-Day Applications of Psychology. By C. S. MYERS. (1s. net. Methuen.)

This little book, which presents in permanent form two lectures delivered at the Royal Institution in April last, discusses the applications of modern psychology with special reference to industry, education, and nervous breakdown. The name of Dr. Myers, the leading experimental psychologist of this country, is a sufficient guarantee of excellence of treatment. Though more space is given to industry and nervous breakdown than to education, yet the booklet should be of great interest to progressive teachers. A marked feature of the lectures is the number of striking instances that are given by way of illustration.

Learners as Leaders. By H. SPENSER WILKINSON. (1s. 6d. net. Manchester University Press.)

The Manchester University Press has done well to issue in book form the address delivered by Prof. Wilkinson at a memorial service held in April last for members of the University who have fallen in the War. As an old student, and later as lecturer in military history, at Queen's College, the Oxford professor was in entire sympathy with the *genius loci* in speaking to his Manchester audience. But the address has more than a local reference, because of the wise things the lecturer had to say about ideals of University education.

Our Schools in War-Time—and After. By Dr. A. D. DEAN. (6s. net. Ginn.)

This book should prove very interesting to any one who desires to know something of educational thought in America during the War. The writer truly says that at the beginning of the War England nearly wrecked her schools, and is now repairing the mistakes of hurried action. We should add that she is doing a great deal more than that. America, which had ample opportunity of profiting by our mistakes, could from the first use the War to make better schools. Now, says Dr. Dean, we are serving for the Red Cross; later we shall serve for institutions in our community. Now we are to teach patriotism and thrift because the nation needs them; later we shall teach them because they are essential in themselves. Now we have extension courses in economical cooking as a War measure; later we shall have them as a home measure. Now also is the time for evaluating our school subjects in terms of real national needs. All that we are doing to make the world safe for democracy may be effectively used after the War to make democracy safe for the world. We must see that all possible good shall come out of the terrible evil of war. Such is the note struck by Dr. Dean's book, from which we in this country may well draw inspiration.

GEOGRAPHY.

Seaways of the Empire. By A. J. SARGENT. (7s. 6d. Black.)

In this volume Prof. Sargent describes the great trade routes of the world with special reference to British shipping. The analysis of the trade along the various routes is particularly instructive, and reasons are suggested where there is a marked difference between the outward and homeward tonnage. The chief value of the book is that the investigations are suggestive rather than conclusive; the author presents the difficulties of the problem, he then offers certain explanations, but leaves the student to find other determining factors. The discussion of the advantages and disadvantages of the routes *via* Suez and Panama respectively exemplifies the method pursued in the various chapters. The distance factor is thoroughly investigated, and it is then suggested that the length of voyage between coaling stations, the price of coal, availability of cargo, weather conditions, and other factors must be taken into account when the course of a ship is being decided upon.

This book, dealing with seaways, cargoes, and ports, might be used with advantage as a supplement to the textbooks on commercial geography which deal with production rather than with transport. For purposes of comparison, the author states the net register tonnage of ships, the figures being given in million tons, and in most cases the statistics are confined to the year 1912. Instead of incorporating the figures in the text it would have been clearer if the shipping statistics had been presented in tabular form. The figures for one year are apt to be misleading, as in the case of coal exported from Great Britain to the Canary Islands in 1912; the author points out that the quantity was twenty-five per cent. above the normal. Averages for tonnage, quantities, and values for a period of years should be given in order that the student may examine the figures for a particular year in relation to the normal or average quantities. In the six map diagrams the volume of trade is shown by a series of parallel lines, each line representing so many tons. This type of illustration is more suited to an article in a popular magazine than to a book intended for students.

The World We Live In. Edited by GRAEME WILLIAMS. (The Waverley Book Co.)

Earlier volumes have already been reviewed, and the high standard of the first is maintained in the concluding volume, which deals with South America, Europe, and Asia. With the exception of one chapter, the section on South America is the work of Mr. W. H. Koebel, his chapters on flora and fauna being particularly interesting and well illustrated. The chapters on Europe by Prof. Grenville Cole are of great interest; they contain vivid descriptions of scenery and its relation to rock structure, and are written from first-hand knowledge acquired through much travelling on the continent. Teachers will find this section immediately useful. The chapters on Asia are by Prof. Arthur Holmes and Mr. R. J. Finch. Much detailed information is given and the maps showing lines of communication, such as the navigable waterways of Siberia in relation to the Trans-Siberian Railway, give information which is not easily obtainable elsewhere. These volumes would be of value in any teachers' or school library.

HISTORY.

An Outline Sketch of English Constitutional History. By G. B. ADAMS. (7s. 6d. net. Yale University Press.)

It has been said that no one ought to write a short book on any subject until he has written—or, at any rate, accumulated the materials for—a large one on the same theme. Prof. G. B. Adams, of Yale University, has read and written much on the English Constitution. He is acknowledged on both sides of the Atlantic to be an expert authority upon many problems of legal and constitutional history. The result of his wide erudition is seen in the fact that the brief sketch which he here presents moves with easy mastery through the complicated details of the story of the development of English institutions, reducing them to order and infusing them with life. It is a remarkable achievement to have compressed the whole narrative into some 50,000 words; yet the sketch gives no sense of undue condensation or of incompleteness. Much, of course, is omitted. Local institutions, for instance, are hardly touched upon. But unity is given, and the omissions are explained, by the fact that the book has been written for American students in order primarily "to show how modern liberty came to be what it is, and what foundations our institutions have in the past history of the race." English students, no less than American, will profit from a perusal of this very able sketch.

Evolution of the Dominion of Canada. By EDWARD PORRITT. (Harrap.)

We cordially welcome a new series of "Government Handbooks," edited by Dr. D. P. Barrows and Mr. T. H. Reed. Both the editors are professors in the University of California; but both are also practical men—the one at present a colonel in the American army, the other the city manager of San Jose in California. The handbooks are intended to combine instruction in political theory with information concerning the actual working of existing political institutions. The first volume of the series, now before us, gives an exhaustive account of the evolution of the Dominion of Canada, with a full description of the operation of its present federal constitution. It is a lucid and businesslike account, unadorned with rhetoric, but full of valuable information for students of comparative politics. Two other volumes in the series relate to Switzerland and Germany respectively. Further volumes announced will deal with American Dependencies, France, Britain, Japan, &c.

Greek Political Thought: Plato and his Predecessors.

By ERNEST BARKER. (14s. net. Methuen.)

Twelve years ago Mr. Ernest Barker, of Oxford, published an im-

(Continued on page 68.)

PUBLISHED BY MACMILLAN & CO., Ltd. OXFORD LOCAL EXAMINATIONS, 1919.

ENGLISH.

- Shakespeare.—Twelfth Night.** K. DEIGHTON. 2s. [Junior and Senior]
 — **Twelfth Night.** E. P. MORTON. 1s. 6d. net. [Junior and Senior]
 — **Twelfth Night.** W. M. HART. 1s. 3d. net. [Junior and Senior]
 — **Twelfth Night.** Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
 — **Richard II.** K. DEIGHTON. With an Appendix. 2s. [Junior and Senior]
 — **Richard II.** H. CRAIG. 1s. 3d. net. [Junior and Senior]
 — **Richard II.** J. H. MOFFATT. 1s. 6d. net. [Junior and Senior]
 — **Richard II.** Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
 — **Henry V.** K. DEIGHTON. With an Appendix. 2s. 6d. [Junior and Senior]
 — **Henry V.** R. H. BOWLES. 1s. 6d. net. [Junior and Senior]
 — **Henry V.** L. F. MOTT. 1s. 3d. net. [Junior and Senior]
 — **Henry V.** Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
 — **Macbeth.** K. DEIGHTON. With an Appendix. 2s. [Junior]
 — **Macbeth.** J. C. SCRIMGEOUR. 3s. [Junior]
 — **Macbeth.** C. W. FRENCH. 1s. 6d. net. [Junior]
 — **Macbeth.** A. C. L. BROWN. 1s. 3d. net. [Junior]
 — **Macbeth.** Eversley Edition. With Notes. 1s. 3d. [Junior]
 — **Much Ado About Nothing.** K. DEIGHTON. With an Appendix. 2s. [Junior]
 — **Much Ado About Nothing.** W. W. LAWRENCE. 1s. 3d. net. [Junior]
 — **Much Ado About Nothing.** Eversley Edition. With Notes. 1s. 3d. [Junior]
 — **The Tempest.** K. DEIGHTON. 2s. [Senior]
 — **The Tempest.** H. E. GREENE. 1s. 3d. net. [Senior]
 — **The Tempest.** Eversley Edition. With Notes. 1s. 3d. [Senior]
 — **As You Like It.** K. DEIGHTON. 2s. [Senior]
 — **As You Like It.** C. R. GASTON. 1s. 6d. net. [Senior]
 — **As You Like It.** M. H. SHACKFORD. 1s. 3d. net. [Senior]
 — **As You Like It.** Eversley Edition. With Notes. 1s. 3d. [Senior]
Scott.—Ivanhoe. With Introduction and Notes. 3s. [Junior]
 — **Ivanhoe.** H. M. HITCHCOCK. 1s. 6d. net. [Junior]
 — **Marmion and the Lord of the Isles.** F. T. PALGRAVE. 1s. 3d. [Junior]
 — **The Lord of the Isles.** H. B. COTTERILL. 3s. [Junior]
 — **The Abbot.** 2s. 6d. net. [Senior]
 — **The Lay of the Last Minstrel and The Lady of the Lake.** F. T. PALGRAVE. 1s. 3d. [Preliminary and Senior]
 — **The Lady of the Lake.** G. H. STUART. 3s. [Senior]
 — **The Lady of the Lake.** E. A. PACKARD. 1s. 6d. net. [Senior]
Milton.—Lycidas and Comus. W. BELL. 1s. 9d. [Junior]
 — **Lycidas.** W. BELL. 6d. [Junior]
 — **Lycidas, L'Allegro, Il Penseroso, &c.** W. BELL. 2s. [Senior]
 — **Areopagitica.** H. B. COTTERILL. 2s. 6d. [Senior]

ENGLISH—continued.

- Milton.—Comus.** W. BELL. 1s. 6d. [Senior]
 — **Comus, &c.** S. E. ALLEN. 1s. 6d. net. [Senior]
Longfellow.—Evangeline. H. B. COTTERILL. 2s. [Junior]
 — **Evangeline.** L. B. SEMPLER. 1s. 6d. net. [Junior]
Byron.—Childe Harold's Pilgrimage. E. E. MORRIS. Cantos I and II, 2s.; Cantos III and IV, 2s. [Junior and Senior]
 — **Childe Harold's Pilgrimage.** Cantos III and IV. J. H. FOWLER. 1s. 3d. [Junior and Senior]
 — **Childe Harold.** A. J. GEORGE. 1s. 6d. net. [Junior and Senior]
Elliot.—Silas Marner. E. L. GULICK. 1s. 6d. net. [Junior]
Dickens.—David Copperfield. 2s. 6d. net. [Senior]
Bacon.—The New Atlantis. A. T. FLUX. 1s. 3d. [Senior]
Arnold.—Essays in Criticism. First Series. 1s. 6d. net. [Senior]
Spenser.—Faerie Queene. Book I. H. M. PERCIVAL. 3s. [Senior]
 — **Faerie Queene.** Book I. G. A. WAUCHOPE. 1s. 6d. net. [Senior]
Austen.—Emma. 2s. 6d. net. [Senior]
Tennyson.—The Princess. W. P. M. WALLACE. 3s. [Senior]
 — **Enoch Arden.** W. T. WEBB. 2s. [Junior]
 — **Poetical Works.** Globe Edition. 4s. 6d. [Senior]
Palgrave.—The Golden Treasury of Songs & Lyrics. Selected by F. T. PALGRAVE. 1s. 9d. net. [Senior]
Thackeray.—Pendennis. 2s. 6d. net. [Senior]
Chaucer.—The Works. Ed. by A. W. POLLARD, M.A. 4s. 6d. [Senior]
Marlowe.—Dr. Faustus. W. MODLEN. 1s. 9d. [Senior]

LATIN AND GREEK.

- Cæsar.—Gallic War.** Book IV. With Notes and Vocabulary. By C. BRYANS. 1s. 9d. [Senior]
 — **Gallic War.** Books II and III. With Notes and Vocabulary. By W. G. RUTHERFORD. 1s. 9d. [Junior and Senior]
Cicero.—De Senectute. With Notes and Vocabulary. By E. S. SHUCKBURGH. 1s. 9d. [Senior]
Virgil.—Æneid. Book I. With Notes and Vocabulary. By T. E. PAGE. 1s. 9d. [Senior]
 — **Æneid.** Book I. With Notes and Vocabulary. By A. S. WALPOLE. 1s. 9d. [Senior]
 — **Æneid.** Book II. With Notes and Vocabulary. By T. E. PAGE. 1s. 9d. [Senior]
Horace.—Odes. Books III and IV. With Notes and Vocabulary. By T. E. PAGE. 1s. 9d. each. [Senior]
 — **Odes.** Books III and IV. T. E. PAGE. 2s. 6d. each. [Senior]
Cicero.—The Second Philippic Oration. J. E. B. MAYOR. 4s. [Senior]
Xenophon.—Anabasis. Book III. With Notes and Vocabulary. By G. H. NALL. 1s. 9d. [Junior and Senior]
 — **Anabasis.** Books I-IV. W. W. GOODWIN and J. W. WHITE. 4s. [Junior and Senior]
Euripides.—Hecuba. With Notes and Vocabulary. By J. BOND and A. S. WALPOLE. 1s. 9d. [Senior]
Plato.—Euthyphro and Menexenus. With Notes. By C. E. GRAVES. 1s. 9d. [Senior]

Complete List, including the Higher School Certificate Examination, free on application.

MACMILLAN & CO., Ltd., ST. MARTIN'S STREET, LONDON, W.C. 2.

portant book entitled, *The Political Thought of Plato and Aristotle*. It was at once recognized as a work of remarkable erudition and insight, and it has maintained its place as an indispensable authority for all students who are seriously investigating ancient political ideas. A new edition having been called for, Mr. Barker was engaged upon the task of revision when the War broke out. Official duties have prevented the completion of the task, and the volume before us represents but one half of it. The revision of this half, however, has been so drastic that the half is as big as the former whole, and there is so much new matter that Mr. Barker has quite rightly changed the title and issued it as substantially a new book. The study of the political conceptions of the Sophists and of Socrates is much fuller than it was before; Plato himself is treated with more exhaustive detail; above all, there are new and important chapters on the Greek City State. This is undoubtedly a great book. It confirms Mr. Barker's position as one of the leading political theorists of our day. We eagerly anticipate the promised second volume on Aristotle and his Successors.

A First History of England. By M. W. KEATINGE.
(3s. 6d. Black.)

Dr. Keatinge is well known as an able advocate of the source method of teaching history in schools. That method, of course, is applicable only to the more advanced pupils. Dr. Keatinge has evidently recognized the need of an elementary textbook which shall prepare young children for the more difficult inductive studies of later years. The book before us provides what is required. It lays stress on the social and economic aspects of history, and it supplies a series of 130 pictures drawn from contemporary originals which are intended to serve as the basis for observation and description. It is exceedingly attractive and interesting.

The French Revolution in English History. By P. A. BROWN.
(7s. 6d. Crosby Lockwood.)

Mr. P. A. Brown, of New College, Oxford, and Lecturer in Durham University, was one of the finest and most promising of the younger generation of historians. Unhappily, he was also one of those whose lamentable fate it was to perish in the War. And yet, being dead, he speaks, and speaks perhaps as effectively and powerfully as if he had lived a long life in normal times. On one hand, his memory endures with those who knew him, and its influence is shortly to be extended by means of a biography which is

in process of preparation. On the other hand, he has left this account of the effect of the French Revolution upon England, which shows the high quality of the work of which he was capable. Although unrevised, it reveals remarkable maturity of judgment, width of reading, and grace of style. It is a notable contribution to the history of political ideas.

MEDICAL.

Dent's New Medical Dictionary. By W. B. DRUMMOND.
(10s. 6d. net.)

This is a most useful and comprehensive work, and should have a wide circulation as a book of reference. Dr. Drummond has written it for the lay public, who are fortunate in being given the information they require in such an able and scientific way. Many of the articles are most interesting reading, and the author has made an excellent selection of topics that are before the public at the present time. We would mention especially those on Trade Diseases, Sanitation, Food, and Flies and Disease. The articles on modern methods of treatment and the latest advances of medical knowledge give all the necessary information, and the plates illustrating them are remarkably good. We fear that Dr. Drummond's pious hope that the ordinary person over forty is a physician and not a fool is often proved to the contrary, and it might have been wiser in dealing with potent remedies such as adrenalin and bromides to have withheld the dose. The advice given under the heading, "Appendicitis: Treatment," is open to criticism, if Dr. Drummond means "surgeon" in the technical sense. The patient's physician is surely the person to decide whether an operation is necessary. But we can find little to criticize in this admirable dictionary, which should be useful to a wide range of readers.

The Edinburgh School of Surgery before Lister.
By ALEX. MILES. (5s. net. Black.)

This admirably written account of one of the most famous schools of surgery in the United Kingdom will naturally appeal primarily to those members of the profession who look to Edinburgh as their Alma Mater, and it will help them to realize of how great a tradition they are the heirs. But the story is one of general interest for all those who love to trace the growth of a great science through the centuries. The history of the Edinburgh School is traced step

(Continued on page 72.)

MACMILLAN'S NEW BOOKS.

THE ENGLISH POETS. Selections with Critical Introductions by various writers, and a General Introduction by MATTHEW ARNOLD. Edited by THOMAS HUMPHRY WARD, M.A. Vol. V. BROWNING TO RUPERT BROOKE. Crown 8vo. 10s. 6d. net.

The New Statesman—"I don't know where else so much of the best work of the nineteenth century can be obtained within one cover."

DEMOCRACY AT THE CROSSWAYS. A Study in Politics and History with Special Reference to Great Britain. By F. J. C. HEARNshaw, M.A., LL.D., Professor of History in King's College, University of London. 15s. net.

THE BRITISH NAVY: The Navy Vigilant. By L. COPE CORNFORD. Illustrated. 2s.
A book on the Navy written for the boys and girls of the British Commonwealth.

FIGHTING FOR SEA POWER IN THE DAYS OF SAIL. By H. W. HOUSEHOLD, Author of "Our Sea Power." Illustrated. 2s.
The Scottish Educational Journal—"This is a fine boys' book. It is after the style of 'Fights for the Flag,' and can well stand comparison with it."

A HEALTH READER FOR GIRLS. By AGNES L. STENHOUSE and E. STENHOUSE, B.Sc., A.R.C.Sc. Fully Illustrated. 3s.

ORAL & WRITTEN EXERCISES IN ENGLISH COMPOSITION. By ROBERT S. WOOD, Author of "Word-Building and Composition Series," &c. Sewed.

PRIMARY, 6d. INTERMEDIATE, 8d.
JUNIOR, 7d. SENIOR, 9d.

THE ELEMENTS OF ANIMAL BIOLOGY
A Text-book adapted for use in Australia. By WILLIAM J. DAKIN, D.Sc., F.L.S., F.Z.S. Illustrated. 7s. 6d.

JUNIOR GRADE SCIENCE. An Introductory Course of Physics and Chemistry for Irish Intermediate Schools. By GEORGE A. WATSON, Associate of the Royal College of Science, Ireland. Limp cloth. 3s. 6d.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C.2.

CONTOURING AND MAP-READING.
By B. C. WALLIS, B.Sc., F.R.G.S. Sewed, 2s.

. Suitable for Schools and Officers' Training Corps.
The Field—"Students of Map-reading will find many useful facts and formulae in a Text-book by Mr. B. C. Wallis entitled—Contouring and Map-reading."

MACMILLAN'S GEOGRAPHICAL EXERCISE BOOKS. PHYSICAL GEOGRAPHY.

WITH QUESTIONS. By B. C. WALLIS, B.Sc., F.R.G.S. Sewed, 1s. 6d.

The Scottish Educational Journal—"The Exercises set by Mr. Wallis in this exercise book require no comment. Every teacher of the subject knows the great benefit he has derived from the previous numbers."

CAMBRIDGE LOCAL EXAMINATIONS, 1919.

ENGLISH.

- Tennyson for the Young.** A. AINGER. 1s. 3d. net. [Preliminary]
- Kingsley.—The Heroes.** H. B. COTTERILL. 1s. 9d. [Preliminary]
- **The Heroes.** C. A. McMURRY. 1s. 6d. net. [Preliminary]
- Shakespeare.—As You Like It.** K. DEIGHTON. With an Appendix. 2s. [Junior and Senior]
- **As You Like It.** C. R. GASTON. 1s. 6d. net. [Junior and Senior]
- **As You Like It.** Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **As You Like It.** M. H. SHACKFORD. 1s. 3d. net. [Junior and Senior]
- **TWELFTH NIGHT.** K. DEIGHTON. With an Appendix. 2s. [Senior]
- **Twelfth Night.** E. P. MORTON. 1s. 6d. net. [Senior]
- **Twelfth Night.** W. M. HART. 1s. 3d. net. [Senior]
- **Twelfth Night.** Eversley Edition. With Notes. 1s. 3d. [Senior]
- Tennyson.—The Lady of Shalott and other Poems.** J. H. FOWLER. 2s. [Junior]
- Scott.—Kenilworth.** With Introduction and Notes. 3s. [Junior]
- **Waverley.** 2s. 6d. net. [Senior]
- Eliot.—Silas Marner.** E. L. GULICK. 1s. 6d. net. [Junior]
- **Silas Marner.** Abridged by MAY COPSEY. (In the Press.) [Junior]
- Longfellow.—Tales of a Wayside Inn** (containing The Saga of King Olaf). J. H. CASTLEMAN. 1s. 6d. net. [Junior]
- Byron.—Childe Harold's Pilgrimage.** Cantos III. and IV. E. E. MORRIS. 2s. [Junior]
- **Childe Harold's Pilgrimage.** Cantos III and IV. J. H. FOWLER. 1s. 3d. [Junior]
- **Childe Harold.** A. J. GEORGE. 1s. 6d. net. [Junior]

Complete List, including the Higher School Certificate Examination, post free on application.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C.2.

ENGLISH—continued.

- Thackeray.—The Virginians.** 2s. 6d. net. [Senior]
- Palgrave.—Golden Treasury of Songs and Lyrics.** 1s. 9d. net. [Senior]
- **Golden Treasury of Songs and Lyrics.** Book III. J. H. FOWLER. 2s. [Senior]
- Macaulay.—Life of Johnson.** H. B. COTTERILL. 2s. 6d. [Senior]
- **Life of Pitt.** R. F. WINCH. 2s. 6d. [Senior]

LATIN AND GREEK.

- Cæsar.—De Bello Gallico.** Book VII. With Notes and Vocabulary. By J. BOND and A. S. WALPOLE. 1s. 9d. [Junior and Senior]
- Virgil.—Æneid.** Book I. With Notes and Vocabulary. By A. S. WALPOLE. 1s. 9d. [Junior and Senior]
- **Æneid.** Book I. With Notes and Vocabulary. By T. E. PAGE. 1s. 9d. [Junior and Senior]
- Cicero.—De Amicitia.** With Notes and Vocabulary. By E. S. SHUCKBURGH. 1s. 9d. [Senior]
- Xenophon.—Anabasis.** Book VI. With Notes and Vocabulary. By G. H. NALL. 1s. 6d. [Junior]
- Euripides.—Alceſtis.** With Notes and Vocabulary. By M. A. BAYFIELD. 1s. 9d. [Junior and Senior]
- **Alceſtis.** Edited by M. L. EARLE. 4s. [Junior and Senior]
- Thucydides.—Book III.** Edited by E. C. MARCHANT. 4s. [Senior]
- Demosthenes.—The First Philippic.** Edited by T. GWATKIN. 3s. [Senior]
- **Philippic I and Olynthiacs I-III.** Edited by Sir J. E. SANDYS. 6s. [Senior]
- **On the Peace, Second Philippic, On the Chersonesus and Third Philippic.** Edited by Sir J. E. SANDYS. 6s. [Senior]

W. & A. K. JOHNSTON'S MAPS, &c.

ATLAS GEOGRAPHIES.

Preparatory Atlas Geography.

Earth Lore. An Elementary Introduction to Geography. Limp Cloth, 1s. net. Sewed, 9d. net. With Index. 1d. extra.

The World and its Peoples. Limp Cloth, 10d. net. Sewed, 8d. net. Limp Cloth, 1s. net; Sewed, 9d. net each. With Index, 1d. extra.

British Isles.	Australasia.
Europe.	North America.
(excluding British Isles).	South America.
Asia.	India.
Africa.	

British Empire beyond the Seas. For Upper Standards of Elementary Schools and Lower Forms of Secondary Schools. Limp Cloth, 1s. net. Sewed, 9d. net. With Index, in Stiff Cloth, Boards, 1s. 4d. net.

A Physical Geography. Practical Exercises on each part. 11 Maps and 85 Diagrams. 2s. 6d. net.

Junior Atlas Geography of the World. 7 Blank Orographical Maps, 88 Special Maps, and 20 Sketch Maps. Practical Exercises on each Section. 4s. net.

A Physical Geography and Junior Atlas Geography of the World. 5s. 6d. net.

Senior Atlas Geography of the World. On a Regional Basis. (In preparation.) Separately:—British Isles, 2s. 6d. net. Asia, 2s. 6d. net. Africa, 2s. 6d. net.

Commercial Atlas Geography. 6s. net.

HISTORY'S BACKGROUND.

By J. S. TOWNSEND, B.A., and T. FRANKLIN, A.C.P., A.R.S.G.S.

With Maps, 6s. net. Books I to III, 2s. net each.

Book I.—EURASIA, including the Mediterranean Region. The Dawn of History to the close of the Fifteenth Century.

Book II.—The AMERICAS and the Growth of the British Empire. From Elizabethan Times to the Present Day.

Book III.—THE BRITISH ISLES.

Correlated with History to the Present Day.

W. & A. K. JOHNSTON'S

The World-Wide Atlas.

Containing 128 Beautifully Coloured, Up-to-Date Maps, with a Complete Index to 67,000 Places. *New Edition.* 12½ by 10 inches. Cloth, 11s. net.

The Multum in Parvo Atlas of the World.

With Descriptive Text and Complete Index. *New and Revised Edition.* 3s. 6d. net.

APPLICATIONS FOR "SPECIMENS" ARE INVITED BY

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C.2.

Cambridge University Press

NEW EDUCATIONAL PUBLICATIONS

Cambridge Readings in Literature. Edited by GEORGE SAMPSON. In five books. Crown 8vo.

NOW READY—

- Book I, pp. xiv. + 248, with 24 plates,
 Cloth flush (school edition) 3s 6d net
 Cloth limp 4s 3d net
 Cloth boards, uncut edges, with bookmarker,
 (Library edition) 5s net
- Book V, pp. xx + 288, with 24 plates,
 Cloth flush (school edition) 4s net
 Cloth limp 5s net
 Cloth boards, uncut edges, with bookmarker,
 (Library edition) 6s net

READY IN JANUARY—

- Book II, pp. xvi + 248, with 20 plates
 Book III, pp. xvi + 236, with 20 plates
 Book IV, pp. xviii + 286, with 24 plates

The editor's aim has been to give young readers the pleasure that is also a profit—to afford them the varied excitements (and incitements) of miscellaneous reading, to introduce to their notice certain poems, passages, books and writers, great or famous, or merely entertaining, and to associate with these a few pictures, drawings, and engravings of widely differing schools and periods. The variety of the entertainment is part of the plan, and the range of the selection has been made very wide. Modern and even contemporary work has been drawn upon.

The Story of the People of Britain. In four books. Crown 8vo

- Book I, 55 B.C.—1485 A.D. By MARY SARSON. With 54 Illustrations. 2s
- Book II, 1485–1688. By MARY SARSON. With 58 Illustrations. 2s 3d
- Book III, 1688–1815. By LUCY HANSON. With 62 Illustrations. 2s 6d
- Book IV, 1815–1914. By LUCY HANSON. With 67 Illustrations. 2s 9d

"These excellent primers of English history are notable for fine type, attractive contemporary illustrations, and clarity of style. The use of ballads and contemporary documents gives, in the earlier chapters, verisimilitude to the text. The story of the successive centuries brings out something at least of the actual life and customs and manners of the people, and makes our history a living thing."—*The Times*

Milton: Areopagitica. With a Commentary by Sir RICHARD C. JEBB, and with supplementary material. Extra fcap 8vo. 3s net. Pitt Press Series

The Commentary on Milton's *Areopagitica* here printed (Introduction, Analysis, and Notes) was privately printed by Sir R. C. Jebb for the use of a course of lectures given at Cambridge in the Lent Term of 1872. Mr Verity has compiled a short appendix of comments, drawn mainly from his own editions of Milton published by the University Press, and has added the brief *Life*.

"Sir Richard Jebb's introduction, analysis, and notes—dealing especially with the numerous classical allusions—have the clarity and precision to be expected from the great scholar, and the new edition of the famous tractate may be warmly commended."—*The Spectator*

Lord Macaulay: History of England.

Chapter III. The State of England in 1685. Edited by W. F. REDDAWAY, M.A. Extra fcap 8vo. 2s 3d net. Pitt Press Series

"The value of the volume for pupil teachers and senior scholars in secondary schools will at once be recognized by every teacher."—*The Schoolmaster*

"Schoolboys could not have a better guide to this famous chapter than Mr Reddaway; his notes are few, up-to-date, and judicious."—*The Cambridge Review*

Cambridge Essays on Education. Edited by A. C. BENSON, C.V.O., LL.D., Master of Magdalene College, with an introduction by the Right Hon. VISCOUNT BRYCE, O.M. 7s 6d net

"This important collection of essays on education strikes the right note at the right moment. It is an appeal, from the most diverse minds, to the nation to make education in the noblest sense a national possession."—*The Times Educational Supplement*

Elements of Religion and Religious Teaching. By E. T. CAMPAGNAC, Professor of Education in the University of Liverpool, formerly H.M. Inspector of Schools. Crown 8vo. 3s 6d net

"The book is one of great distinction in subject matter and in style. Every teacher who reads it will feel that he is raised to a serener atmosphere than used to be in the old type of writing—for and against—religion, in the teacher and in the school."—*The Journal of Education*

The Port-Royalists on Education. Extracts from the Educational Writings of the Port-Royalists. Selected, translated, and furnished with an introduction and notes, by H. C. BARNARD, M.A., B.Litt., sometime Senior Hulme Scholar of Brasenose College, Oxford; Author of *The Little Schools of Port-Royal*, &c. Crown 8vo. 7s 6d net

"The Port-Royalists merit the attention of all who are interested in the history of European civilization; while those whose mission it is to teach the young will find their theories and methods endlessly suggestive."—*Extract from the Preface*

The Book of Deuteronomy. In the Revised Version. With introduction and notes by Sir GEORGE ADAM SMITH. 6s 6d net

With the publication of the Book of Deuteronomy, the Old and New Testaments in the Cambridge Bible for Schools are completed.

"Those who have studied Sir George Adam Smith's brilliant commentaries on the prophets will welcome a volume from his pen upon the Book of the Law. They will find the same fine scholarship, the same enthusiasm for his subject, which they have been taught to look for in all this writer's previous work. . . . We congratulate the editor of the Cambridge Bible for Schools and Colleges on an addition to the series which is far above the average text-book in importance."—*The Church Times*

Translation from French. By R. L. G. RITCHIE, M.A., Lecturer in French in the University of Edinburgh, and JAMES M. MOORE, M.A., Rector of the Madras College, St. Andrews. Demy 8vo. 6s 6d net

"The authors have followed up their fine 'Manual of French Composition' by an equally successful book on the sister art of translation from French. We cannot sufficiently commend the manner in which they have performed their work. The niceties of French translation are subtly explained. The principles of the art are expounded in great detail and lavishly illustrated. Numerous passages, representative of many schools, are given, the difficulties discussed with care, and renderings, revealing a delicate appreciation of the beauties of both languages, laid before the reader. The book deserves, and is certain to win, the greatest possible degree of success."—*The Scottish Educational Journal*

By the same Authors:

A Manual of French Composition.

Demy 8vo. 5s net

Selections from Sainte-Beuve. Edited by ARTHUR TILLEY, M.A., Fellow and Lecturer of King's College, Cambridge. Crown 8vo. 6s net.

CONTENTS:—Introduction.—MOLIÈRE, 1835. Portraits Littéraires, II—From Du Génie Critique et de Bayle. 1835. Portraits Littéraires, I—MONTAIGNE, 1842. Port-Royal, II—Mme GEOFFRIN. 1850. Causeries du Lundi, II—BEAUMARCHAIS. 1852. Causeries du Lundi, VI—LA FONTAINE. 1849. Causeries du Lundi, VII—LA BRUYÈRE. 1861. Nouveaux Lundis, I—Sainte-Beuve's Method. 1862. Nouveaux Lundis, III—TAINE. 1864. Nouveaux Lundis, VIII

FETTER LANE, LONDON, E.C.4: C. F. CLAY, MANAGER

Cambridge University Press

STANDARD TEXTBOOKS

ENGLISH

English Grammar: Descriptive and Historical. By T. G. TUCKER, Litt.D., and R. S. WALLACE, M.A. Crown 8vo. 8s net

The Revised English Grammar. A new edition of *The Elements of English Grammar*, based upon the recommendations of the Committee on Grammatical Terminology. By A. S. WEST, M.A. 3s 6d net

The Revised English Grammar for Beginners. A new edition of *English Grammar for Beginners*. By A. S. WEST, M.A. 1s 6d net

A Junior Graphic Grammar. By E. A. A. VARNISH and J. H. HANLY. With a table. 2s 6d net

A Handbook of English for Junior and Intermediate Classes. By D. B. NICOLSON, M.A. 2s net

English Composition, with chapters on Précis Writing, Prosody, and Style. By W. MURISON, M.A. 6s net. Or in 2 parts, 3s 6d net each. Key to Exercises, 6s 6d net

Précis Writing. By W. MURISON, M.A. In 3 parts. Part I, 3s net. Part II, 3s 6d net. Part III, 4s net

A Handbook of Précis Writing, with Graded Exercises. By E. D. EVANS, M.A. 3s net

A Primer of English Literature. By W. T. YOUNG, M.A. Cloth, gilt lettering, 2s 6d net. Limp cloth, 1s 6d net

Outlines of Victorian Literature. By HUGH WALKER, LL.D., and Mrs HUGH WALKER. 4s 6d net

A Book of Victorian Poetry and Prose. Compiled by Mrs HUGH WALKER. 4s net

GEOGRAPHY

The Teaching of Geography. By B. C. WALLIS, B.Sc., F.C.P., F.R.G.S. With 12 illustrations. 4s net. Cambridge Handbooks for Teachers.

Physical Geography. By P. LAKE, M.A. With 20 plates, 162 text-figures, and 7 maps. 8s 6d net

The Surface of the Earth. Elementary Physical and Economic Geography. By H. PICKLES, B.A. With 64 illustrations and 34 maps and diagrams. 2s 6d net

An Introduction to General Geography. By ALEC A. GOLDING, B.Sc. With 100 illustrations. 4s 6d net

Cambridge Geographical Text-Books. Intermediate. By A. S. DICKS, B.A., B.Sc. Second edition. With illustrations, maps, and diagrams. 4s

The British Isles. By F. MORT, D.Sc., M.A., F.G.S., F.R.S.G.S. With 79 illustrations. 4s 6d net

A Geography of the British Empire. By W. L. BUNTING, M.A., and H. L. COLLEN, M.A. With maps, diagrams, and 29 illustrations. 4s 6d net. Second edition, with additional chapter dealing with Frontiers in general, and those of the British Empire in particular

HISTORY

Great Britain and Ireland. A History for Lower Forms. By JOHN E. MORRIS, D.Litt. 6s 6d net. Or in 2 parts, divided at 1603. 3s 6d net each. 1485-1910 separately, 3s 6d net

History of England for Use in Schools. By A. D. INNES, M.A. 6s net. Also in 3 parts. Part I, to 1509 A.D.; Part II, 1509-1714; Part III, 1689-1912. 2s 6d net each. 1399-1603 separately, 3s net

A Short History of the Expansion of the British Empire from 1500-1911. By Prof. W. H. WOODWARD. Third edition. With 10 maps. 5s net

An Outline History of the British Empire from 1500-1911. By the same author. With 6 maps. 2s 6d net

A Picture Book of British History. Compiled by S. C. ROBERTS, M.A. Vol. I, to 1485. With 190 illustrations. 5s net. Vol. II, 1485-1688. With 200 illustrations. 5s net. Also in loose sheets in portfolios at the same prices

Graphic Chart of English History. By G. H. REED, M.A. Size 40×19 inches. Printed on stiff card, 2s 6d net; mounted on canvas, and folded, 3s net; mounted on canvas, varnished, with rollers, 3s 6d net

A History of Modern Europe from the Middle of the Sixteenth Century. By JOHN E. MORRIS, D.Litt. Third impression. With 8 maps. 4s 6d net

Europe in the XIX Century, 1815-1878. By the same author. With 8 maps and 3 pedigrees. 3s net

CAMBRIDGE TRAVEL BOOKS

The North-West and North-East Passages, 1576-1611. Edited by P. F. ALEXANDER, M.A. With 18 maps and illustrations. 3s net

"Each story has been written by one of the exploring party, and the spelling and punctuation have been modernised wherever necessary, though archaic words have been retained, and are explained in notes. This book should be a valuable addition to the school geographical library, more especially on account of the illustrations, which are historically valuable."

School World

The Earliest Voyages Round the World, 1519-1617. Edited by P. F. ALEXANDER, M.A. With 20 maps and illustrations. 3s net

"Excellent editing, printed, illustrated, mapped, and bound, and a well of English undefiled. The introduction clearly traces the travel-history of this great period of discovery, and there is a useful list of important dates in the whole history of discovery."

Times

The Discovery of America, 1492-1584. Edited by P. F. ALEXANDER, M.A. With 16 maps and illustrations. 3s net

"Another volume of the excellent *Cambridge Travel Books*, which ought to be in every school. . . . Mr Alexander's introduction and notes and the illustrations are all that we could desire."

Spectator

Stories of Exploration and Discovery. By A. B. ARCHER, M.A. With 21 maps and illustrations. 2s 6d net

"As an adjunct to the history or the geography lesson the book is equally valuable. . . . In the matter of selection sound judgment has been shown; hence the little volume admirably serves to present a continuity of effort, a sequence of progress. No pupil, who has read through the account, will come away from his task feeling wearied; he will indeed be led to explore himself among the books mentioned in the excellent 'reference and study' list appended to the book."

Scottish Geographical Magazine

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

by step, from the days of the barber-surgeon of the sixteenth century until the advent of Lister; and it is shown how the two rival sections of the Edinburgh School—the professional and the extra-mural—acted and reacted on each other to the advantage of both. The life-stories of the most famous of the surgeons who lived "before Agamemnon," the two Bells, Fergusson, Liston, James Syme—brave men indeed they were—is told with lucidity and vividness, and the accounts given of some of the most striking of their operations enable one to realize how great the courage and skill of these men were and to understand how their doughty deeds enhanced the fame of the great school to which they belonged. A word of praise should be given to the author for the excellent illustrations and portraits with which he has enriched his book.

MISCELLANEOUS.

Who's Who, 1919. (30s. net. Black.)

This year's issue of this indispensable work of reference contains about 27,000 biographies, and it runs to some 2,760 pages. Due prominence is given to educational work by the inclusion of notices of many distinguished head masters, head mistresses, and educational administrators. A copy of the volume might appropriately find a place in every school library. If the editor could persuade some of the contributors to write more briefly, it would be possible to give all the essential information, and yet to check the inordinate growth of this welcome annual.

Man and Machine Power. By Captain J. W. PETAVEL.
(University of Calcutta.)

Under the above title, which has no apparent relation to the contents of the book, Captain Petavel, an enthusiastic reformer and reconstructor of society, advocates the establishment of educational colonies for the solution of the problem of unemployment, for the increase of industrial productivity, and for the calming of labour unrest. These educational colonies in some respects resemble the socialistic settlements and the co-operative commonwealths which had such short and sad careers in the nineteenth century. But Captain Petavel is aware of some of the causes of their failure, and in his scheme he proposes to avoid them. He suggests that the first experiments in the new organization of industrial society should be made in India, whose economic conditions he regards as grave. Captain Petavel's scheme, though advocated with good sense and moderation, falls into line with modern Syndicalism, and is clearly intended to be independent of, if not antagonistic to, the State.

Nationality and Government. By A. E. ZIMMERN.
(10s. 6d. net. Chatto & Windus.)

This volume is made up of fourteen separate essays, lectures, or articles written by Mr. Zimmern during the past five years. All but one belong to the period of the War, and all, without exception, deal with political and educational problems which the War has rendered prominent. Although the essays are externally unrelated to one another, there is an internal unity which makes them more of "a book in the true sense of the word" than at first sight might appear. They all of them treat of some aspect or other of one or both of the great motive forces in modern international politics—viz., nationality and democracy. On each of these themes Mr. Zimmern has many things to say that well deserve attention. He is an acute and profound thinker; he is a scholar with a wide range of knowledge, and he is master of a lucid and epigrammatic literary style. His view of nationality is by no means that which is current at the present day. He frankly confesses that it has been to some extent determined by the fact that though he himself is an English citizen, entirely loyal to the British State, he is by nationality a Jew filled with ardent devotion to the ideals of his people. Hence he strongly contends that nationality is a spiritual bond of union, and that it should be kept outside the sphere of politics. He has some fine things to say concerning the spiritual aspects of nationality, but he by no means carries conviction when he implies that people who feel themselves bound together by this spiritual tie should not seek political autonomy. On the subject of democracy the most impressive of Mr. Zimmern's arguments are those in which he urges the extension of the principle of self-government from the sphere of politics to the sphere of industry. Mr. Zimmern's book is one which should be read as a whole, and should be read with care, by all who are interested in the political and social questions of the day.

The University of Chicago War Papers. Nos. 1-5. Each about 20 pages. (5c. each. University of Chicago Press.)

These scholarly and restrained War pamphlets are issued under the auspices of the Publicity Committee of the University War Service. Their purpose is to inform the American people concerning the causes of the War, the principles at issue, and the characteristics of the belligerent nations. To Britons, of course, all this seems to be a tale long since told. To multitudes of Americans, however, the information is new and necessary. More-

over, even Britons, if they are not too much engrossed in other war problems or after-war problems, would benefit by a perusal of these well written and succinct statements of essentials. The following are the titles and authors of the five papers published up to the present:—(1) "The Threat of German World-Politics," by President Judson; (2) "Americans and the World Crisis," by Prof. Small; (3) "Democracy the Basis for World-Order," by Mr. Bramhall; (4) "Sixteen Causes of the War," by Prof. McLaughlin; (5) "The War and Industrial Readjustments," by Prof. H. G. Moulton.

The Future of Democracy. An Address by Lord HALDANE.
(1s. net. Headley.)

This address is a rather pathetic appeal delivered, under the auspices of the Workers' Educational Association, to the rebels of Coventry. Its title is not particularly happy, for the address has but little to say about either democracy or the future. It is, indeed, rambling and discursive; defective in form and lacking in leading idea. It treats of the War, and of the British determination to secure victory; it discusses the principle of equality, the functions of the State, the importance of scientific education, the uses of the aristocracy, the duties of citizenship, and the spiritual aspect of politics—all these things and many others also by the way; but none with any degree of thoroughness. It might be called by almost any title; but perhaps *Obiter Dicta* would suit it best. Its most striking characteristic, however, is not what it says, but the wheedling way in which it says it. The tone is most painfully apologetic, as of a member of the Parlement of Paris pleading for his life before the Jacobin Club. But the pleading, though pathetic, is hopeless. "You will put us poor Peers out of political existence," Lord Haldane sadly predicts. "We are going out of existence," he reiterates. He hopes against hope that a new scientific aristocracy may arise to save the nation from disaster. He appeals to the rebels of Coventry to think of their civic duties.

SCIENCE.

Everyday Physics: a Laboratory Manual. By JOHN C. PACKARD.
(4s. 6d. net. Ginn.)

The author of this book is a science master in the High School at Brookline, Massachusetts, and has endeavoured to produce a course in physics suitable for preparation for college and to the requirements of everyday life. Besides working through the experiments included in the volume, the pupil is expected to gather information outside his school work from trade catalogues, textbooks, practical men at work in his vicinity, &c., and to draw his own conclusions and report the results. In addition to a few of the experiments usually found in physical laboratories in this country, the book contains descriptions of a great many common appliances, such as a water meter, a fire extinguisher, a sewing machine, a kerosene lamp, &c. Some of these are intended only to be examined and reported upon, with others simple experiments are performed. While teachers of physics will find the book useful on account of the suggestions regarding practical applications, it is obvious that it cannot be used conveniently as a textbook unless the laboratory contains examples of the apparatus described. For example, few school laboratories contain a working model of a locomotive engine, without which Experiment 27 cannot be performed. Practically the whole of the appliances described, however, are in common use in this country as well as in America, and therefore the use of the book will not be hindered by the impossibility of procuring apparatus. The book illustrates the strong modern tendency to bring school work more into touch with the practical affairs of life, and is to be commended on this account.

BOOKS OF THE MONTH.

Education.

The Port-Royalists on Education: Extracts from the Educational Writings of the Port-Royalists. Selected, translated, and furnished with an Introduction and Notes by H. C. Barnard. Cambridge University Press. Price 7s. 6d. net.

The Music of Life: Education for Leisure and Culture. With Curricula evolved by Experiment in an Elementary School. By Charles T. Smith. King. Price 6s. net.

The Sayings of the Children. Written down by their Mother, Pamela Glenconner. Blackwell. Price 6s. net.

Bulletin IX.—Psychological Tests: Revised and Classified Bibliography. By David Mitchell and Georgie J. Ruger. New York: Bureau of Educational Experiments. Price 50 cents.

(Continued on page 74.)



NORMAL

NORMAL CORRESPONDENCE COLLEGE.

THE MOST EFFICIENT AND MOST SUCCESSFUL CORRESPONDENCE COLLEGE.
(FOUNDED 1889.)

FOR MORE THAN A QUARTER OF
A CENTURY WE HAVE SPECIALISED
IN POSTAL TUITION.

If we conducted Oral classes as well as Correspondence classes we could not give undivided attention to either, and instructions given under these circumstances would, of course, be less satisfactory.

IF YOU ARE STUDYING
TO QUALIFY AS A
TEACHER OR TO ADD TO
YOUR QUALIFICATIONS
JOIN THE NORMAL

CORRESPONDENCE COLLEGE.

Founded 1889.

Avoid Risks by joining the NORMAL

EXAMINATIONS FOR WHICH THE NORMAL PREPARES.

Fröebel.
L.L.A.
County Council Scholarships.
Pupil Teachers.
Preliminary Certificate.
Certificate.

Oxford Locals.
Cambridge Locals.
College of Preceptors.
Professional Preliminary.
A.C.P. and L.C.P.
Central Welsh Board.
Matriolation.

Degree Examination.
Hygiene.
Languages.
Music.
Science and Art.
Other Qualifying Exams.

NORMAL CORRES. COLL., 47 Melford Rd., E. Dulwich, London, S.E.22, and 110 Avondale Square, S.E.1.

Pedagomania: or, The Gentle Art of Teaching. By A Bachelor of Arts. *Fisher Unwin*. Price 4s. 6d. net.
 Mysore University Calendar for 1918-1919. Mysore: *Wesleyan Mission Press*.

English.

Cambridge Readings in Literature: Book I. Edited by George Sampson. *Cambridge University Press*. Price: Library edition, cloth boards, 5s. net; cloth limp, 4s. 3d. net; cloth flush (school edition), 3s. 6d. net.
 Cambridge Readings in Literature: Book V. Edited by George Sampson. *Cambridge University Press*. Price: Library edition, cloth boards, 6s. net; cloth limp, 5s. net; cloth flush (school edition), 4s. net.
 Modern Language Texts (English Series). General Editor, W. P. Ker.—Edward Young's Conjectures on Original Composition. Edited by Edith J. Morley. *Manchester University Press*. Price 4s. 6d. net.

Geography.

Highways and Byways in Northamptonshire and Rutland. By H. A. Evans. With illustrations by Frederick L. Griggs. *Macmillan*. Price 6s. net.
 Arnold's Modern Geographies.—The British Isles. By A. A. Davey. *Arnold*. Price 9d.
 Geography Stories: Told by Famous Travellers. Book II. *Nisbet*. Price 1s. 6d.
 Nisbet's Self-Help Geography Series.—World Communications by Land, Sea, and Ocean. By H. R. Sweeting. *Nisbet*. Price 2s. 6d.

Mathematics.

Solutions of the Examples in a Treatise on Differential Equations. By Prof. A. R. Forsyth. *Macmillan*. Price 10s. net.

Miscellaneous.

Gladstone and the Unification of Italy. By W. W. Davies. *Blackwell*. Price 1s. 6d. net.
 A Handbook for Speakers on a League of Nations. Compiled by the League of Nations Society for the Use of Students and Speakers. Published for the League of Nations Society by *Allen & Unwin*. Price 1s. 6d. net.
 Canon Barnett: His Life, Work, and Friends. By his Wife. In two volumes, with 39 illustrations. *Murray*. Price 28s. (2 vols.).
 The University of Chicago War Papers.—No. 8: Democracy and Social Progress in England. By Edith Abbott. *University of Chicago Press*. Price: Single copies, 5 cents; 100 copies, 3 cents each; 1,000 copies, 2 cents each.
 Smithsonian Institution (United States National Museum): Report on the Progress and Condition of the United States National Museum for the year ending June 30, 1917. Washington: Government Printing Office.
 Rip. By E. W. Garrett. Illustrated by Anne Anderson. *Milford*. Price 2s. 3d. net.
 The Animals do their Bit in the Great War. By Frank Hart. *Blackie*. Price 3s. net.
 With Beatty off Jutland: A Romance of the Great Sea Fight. By Percy F. Westerman. Illustrated by Frank Gillett, R.I. *Blackie*. Price 5s. net.
 Two Daring Young Patriots: or, Outwitting the Huns. By W. P. Shervill. Illustrated by Arch. Webb. *Blackie*. Price 3s. 6d. net.
 Under Foch's Command: A Tale of the Americans in France. By Captain F. S. Brereton. Illustrated by Wal Paget. *Blackie*. Price 4s. 6d. net.
 For the School Colours. By Angela Brazil. Illustrated by Balliol Salmon. *Blackie*. Price 4s. 6d. net.
 A Patriotic School Girl. By Angela Brazil. Illustrated by Balliol Salmon. *Blackie*. Price 4s. 6d. net.
 Dinky's Circus. By Lilian Gask. *Harrap*. Price 5s. net.
 Lodgings to Let. By Violet Bradby. Illustrated by George Morrow. *Milford*. Price 3s. 6d. net.
 In the Power of the Pygmies. By Captain C. Gilson. Illustrated by Archibald Gilson. *Milford*. Price 5s. net.
 The Road through the Bog. By C. M. Macsorley. *S.P.C.K.* Price 1s. 9d. net.
 Tom Willoughby's Scouts: A Story of the War in German East Africa. By Herbert Strang. Illustrated by Wal Paget. *Milford*. Price 5s. net.
 Submarine and Anti-Submarine. By Henry Newbolt. With a coloured frontispiece and twenty full-page illustrations by Norman Wilkinson, R.I. *Longmans*. Price 7s. 6d. net.
 The Link and other Stories of the Great Festivals. By Mary

Baldwin. With illustrations by A. A. Hilton. *S.P.C.K.* Price 1s. 3d. net.

Sunday Stories.—A Selection of Stories from "Agathos" and "The Rocky Island." Edited by J. E. Hodder Williams. *Milford*. Price 2s. net.

Thomas Coram: Churchman, Empire Builder, and Philanthropist. By the Rev. H. F. B. Compston. *S.P.C.K.* Price 3s. 6d. net.

Jumped by Convicts: A Tale of Plantation Life in British Guiana. By Joy Merivale. Illustrated by Stanley Wood. *S.P.C.K.* Price 3s. 6d. net.

Upward, Trusty Brothers: A Song of the Air. Words by Herbert Russell; music by Frank Lambert. *Herman Darewski Music Publishing Co.* Price 2s. net.

Three Years of World Revolution. By Paul Lensch (Member of the Reichstag). *Constable*. Price 5s. net.

Essays and Addresses in War-time. By James Bryce (Viscount Bryce). *Macmillan*. Price 6s. net.

The Cambridge University Calendar for the Year 1918-1919. *Cambridge University Press*. Price 10s. 6d. net.

Modern Languages.

L'Anglais pour les Français: A Manual for Rapid Self-tuition in English. By A. J. de Havilland Bushnell. *Oxford University Press*. Price 5s.

Le Français des Français de France: Conversations en Cours d'Année. By J. de la Villegas. *Clarendon Press*. Price 2s. 6d.

Selected Letters of Madame de Sévigné. By Prof. A. T. Baker. *Manchester University Press*. Price 3s. 6d. net.

Religious Knowledge.

Translations of Early Documents (Series II).—Hellenistic-Jewish Texts: The Third and Fourth Books of Maccabees. By C. W. Emmet. *S.P.C.K.* Price 3s. 6d. net.

Translations of Early Documents (Series II).—Hellenistic-Jewish Texts: Joseph and Asenath. The Confession and Prayer of Asenath, Daughter of Pentephres, the Priest. By E. W. Brooks. *S.P.C.K.* Price 2s. 6d. net.

The Catholic Student's "Aids" to the Study of the Bible. By Prof. H. Pope. Vol. II: The New Testament (The Gospels). With Preface by Cardinal Gasquet. *Washbourne*. Price 5s. net.

Science.

Classroom Experimental Science. By Herbert McKay. First Year Course, price 1s. 6d. net; Second Year Course, 1s. 6d. net; Third Year Course, 1s. 6d. net; Fourth Year Course, 2s. net. *Evans Bros.*

Mnemonic Notation for Engineering Formulae.—Report of the Science Committee of the Concrete Institute. With Explanatory Notes by E. Flander Etchells. *Spon.* Price 6s. net.

Junior Grade Science: An Introductory Course of Physics and Chemistry for Irish Intermediate Schools. By George A. Watson. *Macmillan*. Price 3s. 6d.

Nisbet's Nature Readers.—Senior Book: Nature Stories and Studies. By Famous Naturalists. *Nisbet*. Price 2s. 3d.

Pioneers of Progress.—Men of Science: The Life and Discoveries of Michael Faraday. By Dr. J. A. Crowther. *S.P.C.K.* Price 2s. net.

Pioneers of Progress.—Men of Science: Galileo. By W. W. Bryant. *S.P.C.K.* Price 2s. net.

Elementary Mensuration: Hydrostatics and Mechanics. By G. F. Woodhouse and G. C. Meister. *Sedburgh: Jackson & Son*.

Verse.

Hearts Courageous. By John Oxenham. *Methuen*. Price 1s. 3d. net.

The Dales of Arcady. By D. U. Ratcliffe. *Erslev Macdonald*. Price 3s. 6d. net.

Oxford Poetry, 1918. Edited by T. W. E., E. F. A. G., and D. L. S. *Blackwell*. Price 1s. 6d. net.

The Babe's Book of Verse. Verse and Woodcuts by M. and C. Nightingale. *Blackwell*. Price 2s. net.

The English Poets: Selections, with Critical Introductions by various writers, and a General Introduction by Matthew Arnold. Edited by T. Humphry Ward.—Vol. V: Browning to Rupert Brooke. *Macmillan*. Price 10s. 6d. net.

Holy Russia; and other Poems. Translated from the Russian by P. E. Matheson. *Oxford University Press*. Price 3s. net.

Simon de Montfort: An Historical Drama in Five Acts. By Alfred Hayes. *Methuen*. Price 10s. net.

FRANCIS HODGSON (ESTD. 1884.)

89 FARRINGDON STREET,
LUDGATE CIRCUS, E.C. 4.

MATHEMATICS.

A Synopsis of Elementary Results in Pure Mathematics.

Containing Six Thousand Propositions, Formulae, and methods of Analysis, with abridged Demonstrations, &c., during the past century, containing about 14,000 references. By G. S. CARR, M.A., Late Prize-man and Scholar of Gonville and Caius College, Cambridge. Royal 8vo, 967 pp., with 285 Diagrams, price **34s.**

Also in Sections, as follows:—

Section	I.—MATHEMATICAL TABLES: including C. G. S. units.	s. d.
	Least Factors from 1 to 99,000. The Gamma-function, &c. ...	3 0
"	II.—ALGEBRA ...	3 6
"	III.—THEORY OF EQUATIONS AND DETERMINANTS ...	3 0
"	IV.—PLANE TRIGONOMETRY (together with ...)	3 0
"	V.—SPHERICAL { 22 Diagrams } ...	3 6
"	VI.—ELEMENTARY GEOMETRY: with 47 Diagrams ...	3 0
"	VII.—GEOMETRICAL CONICS: with 35 Diagrams ...	3 0
"	VIII.—DIFFERENTIAL CALCULUS ...	4 6
"	IX.—INTEGRAL CALCULUS ...	4 6
"	X.—CALCULUS OF VARIATIONS ...	4 6
"	XI.—DIFFERENTIAL EQUATIONS ...	4 6
"	XII.—CALCULUS OF FINITE DIFFERENCES ...	4 6
"	XIII.—PLANE COORDINATE GEOMETRY, with 182 Diagrams ...	7 6
"	XIV.—SOLID COORDINATE GEOMETRY, with 26 Diagrams ...	4 6

The Modern Geometry of the Triangle.

By WILLIAM GALLATLY, M.A. In this publication are presented some of the more important researches on the subject which have been undertaken during the last thirty years. The novel and interesting theorems, some British but mostly from French and German sources, will widen the outlook of our mathematical instructors and lend new vigour to their teaching. Second Edition, 124 pages, price **2s. 6d.** (by post **2s. 9d.**). Specimen pages and synopsis free.

Proceedings of the London Mathematical Society.

First Series of 35 vols., **10s. to 35s.** Second Series, 16 vols. already published, **25s.** per vol. Separate parts, **7s. 6d.** each.

Mathematical Questions and Solutions.

Edited by CONSTANCE I. MARKS, B.A. Of this series 104 half-yearly volumes (Old Series, 75 volumes; New Series, 29 volumes) have been published, containing contributions, in all branches of Mathematics, from most of the leading Mathematicians in this and other countries. Price **6s. 6d.** per vol.

The Elements of Logarithms: with Sandhurst and Woolwich Questions. Price 1s. 6d.

Quadratic Partitions.

By Lieut.-Col. ALLAN CUNNINGHAM, R.E. Crown 8vo, cloth, price **12s. net.**

Tracts Relating to the Modern Higher Mathematics.

By the Rev. W. J. WRIGHT, M.A.

Tract No. 1.—DETERMINANTS. Tract No. 2.—TRILINEAR COORDINATES. Tract No. 3.—INVARIANTS.

Price **5s.** each, or **12s. 6d.** for the three if ordered together.

Lectures on the Elements of Applied Mechanics.

Comprising—(1) Stability of Structures; (2) Strength of Materials. By MORGAN W. CROFTON, F.R.S., late Professor of Mathematics and Mechanics at the Royal Military Academy. Revised by H. HART, M.A. Price **7s. 6d.** Third Edition.

FULLER Particulars of any publication, together with Educational Catalogue, Post Free on application to—

FRANCIS HODGSON, 89 Farringdon Street, Ludgate Circus, E.C. 4.

LANGUAGES, &c.

Hamiltonian System of Languages.

A short and easy method of learning a foreign language by a close interlinear translation. The following works are done in this series:—

French and English.	s. d.	Latin and English.	s. d.
Gospel of St. John ...	2 6	Cæsar's Gallic War, Bks. I-VI ...	4 6
Télémaque, Books I-IV ...	3 6	Eutropius ...	1 6
Perrin's Fables ...	1 6	Virgil's Æneid, Books I-IV ...	3 6
Petit Jack ...	2 6	Gospel of St. John ...	2 0
Recueil Choisi ...	3 6	Sallust, Catiline ...	3 0
French Verbs ...	1 6	Jugurtha ...	3 0
		Cornelius Nepos ...	6
		Selectæ e Profanis Historiæ ...	2 6
		Vol. I ...	2 6
		Vol. II ...	3 6

Greek and English.

Gospel of St. John ... **3 0**

Italian and English.

Gospel of St. John ... **2 6**

Silvio Pellico ... **2 6**

Notti Romane ... **3 6**

Schilling's Spanish Grammar.

Edited by FREDERICK ZAGEL. Crown 8vo, 348 pages, price **3s. 6d.**

Key to the above, **2s.**

"Don Basilio."

By the same Author and Editor. A practical guide to Spanish Conversation and Correspondence. Crown 8vo, 164 pp., price **2s. 6d.**

Italian Conversational Course.

A new method of teaching the Italian language, both theoretically and practically. By G. TOSCANI, Professor of the Italian Language and Literature in Queen's College, London. Fifth Edition. Price **5s.**

Italian Reading Course.

By the same Author. Comprehending specimens in Prose and Poetry of the most distinguished Italian writers, with biographical notices, explanatory notes, and rules on Prosody. Price **3s. 6d.**

Historical Rhymes.

By Sir REED GOOCH BAGGOTTE. From William I to Edward VII. Fcap. 8vo, 148 pp., limp cloth, price **1s. 6d.**

Mythological Rhymes.

Being Entertaining Narratives of the Greek Legends in Rhyming Prose.

By the same Author. 8vo, 116 pp., price **4s.**

The Elements of the Theory and Practice of Book-keeping.

Based upon the principle of Correlative Double Entry. By JOHN WALMSLEY, M.A. Crown 8vo, cloth, 264 pp., price **3s. 6d.**

Outline Maps and Drawing Copies.

As set at the College of Preceptors Examinations.

Outline Maps—The World, British Isles, England and Wales, Scotland, Ireland, Thames Basin, Mersey Basin, North Sea, Mediterranean, Europe, Asia, Africa, N. America, S. America, Australia. Price **1½d.** per Map, or **1s.** per dozen, post free (alike or assorted).

Drawing Copies (Free-hand). About 100 different subjects. Price **2½d.** per copy, post free; or **1s. 9d.** per dozen, post free (alike or assorted). State whether Senior, Junior, Preliminary, or Lower required.

Carpenter's Drawing Books.

Pencilled copies and easy examples, interleaved with tissue paper. By GEORGE CARPENTER, late Principal Drawing Master in the Stationers' Company's School. Contents of the respective parts:—Curves, Outlines of Familiar Objects. Introduction to Perspective. Trees. The Human Figure. Ornament. Price **1s.** each part.

The Public School Modern Handwriting.

By R. WENLOCK, F.R.G.S. Crown 8vo, price **6d.**

STAMP COLLECTING.

Edited by DEREK INGRAM.
The up-to-date Weekly Newspaper for Philatelists.
Price 2d. Weekly. Subscription 10s. per annum, post free.

STAMPS FOR BEGINNERS.

An instructive illustrated handbook, by D. B. ARMSTRONG and R. E. R. DALWICK. 6d.

THE CATALOGUE OF PHILATELIC LITERATURE.

With Prices. By PERCY C. BISHOP. Price 1s. Cloth 2s. 6d.

N.B.—Full list of Philatelic Publications and particulars of Special Offers in Philatelic Literature free on application. Advice as to best methods of the sale and purchase of stamps gratis.

F. HUGH VALLANCEY, 89 Farringdon St., London, E.C. 4.

SAVE ENVELOPES, PAPER, and MONEY.

The Economy Envelope Labels

provide a means by which all may help in the National War-Economy Campaign. Old envelopes may be used again, and again, and again.

Send 1/- for a sample 100, or 9/- for 1000, to:—

F. H. VALLANCEY, Publisher,

89 FARRINGDON STREET, LONDON, E.C. 4.

MILLS & BOON'S NEW BOOKS.

MILLS & BOON will be happy to receive applications for Specimens from Heads of Schools and Teachers of special subjects. New Educational Catalogues sent post free.

ENGLISH GRAMMAR, WITH ANALYSIS AND PARSING.

By H. G. SMITH, B.A., Senior English Master, King Edward's School, Camp Hill, Birmingham; and G. H. BALL, M.A., Head Master, King Edward's School, Camp Hill, Birmingham. Second Edition. 1s. 6d. net.

ENGLISH COMPOSITION, INCLUDING PRÉCIS AND PARAPHRASE.

By H. G. SMITH, B.A., and G. H. BALL, M.A. Second Edition. 1s. net.

These books have been written with a view to providing a course in English Grammar and Composition suitable for use in secondary schools. They aim at explaining the fundamental rules of the language and making clear the difficulties which teachers of Latin and French experience in imparting a knowledge of their subjects to young boys.

■ The above two books are issued in one volume entitled "English Grammar and Composition," and form a three years' course in English. 2s. net.

POETRY FOR BOYS.

By STANLEY MAXWELL, M.A. Second Edition. 1s. 6d. net.

A collection of poems of established literary merit printed in bold type.

"Such is the superiority of Mr. Maxwell's collection over every other similar kind of work we are acquainted with that not the least apology is due for its appearance. The selections have been made with a fine discernment of what will appeal to the interest of boys."—*Secondary Education*.

FRANÇOIS CHANTREY: DONKEY BOY AND SCULPTOR.

By HAROLD ARMITAGE. Illustrated. 1s. net.

A wholly delightful reader for pupils of 10 to 12.

EXERCISES IN FRENCH FREE COMPOSITION FOR UPPER CLASSES.

By R. R. N. BARON, M.A., French Master, Cheltenham Grammar School. 185 Exercises. Sixth Edition. 1s. 6d. net.

A REFORM FIRST FRENCH BOOK.

Especially written for the use of Adult Students. By J. STUART WALTERS, D.ès L. Illustrated. Second Edition. 1s. net.

DIRECT METHOD FRENCH TEXTS

Edited by R. R. N. BARON, M.A.

TRISTAPATTE ET GORET, Etc. Crown 8vo. 1s. net.

"The five simple stories contained in this book have been taken from the 'Livres roses Larousse.' Each is divided into short sections, and to each section there is an 'Exercice,' consisting of a set of French questions on the text, questions on grammar and vocabulary, and a subject for free composition."—*School World*.

PIERRILLE. By JULES CLARETIE. Crown 8vo. Third Edition. 1s. 6d. net.

A delightful idyll of peasant life, filled with dramatic incident, and true to nature in every detail. Edited for upper forms. "Well edited, with brief but adequate notes in French."—*The Journal of Education*.

TAMANGO and JOSÉ MARIA LE BRIGAND. By PROSPER MÉRIMÉE. Crown 8vo. Second Edition. 1s. net.

TAMANGO is also issued separately in limp cloth, at 4d. net. "A dramatic but fascinating story, well printed, with excellent exercises, notes in French, and a short account of the author."—*The A.M.A.*

LA BELLE NIVERNAISE. By ALPHONSE DAUDET. Crown 8vo. Fourth Edition. 1s. 6d. net.

"The editor has done his work well. The exercises are carefully arranged."—*The A.M.A.*

BUG JARGAL. By VICTOR HUGO. Crown 8vo. 2s. net.

"This story, written when the author was a schoolboy of sixteen, has been well edited for school use, for which it is very suitable. The Notes and Vocabulary are in French, and are arranged as they occur, not alphabetically. The exercises are particularly good, and include a sufficient amount of word-formation."—*Modern Language Teaching*.

CARTE DE GRAMMAIRE. By MISS L. E. THEEDAM, The Godolphin and Latymer School, Hammersmith. 6d. net.

A concise résumé of French accidence, written in French and intended to be used in connexion with Reform French Textbooks and readers, by pupils of Junior and Middle School forms.

AN INTRODUCTION TO HEAT.

By ARTHUR R. LAWS, B.Sc., and GEORGE W. TODD, B.A., D.Sc., Science Masters at the Royal Grammar School, Newcastle-on-Tyne. With 106 diagrams. 2s. 6d. net.

The main idea underlying it is that boys are gifted with a large amount of curiosity, and that, when they once realize that there is something behind many of the phenomena of everyday life, they are prepared to take a good deal of trouble to satisfy their inquisitive instincts.

OUTLINES OF APPLIED PHYSICS.

By H. STANLEY, B.Sc., Lecturer in the Merchant Venturers' Technical College, Bristol. With 75 diagrams. 2s. 6d. net.

"In the main a series of examples in theoretical physics, for not only are there numerous numerical exercises at the end of each chapter, but more than four hundred of a miscellaneous character at the end of the book. The book will probably be found quite useful."—*Nature*.

FIRST SCHOOL BOTANY.

By E. M. GODDARD, B.Sc., Science Mistress, Girls' Secondary School, Colchester. With 207 diagrams. Second Edition. Crown 8vo, 2s. 6d. net.

"An excellent combination of practical exercises and clear explanations, illustrated by good bold outline drawings. The pupil who works conscientiously through the physiological experiments, and laboratory and field observations described in this small volume, will have won something better than examination successes."—*Nature*.

The book covers the syllabus of the Oxford and Cambridge Junior Local Examinations.

AS YOU LIKE IT.

Ed. by C. R. GILBERT, M.A. With Notes. 1s. net.

THE MERCHANT OF VENICE.

With revised Text, Questions, Notes, and Appendixes. By G. H. BALL, M.A., and H. G. SMITH, B.A. 1s. net. Text only, 6d. net.

"The chief feature of this edition is the series of appendixes which is admirably contrived. Notes, suggestions for character study, and essay writing thereon, short expositions of all outstanding features of interest, and a set of examination papers, old and new, are provided, and are of invaluable help to the earnest student. The text is in good plain type."—*Times*.

A NEW SCHOOL ALGEBRA.

By W. J. WALKER, M.A., Head Master of Woodhouse Grove School, Apperley Bridge, Bradford. Second Edition. In two volumes, each 2s. net with or without Answers. Complete in one volume, with or without Answers, 4s. net.

"There are plenty of mental or oral questions and test papers. The type is large, and most left-hand pages begin with a new exercise. The examples are for the most part original and are carefully arranged."—*Mathematical Gazette*.

PREPARATORY ARITHMETIC.

By F. C. BOON, B.A., Principal Mathematical Master at Dulwich College. Second Edition. With Answers, 1s. 6d. net; without Answers, 1s. net. Answers separately, 6d. net.

A revised and enlarged edition of this well known book. A large number of new examples have been added, and the few misprints in the first edition corrected.

A FIRST SCHOOL CHEMISTRY.

By F. M. OLDHAM, B.A., Senior Science Master at Dulwich College. With 71 Illustrations. Tenth Edition. 3s. net.

GRAPHS IN ARITHMETIC, ALGEBRA, AND TRIGONOMETRY.

By W. J. STAINER, B.A., Head Master of the Municipal Secondary School, Brighton. With 120 Diagrams. 2s. 6d. net.

LATIN EXTRACTS FOR SIGHT TRANSLATION.

With Hints to Beginners. By G. H. BALL, M.A., Head Master of King Edward's School, Camp Hill, Birmingham. 1s. net.

THE NEW PRELIMINARY GEOGRAPHY.

By H. B. WETHERILL, M.A., Head Master of Allahabad High School. Sixth Edition. With Illustrations and 19 Diagrams. 2s. net.

MILLS & BOON, LTD., 49 RUPERT STREET, LONDON, W.1.

London: Printed by C. F. HOLLISON & SON, Newton Street, Kingsway, W.C.2, and Published for the Proprietors by WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

ALL RIGHTS RESERVED.

No. 595.
Vol. 51. WITH SUPPLEMENT.

LONDON, FEBRUARY 1, 1919.

PRICE 8d.: BY POST, 10d.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

March 1919 issue ready on Febru-
ary 28. Advertisement scale is on
page 101. The latest time for prepaid
advertisements is

FEBRUARY 20.

SCHOLARSHIP NOTICES.

See p. 83.

PHYSICAL TRAINING. See pp. 79, 82, and 83.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below.

UNIVERSITY TUTORIAL COLLEGE,
See p. 79.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See p. 140.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
New PREMISES: 9 & 10 Brunswick Sq., London, W.C.1.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.

Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced.

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.
When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W.1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).
Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

THE COLLEGE OF PRECEPTORS

Incorporated by Royal Charter

BLOOMSBURY SQUARE, LONDON, W.C.1.

LECTURES FOR TEACHERS

Professor John Adams will deliver a
Course of Twelve Lectures for Teachers
on Educational Psychology, beginning
on Thursday the 6th of February:

(1) Aim and Methods of Psychology,
(2) The Perceptual Plane, (3) The Con-
ceptual Plane, (4) Memory, (5) Imagina-
tion, (6) The Control of Consciousness,
(7) Instinct and Habit, (8) The
Unconscious and its Implications,
(9) Personality and Temperament,
(10) The Affective Aspect, (11) The
Conative Aspect, (12) Experimental
Psychology.

Members of the College have free
admission to the Course.

The full Syllabus and particulars
concerning Membership may be ob-
tained from the Secretary.

University Correspondence College

(Founded in 1887.)

PRINCIPAL: WILLIAM BRIGGS, LL.D.,
D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.

London University Degrees,

B.A., B.Sc., M.A., LL.B.,
B.Sc. (Economics), B.D.

(Graduates of British Universities and hold-
ers of certain diplomas can register as
matriculated students of London University
without passing the Matriculation Exam-
inations.)

A Short Guide,

— TO —

LONDON UNIVERSITY EXAMINATIONS,

giving full particulars of Courses and Fees,
Post Free to Private Students from the
SECRETARY,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination

Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1918 - 1889

Candidates in various Groups: 305 First
Class; 368 Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-18 43

(Only two failures.)

Oxford Higher Local, 1903-18 - 178

Candidates in various Sections.

M.D. (Lond.), 1901-18 - 232

(Including 6 Gold Medallists
during 1913-1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exam-
inations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1918-19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers). List of
Successes, &c., apply to the PRINCIPAL.

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION. A SUMMER SCHOOL

will be held during the first three weeks in August at Westfield College, University of London.

Further particulars may be obtained from the Secretary, 4 Bloomsbury Square.

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	... net	6/-
THE GIRLS SCHOOL YEAR BOOK	... ..	6/-
THE SCHOOLMASTERS YEAR BOOK	... ..	15/-
THE DIRECTORY OF WOMEN TEACHERS	..	10/6
H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd., 31 Museum Street, LONDON, W.C.1.		

THE "POSITIVE" ORGAN

IS IDEAL FOR COLLEGES AND SCHOOLS.
It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.
Over 900 supplied, including many Cathedrals and Colleges all over the world.
Highest testimonials. Send for Catalogue "S."
POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY of ST. ANDREWS. UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 5 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.
For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—
Miss C. P. TREMAIN, B.A.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL

Hall of Residence for Women Students.
Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from 40 guineas per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

BATH.

TWO or three Ladies taken as Paying Guests in comfortable private house with garden. Within easy reach of baths, city, and stations. Moderate inclusive terms.—Miss RUTHERFORD, Green Park.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

LONDON, S.W.10.

86 REDCLIFFE GARDENS, S.W.—Residential Club for Ladies, close to Earl's Court Station and tube. From 30s. weekly, partial board. Large airy house. Buses to all parts. Telephone: Western 2506.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.C.1.

30.31 &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students; readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegrams: "Baggage, London." Phone: Gerrard 4718.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB, 9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Priace's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home; good cooking. Near park, river, also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

HOLIDAYS IN NORTH WALES

—Sea and mountains, mild climate, beautiful excursions. Golf course near. Comfortable, refined and magnificently situated Guest House in extensive grounds. Produce from own gardens. 35s. per week inclusive. For prospectus write—MANAGERESS Bryn Corach, Conway.

HOLIDAY HOMES.

A WELL KNOWN TEACHER writes: "I advertised this Summer [1917] my 'Small Holiday Home' in your paper. The advertisement proved very successful."

Educational Reconstruction.

See the January, 1919, Special Number of

THE JOURNAL OF EDUCATION
AND SCHOOL WORLD.

Price Eightpence; Post free Tenpence.

LONDON: MR. WILLIAM RICE,
3 LUDGATE BROADWAY, E.C.4.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.****SCHOLASTIC AGENCY for
JUNIOR FORM AND KINDERCARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**Library for Teachers and Students pre-
paring for the Examinations of the National
Froebel Union.Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
KINGSFIELD,
DARTFORD HEATH, KENT.****Trustees:**Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.**Principal:**

Miss H. C. GREENE.

Vice-Principal:Miss A. WIKNER (Royal Cent. Inst. of Gymnastics,
Stockholm).The College was opened in 1885, and was the first
of its kind in England. Students are prepared as
teachers of Scientific Physical Education on Ling's
Swedish System. The Course extends over two
years. It includes the study of Anatomy, Physiology,
Theory of Education; the Theory and Practice of
Gymnastics, Massage and Medical Gymnastics,
Dancing and Outdoor Games. Students practise
teaching in schools in the neighbourhood. The College
stands in its own ground of 15 acres, in a beautiful
and healthy locality close to Dartford Heath.The demand for mistresses of physical training
holding the Diploma of this College is at present far
in excess of the supply.The course begins in **October**. Further par-
ticulars may be obtained on application to the
SECRETARY.**BERGMAN ÖSTERBERG
UNION OF TRAINED GYMNASIAC TEACHERS.****Ling's Swedish System.**Aim of the Union: To advance the cause of Physi-
cal Education on scientific lines.In placing members of this Union as Teachers in
Schools, careful and discriminating choice is exer-
cised, and the exact requirements of each School
specially considered.—**PHYSICAL TRAINING COLLEGE,
KINGSFIELD, DARTFORD HEATH, KENT.****INTERNATIONAL GUILD.
6 RUE DE LA SORBONNE, PARIS.****CLASSES** in the French Language,
Literature, History, and Phonetics.Students are prepared for the Certificat d'Etudes
Française of the Sorbonne, and the Diplôme d'Etudes
Françaises of the Guild.

For further information apply to the SECRETARY.

**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours,
London.Pupils prepared for Matriculation and Intermediate
Examinations of London University. Healthy situa-
tion, good playground and garden. Great attention
given to physical training. Special terms for daughters
of Unitarian Ministers. All inquiries to be addressed
to the HEAD MISTRESS.**TEACHERS FOR SOUTH AFRICA.****QUALIFIED Women Teachers** of
all grades should apply to—**THE EDUCATION
SECRETARY, South African Colonization
Society, 23 Army and Navy Mansions, 115 Victoria
Street, S.W.1.****University Tutorial College.
LONDON.****LONDON MATRICULATION.**Morning, Afternoon, and Evening Classes for the
next June and September Examinations can be taken
up at any time.*During the Period of the War over 1,000
successes have been gained by U.T.C. Students in
Public Examinations, including 683 successes
at London University.***COLLEGE OF PRECEPTORS.
(MEDICAL PRELIMINARY.)**Classes are held for the College of Preceptors
Examination (Medical Preliminary) and other En-
trance Examinations.**PRIVATE TUITION.**Private tuition may be taken up at any time, either
during Term or in the ordinary School Vacations, in
all subjects for London University and other Exami-
nations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
32 RED LION SQUARE, HOLBORN, W.C.1.**THE
ASSOCIATED BOARD
OF THE
ROYAL ACADEMY OF MUSIC
AND THE****ROYAL COLLEGE OF MUSIC
FOR LOCAL EXAMINATIONS IN MUSIC.****Patron: HIS MAJESTY THE KING.****LOCAL CENTRE EXAMINATIONS (Syllabus A).**
Examinations in Theory held in March and
November at all Centres. In Practical Subjects in
March-April at all Centres, and in the London
district and certain Provincial Centres in November-
December also. Entries for the March-April Ex-
aminations close Wednesday, February 5th, 1919 (or
with extra fee, Feb. 13th).**SCHOOL EXAMINATIONS (Syllabus B).**Held throughout the British Isles three times a
year, viz., March-April, June-July, and October-
November. Entries for the March-April Exami-
nations close Wednesday, January 29th, 1919 (or with
extra fee, Feb. 6th).The Board offers annually **SIX EXHIBITIONS**,
tenable at the R.A.M. or R.C.M., for two or three
years.Theory papers set in past years (Local Centre or
School), price 6d. per set, per year.Syllabuses A and B, Entry Forms, and any further
information will be sent post free on application to—**JAMES MUIR, Secretary,**
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA, LONDON."**SPECIAL CORRESPONDENCE COURSES.**

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments,
Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. } 163 Correspondence Stu-
Exams., 1910-19 } dents successful.**Mr. E. H. BIBBY, Mus. Bacc., L.R.A.M., A.R.C.M.,**
c/o Forayth Bros., Deanegate, Manchester.**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.****President: SIR FRANK BENSON,**
Under a Council of Management.**Principal: ELSIE FOGERTY, L.R.A.M.,**
Royal Albert Hall, Kensington Gore S.W.7.**COURSES OF DRAMATIC
AND
TECHNICAL TRAINING,
VOICE TRAINING,
ENGLISH PHONETICS,
CURE OF SPEECH
DEFECTS,
RECITATION,
PUBLIC SPEAKING.**Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.**ASSOCIATION OF TEACHERS
OF
SPEECH TRAINING.**Head Quarters: **ROYAL ALBERT HALL,
KENSINGTON GORE.****President:**Miss **ELSIE FOGERTY, L.R.A.M.,**
29 Queensberry Place, South Ken-
sington, S.W.7.**Secretary:**Miss **WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.**Trained resident or visiting teachers sent to
any part of England. Assistants also under-
take residential treatment of delayed speech,
stammering, or other difficulties. Physical
exercises for chest development, breath
control, or defective articulation given by
trained teachers. Advice on speech training
given. Transference of connexions under-
taken.*A leaflet containing all principal Tone
and Articulation Exercises, together
with "Examples" for the practice of
each vowel sound, may now be obtained.
Price 2d. each, or, to Members of the
Association, 1½d. each. Postage extra.
Apply — Miss Wellesley-Reade.*

TRAINING COLLEGES and Technical Schools.

See also pages 77, [Halls of Residence] 78, 79, 81, [Physical Training] 82, 83, [Scholarships] 83, 84, 95, 114, 115, 135, 139.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON).

CAMPDEN HILL ROAD, W. 8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

ST. GEORGE'S TRAINING COLLEGE (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council: The Rev. W. TEMPLE.
Principal Elect: Miss B. S. PHILLIPPS, M.A.
Acting Principal: Miss A. W. RICHARDSON.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident from £95 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years (including a special Scholarship for Classics) will be offered for competition at an Examination to be held May 20th-23rd, 1919. Applications for entrance should be sent in before May 5th.

For Calendar and further particulars apply to the ACTING PRINCIPAL, Westfield College, Hampstead, N.W. 3.

MRS. CURWEN'S PIANO-FORTE METHOD. EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

Training Classes for Music Teachers and Student Teachers are held at Wigmore Hall Studios, Wigmore Street, W. 1, by Miss SCOTT GARDNER and Miss MARGARET KNAGG, A.R.C.M., on Wednesdays and Saturdays. Write for syllabus to either teacher at the studio.

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION.
In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Associate, Girton College, Cambridge, Cambridge Teachers' Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diplomas and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W. 6.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

Principal: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaton Road, Cambridge.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A.
(Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

SPEECH TRAINING SCHOOL, For TEACHERS of ELOCUTION and RECITERS, 8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD
(with an Advisory Council).

A SPECIAL COURSE to prepare students for Teaching Posts (Visiting, Residential, or Staff Appointments), and for Recitals. Private Tuition, Schools Visited, Stammering Treated, Lip-reading for the Deaf. Class for Teachers and Students of English Subjects. York and Harrogate weekly. Prospectuses forwarded.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W. 4.
HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education).
Cambridge Teacher's Certificate and London Teacher's Diploma.
2. ART TRAINING DEPARTMENT.
Various Examinations qualifying for Art Teaching in Secondary Schools.
3. KINDERGARTEN TRAINING DEPARTMENT.
All Examinations of the National Froebel Union, including Trainer's Diploma.
4. TRAINING DEPARTMENT for Teachers of Housecraft.
Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

Institut Français du Royaume Uni.

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W. 2.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLKT GARDENS, TALGARTH ROAD, WEST KENSINGTON, LONDON, W. 14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:
Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

THE NURSERY TRAINING SCHOOL, Wellgarth Road, Hampstead, N.W. 3.

Founded in 1911 by the

WOMEN'S INDUSTRIAL COUNCIL (Incorporated)

For Training GIRLS as Children's Nurses.

Fee, 40 guineas for the year's Course.

Children in residence: Certificate given and posts found.

Shorter Courses for older students, also for Nursery School teachers, by arrangement.

For prospectus and full particulars, apply to the WARDEN, at the School.

TRAINING COLLEGES and Technical Schools.

See also pages 77, [Halls of Residence] 78, 79, 80, [Physical Training] 82, 83, [Scholarships] 83, 84, 95, 114, 115, 135, 139.

Northern Counties Training School of Cookery and Household Economy,

NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

'Students trained as Teachers in
COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.

School year began September.

BIRKBECK COLLEGE

BREMS BUILDINGS, CHANCERY LANE, E.C. 4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)
FOR DEGREES IN
ARTS, SCIENCE, ECONOMICS, LAWS,
under RECOGNIZED TEACHERS of the University.

ARTS. — Latin, Greek, English, French, German,
Italian, History, Geography, Logic, Economics,
Mathematics (Pure and Applied).

SCIENCE. — Chemistry, Physics, Mathematics (Pure
and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.
GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL Fees { Day: Arts, £10. 10s.; Science, £17. 10s.
Evening: Arts, Science, or Economics,
£5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

SOCIETY FOR THE STUDY OF ORTHOPSYCHICS.

President:

Professor T. PERCY NUNN, M.A., D.Sc.

TRAINING COURSE

IN APPLIED PSYCHOLOGY:

Practical study of Character and of the
psychological fundamentals of social work
(Education, Criminology, &c.).

All particulars of the HON. SEC.,
30 Brunswick Square, W.C.1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Needlework
are held in January, May, and October.
For Dressmaking in June and November.

Work from Secondary, High, Convent, and other
Schools examined in April, July, and December, and
Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

MEDICAL PRELIMINARY EXAMINATIONS

THE University Examination Postal Institution

provides courses in preparation for Medical Prelim-
inary Examinations, more particularly for the Junior
and Senior Examinations of the College of Preceptors.
Normal Course, 120 Lessons, £6; but the length of
the course varies with the student's attainments on
starting.

Each lesson consists of very full lesson-notes,
papers of questions, and answer-notes.

Oral lessons are also given.
Prospectus and full particulars can be obtained
from the Principal, Mr. E. S. WEYMOUTH, M.A.,
17 Red Lion Square, London, W.C.1.

THE UNIVERSITY OF LIVERPOOL TRAINING COLLEGE.

Recognized by the Board of Education in accordance
with its regulations for the training of Teachers in
Elementary Schools.

STUDENTS are admitted for a four
years' Course in which they are prepared for
Degrees in Arts or Science. The Board of Education
pays tuition fees and makes a maintenance grant.
Application for admission should be made to the
PRINCIPAL, from whom information as to the
studies, residence, and fees may be obtained.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry; Farm Work, Home Management,
Cooking.

Extensive grounds; Royal Horticultural
Society's Exam. Comfortable home life;
games. For prospectus apply—Miss COR-
NELIUS WHEELER, N.D., Hort., F.R.H.S.
School removed from Hampshire after
being established 15 years.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals { Miss C. CRACKNELL, late of Swanley
Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Train-
ing in Gardening: Fruit, Vegetables, and
Flower Growing; Glasshouse and Frame Work.
Course of two years; also Shorter Courses. Poultry
(extensive and intensive); Milking; Butter-making;
Bee-keeping. Preparation for R.H.S. Particularly
successful with young students.

GUILD OF EDUCATION AS NATIONAL SERVICE.

THE HALSEY TRAINING COLLEGE.

Recognized by the Board of Education.

TRAINING COURSE FOR TEACHERS AND SOCIAL WORKERS.

SPECIAL facilities for preparation
to work in Continuation Schools (a) for factory
and town workers at Canning Town, E. 16, (b) for
farm and rural workers at Kenton, near Harrow. (20
minutes from Baker Street.)

There is now an "Education and Recreation
Centre" for unemployed factory girls at Canning
Town in connexion with the Hostel.

Apply for particulars as to residence, grants, fees,
&c., to HON. SEC., Guild of Education as National
Service, 11 Tavistock Square, W.C.1.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams: "Eurhythm, London." Telephone: Museum 2294.

In the Teachers' Training Course the School year
begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

THE ENGLISH FOLK DANCE SOCIETY.

Honorary Director: CECIL J. SHARP.

CLASSES in Folk Dancing will be
held at REIVE HALL, 76 East Street (near
Baker St. Station), during the Easter Term, from
Jan. 25th to March 31st, on Saturdays 10.30-12.30 a.m.
and on Mondays 6-9 p.m. Certificates in Folk Dancing
are granted by the Society.

For further particulars apply to the SECRETARY,
73 Avenue Chambers, Vernon Place, Bloomsbury,
London, W.C.1.

NORTH OF ENGLAND.

THE CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound educa-
tion to Girls on Public School lines.

One of the five houses is set apart
for Juniors under 14 years of age.

Well equipped classrooms, laboratory,
gymnasium, and good playing field.

Illustrated Prospectus on application to
the Head Mistress.

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A.,
Coaches by Correspondence in French,
History, English Language, and Literature, and
Comparative Religion for Cambridge and Oxford
Locals and other examinations.—The Rectory, Little
Stukeley, Huntingdon.

MISS MASOM, B.A., Hons. Lond.,
Lecturer and Exam. Coach, prepares for
Matric. and Higher Exams. in Maths., Classics,
English and French (all branches). Highest testi-
monials.—207 Adelaide Road, N.W. 3.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GOSWELL, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD

(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION FOR WOMEN. (SWEDISH SYSTEM.)

Chairman of the Governing Body:

The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Apply for Prospectus to Miss DORETTE WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE, WALLINGTON, SURREY.

Complete training, on Arvedson's Principles, in all branches of Educational and Remedial Gymnastics and Massage; also Dancing, Fencing, Games, &c.

Students will be accepted in January for the two years' course; they must be well educated.

New term 7th January.

Full particulars and Prospectus on application.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS' GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W. 1.

EXAMINATIONS for the Society's

Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASTIC TEACHERS.

See advertisement on page 79.



THE INCORPORATED BRITISH COLLEGE

of

PHYSICAL EDUCATION.

Until further notice all inquiries should be addressed to—

Mr. FRANK H. GELLING,
Hon. Secretary,

41a Lyric Road, Barnes, London,
S.W. 13.

PHYSICAL TRAINING COLLEGE,
QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W. 7.

EDUCATED GIRLS TRAINED

as TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PHYSICAL TRAINING COLLEGE.

(Ling's Swedish System.)

BATTERSEA POLYTECHNIC, S.W. 11.

THREE YEARS' COURSE of Training for Teachers of Swedish, Educational, and Remedial Gymnastics. Games, Dancing, &c. Diplomas granted. FEE—£75 for the complete Course.

ONE YEAR COURSE of Training in Swedish, Remedial, Exercises, and Massage. Excellent opportunities for Clinic and Hospital Work. Students are prepared for the Examinations of the I.S.T.M. FEES from £25, according to subjects taken.

For particulars of Curricula, Scholarships, Hostels, &c., apply to the SECRETARY.

ANSTAY PHYSICAL TRAINING COLLEGE, ERDINGTON,

offers well-educated women complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

Residential Fees: £100 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH
M.A., 17 Red Lion Sq., Holborn, London, W.C.1

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. SROCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern
Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLAR-
SHIPS in March.

Illustrated prospectus and full particulars on
application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Ken-
sington High School, St. Alban's Rd., Kensington, W.8

CRANBROOK SCHOOL, KENT

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS
and EXHIBITIONS are held in March, June, and
November. For particulars apply to the HEAD
MASTER, The School House, Cranbrook, Kent.

NEWNHAM COLLEGE.—TWO
SCHOLARSHIPS, one for Classics and one
for Modern Languages, are offered in March, each of
£30 a year for three years. Other Scholarships are
offered on the results of the Cambridge Higher
Local Examinations in June. Particulars can be
obtained from the PRINCIPAL.

**KING'S SCHOOL, CANTER-
BURY.**—ENTRANCE and KING'S
SCHOLARSHIPS. Some FIFTEEN SCHOLAR-
SHIPS offered for competition twice annually,
in June and November. For particulars apply to
the Head Master—A. LATTER, M.A.

BRADFIELD COLLEGE.

AN EXAMINATION for
ENTRANCE SCHOLARSHIPS and EX-
HIBITIONS open to Boys under 15 on September
20th, 1918, will be held on June 4th.
Further information can be obtained from the
HEAD MASTER, Bradfield, Berkshire.

**ST. BEES SCHOOL,
CUMBERLAND.**—The next Examination for
SCHOLARSHIPS will be held in March 1919. For
particulars apply to the BURSAR.

BRIGHTON COLLEGE.—An
Examination will be held in June, 1919, to
elect to EIGHT SCHOLARSHIPS varying in value
from £60 to £45 a year. Full particulars on applica-
tion to the HEAD MASTER.

University of London. University College.

THE Session 1919-20 will begin
on or about October 1st.

Intending students are invited to communicate
with the Provost as soon as possible.

ENTRANCE SCHOLARSHIPS.

Examinations will be held, beginning on or about
May 13th, 1919, for the following Scholarships:—

A.—Tenable in one of the following Faculties—
Arts, Laws, Science, Medical Sciences,
and Engineering.

Three Andrews Scholarships, value £30
each.

The Scholars are eligible for Andrews
First or Second Year Scholarships at the
end of their first and second years.

St. Pancras Scholarship, entitling to ex-
emption from College Composition Fees.

B.—Tenable in the Faculty of Arts only. WEST
SCHOLARSHIP in English and English History,
value £30. ROSA MORISON SCHOLARSHIP,
value £30 a year for three years.

C.—Tenable in the Faculty of Science only.
GOLDSMID SCHOLARSHIP, value £30 a year for
three years.

Special concessions have been arranged for Can-
didates who have been on War Service.

Examinations will be held, beginning in July, for
the following Scholarships, tenable in the Faculty
of Medical Sciences:—

BUCKNILL SCHOLARSHIP, value 135 guineas
TWO EXHIBITIONS, value 55 guineas each.

The Examination for a GOLDSMID ENGINEER-
ING SCHOLARSHIP, value £30 a year for three
years, begins on or about September 25th.

Application for full Regulations of the above-
mentioned and other Scholarships, or for Pro-
spectuses of the College in all Faculties, or for
particulars of Post-graduate and Research work
should be made to

WALTER W. SETON, M.A., D.Lit.,

Secretary.

University College, London.
(Gower Street, W.C.1.)

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships
and Exhibitions, varying from £50 to £15,
is held annually in May. General knowledge is
required in preference to specialization in one
subject. Exhibitions also awarded on the Common
Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

MALVERN COLLEGE.

TWELVE OR MORE

ENTRANCE SCHOLARSHIPS,

value £87 to £30, and some Exhibitions, value £25 to
£12, will be awarded by Examination to be held on
JUNE 3, 4, and 5, 1919.

Particulars of these and of certain valuable War
Exhibitions (awarded without examination), from the
HEAD MASTER OF BURSAR.

LANSING COLLEGE

SCHOLARSHIPS.—ENTRANCE Schol-
arships will be offered for competition for the first
week of June, 1919. Candidates must be over
twelve years of age and under fourteen on June
1st. (a) Six Scholarships (at least), Classical and
Modern, varying from 60 guineas to 15 guineas
per annum. (b) Two Choral Exhibitions of 25
guineas per annum, open to all boys who can sing
and read music. Full allowance in all cases will be
made for age. Candidates will be examined at
Lancing, unless further notice is given to the con-
trary. For prospectus and all additional information,
apply to the Head Master, Rev. H. T. BOWLEY,
Lancing College, Shoreham, Sussex.

SCHOLARSHIPS.

**FARADAY HOUSE ELECTRI-
CAL ENGINEERING COLLEGE.**—Exam-
inations for SCHOLARSHIPS tenable in College
and Manufacturing Works are held annually in
April. For particulars apply to ACTING SECRE-
TARY, 66 Southampton Row, W.C.1.

SHERBORNE SCHOOL.

AN Examination for ENTRANCE
SCHOLARSHIPS, open to Boys under 14 and
over 12 years of age on June 1st, 1919, will be held on
June 10th and following days. Further information
can be obtained from the HEAD MASTER, School
House, Sherborne, Dorset.

ALDENHAM SCHOOL, HERTS.

An Examination will be held in June, 1919, for
about Six JUNIOR PLATT SCHOLARSHIPS of
£30, and three HOUSE of £20, all tenable for three
years, and open to boys under 15 on May 1st.

The Scholarships will be awarded for proficiency
in Classics, Mathematics, or Natural Science, or for
general all-round merit. Further particulars from—
Rev. A. H. COOKE, Sc.D., Head Master.

Physical Training.

CONTINUED FROM PAGE 82.

H. G. JUNKER'S INSTITUTE OF SWEDISH (LING'S) EDUCATIONAL GYMNASTICS, SILKEBORG, DENMARK.

Sanctioned by the Danish Board of Education.

THE FULL TRAINING

COURSE of Swedish Gymnastic (Theory and
Practice), including Anatomy and Physiology
(Hygiene), Psychology, Games, Dances, some Cor-
rective and Remedial work, &c. (held in the English
Language), for men and women, thoroughly equip-
ping students of good education as teachers of Ling's
System, commences on September 5th.

The Course extends over two years, but specially
prepared students may complete the training in one
year.

Fee: £90 per annum (£10 per month), including
tuition, board and lodging. (No extras except
laundry).

The Annual HOLIDAY COURSE will
be held from July 31st to August 27th.

Fee: £10, including tuition, board and lodging.

Application Form and further particulars can be
obtained from the PRINCIPAL.

H. G. JUNKER,
Late Assistant Inspector of Physical
Education under the Danish Board
of Education, late Special Instructor
and Inspector to the Education
Committee of the County Council
of the West Riding of Yorkshire,
England.

PORTLAND ROAD GYM-

NASIUM, London, W.—Students thoroughly
trained for Public Examinations. Duration of Course,
2 to 3 years. All branches of Physical Work. English
and Swedish Gymnastics, Hygienic Exercises,
Dancing, and Remedial Work.—Miss TOLLEMACHE,
Member and Examiner of the British College of
Physical Education, M.G.T.I., Kyson, 32 Highcroft
Gardens, Golder's Green, N.W.4.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for :—

Matriculation,

Intermediate Arts and B.A.,

**Intermediate Science and
B.Sc.** (Theoretical Subjects only).

L.L.A. (St. Andrews),

**College of Preceptors' Dip-
lomas.**

SINGLE subjects may be taken if desired.

**Address—THE SECRETARY,
Burlington Correspondence College,
14 Blisnam Road, Kensington, W.14.**

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. *There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.*

This Agency is under the direction of a Committee representing the following leading Educational Associations :—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO,

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).

Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m.

Appointments should be made when possible.
Telephone: Museum 3217. Telegrams: "Educatorio Grenville London."

E DUCATED GIRLS thoroughly trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—Miss IRONSIDE, Training Bureau, 50, Lincoln's Inn Fields, W.C.2.

W IDOW, well recommended, educated at Public School, capable, bright and active, having own furniture, wishes to hear of opening for STUDENTS' HOSTEL, or for BOARDING HOUSE FOR GIRLS attending good School. Address—No. 10, 726.*

L ECTURES ON ART. Single or in Series. London and the provincial capitals. For prospectus and terms address—Miss A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

STAMMERING

PERMANENTLY CURED.

RESIDENT AND DAILY PUPILS.
UNIVERSAL SUCCESS

Prospectus and Testimonials post free from—
**Mr. A. C. Schnelle, 119 Bedford Court Mansions,
LONDON, W.C.1**

Established 1905.

SURVEYING INSTRUMENTS ON LOAN.

W ANTED in connexion with Y.M.C.A. University Committee Educational Scheme for Troops on Lines of Communication in France the loan of Surveying Instruments for practical instruction to men.

Also two Astronomical Telescopes (Watson's Astronomical 3 inch telescope preferred).

Sub-Directors would hold themselves responsible for safe return of Instruments loaned. Please address offers to SECRETARY, Y.M.C.A., Universities Committee, 25 Bloomsbury Square, W.C.1.

Continental School.

**COLLÈGE DE CANNES, PRÈS
NICE (ALPES MARITIMES), FRANCE.**

A fine new building, with every modern comfort. Private rooms. Three months' course giving fluent knowledge of French to foreigners. £21. 8s. a term.

GEORGE GILL & SONS, Ltd.

THE OXFORD AND CAMBRIDGE EDITION.

Gospel of St. Mark. By the Rev. F. MARSHALL, M.A. Maps of Palestine, Sea of Galilee, Galilee, Jerusalem, Environs of Jerusalem, Temple; Special Introduction.

Acts of the Apostles. Part I, Chapters i-xvi. By the Rev. F. MARSHALL, M.A. Specially prepared for Students taking the first part of the Book. Complete for the purpose, with Geographical and Biographical Notes, Maps, and Introduction.

As You Like It. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo.

Henry V. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Maps and Genealogical Tables. 256 pp., Cr. 8vo.

Richard II. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Illustrations and Genealogical Tables. 232 pp., Cr. 8vo.

— READERS. —

Gods and Heroes; or, Greek Fairy Tales. By P. C. SANDS, M.A., late Fellow of St. John's College, Cambridge. This is a reader intended for use in the Lower Forms of Schools. It gives a splendid initiation into the stories of ancient Greek mythology. Cr. 8vo, 128 pp., Cloth, 1s. 3d.

La Guerre, A.D. 1914. With notes on idiomatic phrases, by TAYLOR DYSON, M.A. A selection of leading articles on the Great War taken from the French and Belgian newspapers and arranged as a book for French Unprepared Translation for Middle and Upper Forms. Cr. 8vo, 128 pp., 1s. 3d.

La Guerre, Vol. II. A sequel to La Guerre, A.D. 1914. By TAYLOR DYSON, M.A. 1s. 3d.

ATLAS AND NOTES ON EUROPEAN HISTORY.

From the time of DIOCLETIAN to the outbreak of the GREAT WAR, 1914.

By HARTLEY FUDGE, M.A. 1s. 6d.

"The book consists of 36 Coloured Maps, not too full of names, and 104 pages of Notes, so called, which, however, practically form a précis of the history of Europe, from Diocletian to the Congress of Vienna. The author then carries forward history to the outbreak of the present War, by dealing separately, but still chronologically, and ab initio, with the history of Poland, France and Alsace-Lorraine, Prussia and German unity, the Dual Monarchy, Ottoman Empire, the Near East, and the like. The whole forms a small reference book useful for History teaching."

Journal of the A.M.A., Dec., 1918.

"In the body of the book there are more than thirty maps which, for the clearness of their lettering, we have very seldom seen excelled. Taken as a series they enable us to trace without confusion, through the centuries, the various stages in the political development of Europe."

Irish School Weekly.

ARITHMETIC BY DECIMALS.

By E. PULLING, B.A.

A simple, concise School Course, 9d. With Answers, 1s.

COMPLETE LIST OF THE OXFORD AND CAMBRIDGE EDITION, AND EDUCATIONAL CATALOGUES, POST FREE.

London: GEORGE GILL & SONS, Ltd., 13 Warwick Lane, E.C.4.

**The HEADS of
PUBLIC and PRIVATE SCHOOLS
requiring
ASSISTANT MASTERS, MISTRESSES
LADY MATRONS, and HOUSEKEEPERS**

are invited to communicate with Truman and Knightley, Ltd., who are in a position to introduce

**University and other qualified English and Foreign teachers, and
Experienced Matrons and Housekeepers,**

whose credentials and qualifications have already been investigated.

Principals are thus relieved of the expense of advertising and the trouble and annoyance of preliminary negotiations.

No charge is made to Principals for the service rendered.

Please write giving full particulars of requirements, when only those Candidates will be introduced who appear suitable for the particular positions vacant.

Communications, when desired, are treated in strict confidence.

The distinguishing feature of this Agency is its personal service, its intimate acquaintance with the requirements of Principals, and its personal knowledge of candidates introduced.

*A special and confidential department deals with the
Transfer of Schools, Partnerships, &c.*

*Communications on these subjects should be addressed
to Mr. Truman personally, with whom interviews should
be arranged by appointment.*

TRUMAN & KNIGHTLEY Ltd

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

PATON'S LIST of SCHOOLS and TUTORS

An Aid to Parents in the Selection of Schools.

22nd ANNUAL EDITION NOW PREPARING.

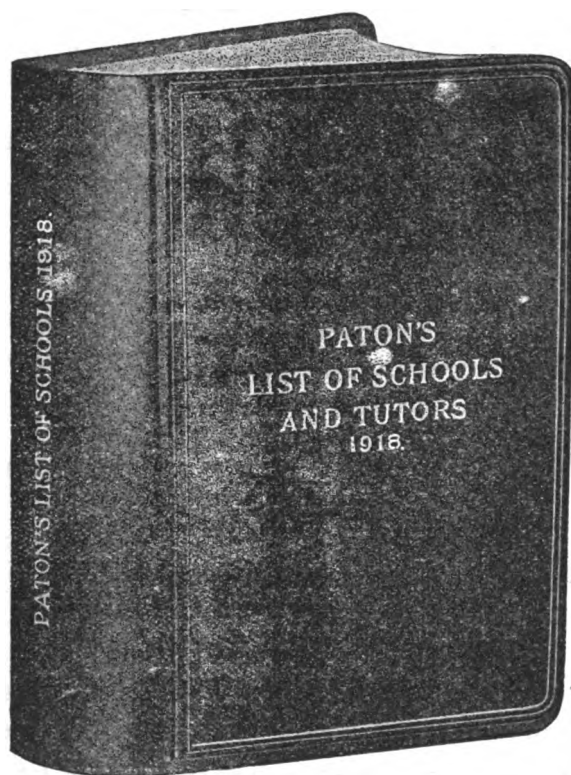
EVERY YEAR THOUSANDS OF PARENTS
:: :: CONSULT THIS BOOK. :: ::

"When I first came here I spent over £50 in six months' advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of 'venturing' on another boarding house."

"Please insert my pages as usual. I believe I get more pupils from that than from any other source."

"I enclose a request to have my notice renewed. I would not for anything leave it off now."

"I find it most useful to my patients when seeking information about sending their boys and girls away, and have kept a copy in my waiting-room for some years."



"Two years ago you sent me a pupil named ——. Through her parents I have had **four** good pupils this year from four different places, and through two of these I have **five** more coming this term: that is ten pupils from paying **one** commission."

"I have much pleasure in renewing the advertisement in your excellent Guide, and should like to take the opportunity to express to you my best thanks for the invaluable help of your Agency."

"I enclose order form, duly signed. . . . I am more than grateful for the excellent service your Agency does my school."

**Specimen Copy and full particulars sent free of charge to
Head Masters and Head Mistresses.**

J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON, E.C.4. Telephone: Central 5053.

CONTENTS

	PAGE
OCCASIONAL NOTES	87
MATHEMATICAL PROBLEM PAPERS. BY DR. CHARLES DAVISON	90
CHILDREN'S IDEAS OF PUNISHMENT. BY WALTER WOOD	91
PERSONAL PARAGRAPHS	92
TOPICS AND EVENTS	94
PRIMARY SCHOOL NOTES	96
JOHN RUSKIN AND EDUCATION	101
THE SUPERANNUATION ACT... ..	102
CORRESPONDENCE	103
The League of Empire War Memorial; On the Teaching of History; The Perse School Tercentenary Fund; History and Citizenship; The Central Welsh Board.	
FOREIGN AND DOMINION NOTES	105
UNIVERSITIES AND SCHOOLS	106
REVIEWS AND MINOR NOTICES	108
PRIZE COMPETITIONS	114
THE JANUARY MEETINGS	127
Association of Head Masters; Assistant Mistresses; Assistant Masters; Private Schools; Teachers' Guild; University Women Teachers; Froebel Society and Junior Schools Association; The Joint Conferences of Educational Associations; Public School Science Masters; Geographical; Historical; Mathematical; Modern Language Association; National Society of Art Masters; Association of Science Teachers; Simplified Spelling Society.	
BOOKS OF THE MONTH	134

OCCASIONAL NOTES.

OUR readers will have learnt with great relief that Mr. Fisher is to continue as President of the Board of Education in the new Government. This time rumour certainly proved to be a lying jade, and Mr. Fisher, as was stated in some of our contemporaries, was not, after all, marked out for "promotion." Perhaps the resolution of the Head Masters on January 3, and that of the teachers in conference on January 4, assisted Mr. Lloyd George to arrive at his final decision. In any case, the Prime Minister, Mr. Fisher, and all who have the interests of British education at heart, may be congratulated upon the result. Mr. Fisher has indeed won his spurs, and we understand that he personally wished to remain at the Board of Education so as to be able to complete the work he has begun with such conspicuous success. We hope the time is not far distant when the presidency of the Board of Education will rank with the highest Cabinet offices, and that, when its importance is fully recognized, the country will be able to secure for it a man possessed of the knowledge, judgment, and Parliamentary skill which Mr. Fisher has shown.

THE recent visit of President Wilson to Europe is a striking and significant event. It marks on one hand the return of the "Mayflower," and on the other the end of the Monroe Doctrine. That is to say it symbolizes in the first place the complete and cordial reunion of the two long-sundered branches of the Anglo-Saxon race, and in the second place the abandonment of that policy of isolation which has been America's cherished

tradition for the past century. The course of events during the last four critical years has necessitated the closest co-operation between Britain and America in defence of their common tradition of freedom, and it has compelled the Transatlantic Republic to intervene with all her might and with decisive effect in the affairs of the sad and bad Old World. President Wilson reached France on December 13. He went there first because he had more things to say to M. Clemenceau than to any one else. The French Premier admits that at first they did not see eye to eye with one another in respect of several crucial questions. The final outcome of these conversations has, however, happily been a general agreement. Although M. Clemenceau's pronouncement concerning the Balance of Power does not at first seem to accord with President Wilson's regarding the League of Nations, a moment's reflection shows that there is no essential conflict. The "Balance" which M. Clemenceau desires is not the old Balance, nor indeed strictly a Balance at all, but an overwhelming alliance of democratic states pledged to freedom and to peace. The President's League, although it may ultimately include repentant Germans and their dupes, is at first to be precisely the same thing. In England, which he reached on December 26, the American President had fewer controversial points to discuss, and he was able to devote himself primarily to social functions the object of which was to display and to emphasize the permanent establishment of the Anglo-Saxon *entente cordiale*. The once-thorny question of the Freedom of the Seas had been deprived of its pristine prickliness long before the President's arrival. He had recognized and admitted that no interpretation of that ambiguous and unlucky phrase could be accepted that would involve any diminution of those belligerent rights of the British Navy which, under God, had been the main means whereby victory over the Autocratic Empires had been secured.

MR. FISHER was given a royal welcome at the inaugural meeting of the Annual Conference of Educational Associations at University College on New Year's Day. Twenty minutes before the meeting was timed to begin the lecture theatre was uncomfortably packed, there being no standing room even. So large was the disappointed crowd that Mr. Fisher, with characteristic kindly thought for teachers, consented to repeat his address to an overflow meeting in another part of the College. The heartiness of this welcome, as well as the resolutions passed by the Head Masters at their meeting on January 3, and by the Annual Conference on January 4, show how completely Mr. Fisher has captured the confidence of educational workers throughout the country. His address on January 1 on "The Art of Keeping Alive," bubbled with humour and sparkled with epigram—certainly Mr. Fisher has the gift of keeping an audience alive and keenly interested. We cannot refrain from repeating a few of his *obiter dicta*. "The hardest problem of educational statesmanship is not to find and test the teacher, but to keep him alive and interested in the continuous exercise of his craft." "It is stupid to overwork; it is ruinous to coddle." "A school without a library is like a man without eyes." "Some school libraries contain at least a ton of tedium for every ounce of entertainment." "The real test of old age is spiritual estrangement from the life of youth." "Next to poverty, the force which has most powerfully con-

Mr. Fisher at the January Conferences.

tributed in the past to depress the vitality of the teacher is the sense of isolation." "Leisure is only valuable if it improves the quality of work." We hope it may not be long before Mr. Fisher is again persuaded to address teachers on their everyday work.

Entertainments for Children. IN the Christmas holidays especially the need for healthy and amusing entertainments for boys and girls of preparatory-school age is much felt in London and other large towns. The average pantomime of commerce seems written to appeal to the humour of dwellers in mean streets. When a child has reached an age to understand the songs and dialogue, he becomes bored by the references to kippers, lodgers, mothers-in-law, and the usual stock-in-trade of the low comedian from the music-halls. Then, of course, there remains "Peter Pan," but in time even that masterpiece loses its first freshness. So we are glad to note the venture of the Hammersmith Lyric Opera House, which opened on Christmas Eve with a delightfully original play by Mr. A. A. Milne, "Make Believe," which is certainly not without its appeal to parents also. The scenery, the music, and even the programmes are unlike those of other theatres; but in these days of entertainment taxes the middle-class father finds it difficult to afford many trips to theatre-land. We feel convinced that there is a large *clientèle* waiting for any one bold enough to open a real kinema for children. The filming of fairy stories and of the many children's books would afford a large choice for the afternoons of a four-weeks' season. In the evening the usual "crook" or cowboy scenes might reappear without hurting the minds and eyes of the young. The day is not far distant, we trust, when every large school will have its own kinema for teaching many subjects. The eye needs educating as much as the ear.

The Army Education Scheme. THE Army Education Scheme is having a better Press than it deserves, yet no one will grudge the promoters their advertisement if only they achieve their proximate aim in the permanency of the new "Educational Establishment." It will indeed be a capitulation for commanding officers to admit that the would-be efficient soldier can spare time for general education. But, as an instrument of training or education, the scheme has still to justify itself. It bears all the signs of an extemporisation: schemes of work were not thought out beforehand—are not thought out yet; there has been no careful selection of textbooks; the administrative personnel, with here and there an exception, has apparently been chosen for its innocence of any knowledge of educational routine; and the *corpus vile*, as Lord Gorell tells us, is as changing as a snow man. If the Department are really concerned to do more than just keep the men out of mischief for a few idle hours a week, they would be well advised to concentrate their military talent on the Army Overseas, and to entrust the education of the Home Forces to the Local Education Authorities. These at least know what evidence of capacity an instructor ought to produce; their staffs can suggest suitable subjects and curricula; and all the business of time-tables and textbooks is as familiar to them as it is mysterious to the average captain on the Educational Establishment. In the early days of the War the Local Authorities strove against much opposition to provide for

the educational needs of the recruits; where the conditions were favourable the work succeeded, and where it was not successful it was not expensive. Let Lord Gorell apply to the Board of Education for the names and addresses of the County and County Borough directors, and send the list round his establishment with the necessary instructions. At the worst, he will save the tax-payer much unremunerative expenditure; at the best, the Home Forces will gain a solid educational advantage in place of amusing but otherwise unsatisfactory tit-bits.

Cambridge and Compulsory Greek. ON January 17 the Senate of Cambridge University approved, by 162 votes to 14, the report of the Special Syndicate on the rearrangement of the Previous Examination, Part I, which involves making Greek an optional subject with certain modern languages. This abolition of compulsory Greek at Cambridge

is the logical outcome of changes which have been taking place in recent years in the curricula of public and other secondary schools. For instance, in 1912 the head masters of five great public schools came to the conclusion that boys in public schools either need not begin Greek till they are fourteen or need not take it at all. For some years past the Board of Education have been bringing pressure to bear, and have induced many schools to reduce the number of languages taught to two—of which one must be French. There is now, too, fairly general agreement that the education of all boys and girls up to sixteen should be general in character, specialization being deferred until after that age. In view of tendencies of which these are typical, it has been anomalous, to say the least, that students proposing to graduate in mathematics, science, or other of the many modern subjects, should have been compelled to acquire a modicum of Greek to "satisfy the examiners." Probably the regulation now abolished, which has, we think, ruled for ninety-five years, has on the whole done more to discredit the study of Greek than to encourage it. May Oxford soon follow the excellent lead of Cambridge!

The Future of the Study of Greek. THE abolition of compulsory Greek will save the time and prevent much irritation of future University students not proposing to graduate in classics, but it need not, as many distinguished humanists have admitted, in any way interfere with the serious study of the classical languages. The study of Greek may be deferred until the upper forms of the public schools are reached, and still remain an integral part of the curriculum of these schools. So long as a classical education is regarded as the best introduction to many professions, and as the most suitable preparation for success in public life, so long will the public schools continue to encourage their most able boys to specialize in classics. And it will be long before the older Universities consider the possibility of degrees in classics without Greek. Though Greek is not compulsory in our newer Universities, many of their students still take up its study with enthusiasm. Convinced as we are of the supreme importance for the spiritual and intellectual life of the community of preserving sound classical scholarship, we are sure that the abolition of the small amount of compulsory Greek which Cambridge has hitherto demanded from all and sundry will in no way detract from the serious pursuit of clas-

sical learning by those whose tastes and genius lie in this direction.

Urgently needed Help.

THE Professional Classes War Relief Council are asking further assistance from the generous public to enable them to carry on their work throughout the current year. Since October 1914 they have assisted with the education of about 800 children, the sons and daughters of professional men, and still have on their register for the current term between 300 and 400 children. Up till December 31, 1918, the total expenditure on this part of the Council's work had been £25,000. This sum was expended for fees at either boarding schools or day schools; for maintenance grants when the children live at home and it is felt that the family's income is insufficient to provide adequate food for them; for travelling expenses, school books, and necessities; for school outfits and for other incidental expenses. The carrying out of the Education Department of the Council's work is in the hands of a body of experts, with Sir John McClure as chairman and Mr. Cholmeley as deputy-chairman. Valuable co-operation has been given by the heads of many schools throughout the country. The Council point out that the peace which fills all hearts with thankfulness and hope will by no means bring instant relief to those on whose behalf the Council work; indeed, in many cases it may bring added suffering owing to the loss by both men and women of employment in temporary Government war work.

The Medical Council and the First School Examination.

WE welcome cordially the decision of the General Medical Council to accept the certificate of the First School Examination as fulfilling the educational requirements for admission to the Register of Medical Students, though with the proviso that the subjects English and Mathematics must have been passed "with credit." We trust that further experience will lead the Council to accept the ordinary pass certificate. It is true that no subject will be named on the ordinary certificate, while the Council have hitherto rightly demanded English and Mathematics for both the senior and junior preliminary examinations for the medical profession. The admitted aim of the Council is eventually to establish the senior examination—the standard of the complete pass-with-credit—as the only gateway to the Register. In view, however, of the needs of the country and of the numbers of candidates coming forward, this ideal must be regarded as distant. Meanwhile it must be the desire of the Council and teachers alike to raise the level of the Junior Entrance Examination. Beyond question, the First School Examination in any shape or form is a higher qualification than the Junior Medical Preliminary, and it is to the interest of the schools and of the country alike that as many candidates as possible should seek admission by the First Examination. Weighty arguments have led the Council to insist that English and Mathematics should be named on the certificate. We fear that the standard thus set will prove too high and the position of the Junior Examination be found more securely entrenched.

THERE are two reasons for the perplexities arising out of the new Superannuation Act. First, while the position of the teachers in the primary schools is

The Superannuation Act.

established, many secondary school teachers have no existence in the eyes of the State. Secondly, during the final stages of the Bill, a hurried extension had to be made to pacify the advocates of the better-known non-State schools. At the same time the expenditure had to be kept near the amount granted by the Treasury. As a consequence the Act is in parts vague, and vital points are qualified by the words "subject to prescribed conditions." The Board of Education have now issued certain Statutory Rules and Orders which prescribe conditions for pensionable service and elucidate other clauses. In any consideration of the Act, it is important to distinguish between "qualifying" service, which is not, as such, pensionable and "recognized" service, which is; and also between the full recognition of certain non-State schools and the partial recognition of service in *any* non-profit school. The extension to certain non-State schools is now defined. Although the Act has justly been welcomed as an important advance in educational progress, it would be idle to expect that, with its omissions—to say nothing of the total exclusion of certain classes of teachers, e.g. University lecturers—we have heard the last word on the subject.

The Church and Education.

WE have pleasure in directing our reader's attention to the report on "Christianity and Industrial Problems," drawn up by the Archbishop's Fifth Committee of Inquiry. The whole report is replete with interest and significance, but our special concern is of course with the chapter on education. If there was a time—and we fear that on this point the report is less accurate and outspoken than on most others—when the Church distrusted and suspected all educational effort which did not originate with itself, and was therefore led into the mistake of putting a drag on the wheel of progress, that time has manifestly gone by. This report is a well-informed and carefully considered survey of the educational situation, and it constitutes a whole-hearted acceptance of an advanced programme of reform. A liberal culture for all, care for the physical welfare of children, less stinted expenditure upon education, the raising of the status of teachers, continued education for adolescents with better wages for the parents as a corollary, educational opportunities of a non-vocational character for adult men and women—these and other reforms are earnestly demanded, in the name of those principles of social justice which are of the essence of the Christian religion. We wish we had space to quote some of the striking sayings with which the report abounds, but for these we must refer our readers to the report itself.

Expenses of Educational Meetings.

THE enlarged responsibilities to be fulfilled by Local Education Authorities increase the advisability of representatives meeting to discuss their difficulties and achievements and of taking part in professional conferences. The regulations made by the Board of Education under Section 38 of the new Act, with reference to the expenses of education meetings, will remove any hindrances that have existed hitherto in promoting facilities for the organization of conferences and the attendance of accredited representatives. Under the County Councils Expenses Act, 1890, the Council of an administrative county was authorized to pay out of the

county fund any sum not exceeding £31. 10s. as an annual subscription to the resources of an Association, as well as any reasonable expenses of not more than four representatives in attending meetings. Similarly, the Public Health and Local Government Conference Act, 1885, provided for conferences of Local Authorities, as defined by the Public Health Act, 1875—that is, Urban Sanitary Authorities, and Rural Sanitary Authorities. But no similar statutory sanction has been in existence to meet the case of the Councils of Boroughs, and these Authorities, when they have desired to hold conferences in connexion with their duties under the Education Acts, have availed themselves of the provisions of the School Board Conference Act of 1897.

THE new regulations enable any Local Education Authority to make reasonable payments for actual travelling expenses and subsistence, in accordance with the scale adopted by the Council concerned, to persons nominated to attend a meeting or conference held for the purpose of discussing the promotion and organization of education or educational administration. As regards contributions towards the expenses of conferences and associations, a Council may, in connexion with any one meeting or conference, subscribe a sum of two guineas or an amount equal to two shillings per thousand of the population of their area; they may also pay a yearly subscription to any Association or body, organized for the discussion of educational problems, a sum not exceeding ten guineas if the population of the Council's area exceeds twenty thousand, and a sum not exceeding five guineas if the population is below twenty thousand. These regulations to facilitate the stimulus of consultation are all to the good; there remains the more urgent question of recognizing the need of encouraging regular attendance at the numerous meetings of Education Committees and Sub-Committees by refunding the travelling expenses of members.

MATHEMATICAL PROBLEM PAPERS.

By Dr. CHARLES DAVISON.

MATHEMATICAL exercises belong to three classes. There are mere examples on some theorem or method or formula, examples which are designed to aid the understanding of the theorem or method or the remembering of the formula. Again, there are riders which may require some thought or skill for their solution, but for which a hint is usually given as to the use of the theorem to which they are affixed, though other theorems may also be involved and some construction, more or less simple, may be required. And, lastly, there are problems which differ from riders chiefly in the absence of any hint for solution, and as a rule, though not always, in their greater difficulty.

Mathematical problem papers were at one time a prominent feature in scholarship and tripos examinations. In the former they have usually disappeared or been replaced by bookwork papers, which are really collections of subjects for essays (most valuable in their way) rather than problems. In school work problem papers have long held a place, especially since 1885, when the Rev. J. J. Milne published his *Weekly Problem Papers*. During the present century they have to some extent been displaced, owing chiefly to changes in the method of teaching.

In selecting the problems for a general paper there are several points to be considered. The problems should not be chosen for their difficulty only. As a rule, each problem

should depend on some important theorem or illustrate some useful method. The pupil should feel that he has learned something from the solution of every problem, whether the solution is his own or the teacher's. As far as possible every problem should admit of more than one solution, partly because there is then more chance of a pupil hitting on one of the methods, partly because it is useful afterwards to compare the different solutions sent in, and to point out which solution is the best and why it is the best.

One of the chief difficulties experienced in making up a paper is due to the wide range of ability among the different members of a class. It is obvious that the paper must contain one or two problems which even the dullest boy has a prospect of attacking with success. There must be others which lie just within or just beyond the range of the ablest boy, for the problem from which a boy learns most is usually that which he can just not solve, while the problem from which he is likely to learn least is one which is considerably beyond his powers. Unfortunately it is not always possible to exclude all such problems, for a teacher may not at first sight appreciate the difficulties which a problem presents to a beginner. In order to save the time of the cleverer boys, and yet to provide ample material for the duller ones, alternative easy problems may be given or, which comes to the same thing, full marks may be obtained by working an allotted fraction of the paper.

Problem papers are usually of a miscellaneous character, one or more questions being given on each subject studied. Sometimes, however, a paper might consist of problems on a single topic. One might contain questions involving, say, the different tests of the perpendicularity of two straight lines, or the concurrency of several lines, or the collinearity of several points. Or, again, some important problem may be subdivided into a series of steps, leading finally to the solution of the whole: as, for instance, the calculation of the length of the third diagonal of a cyclic quadrilateral or the envelope of the Simson line of a triangle. Or a paper might consist of a group of theorems on one subject, the theorems being scattered in one or several textbooks, such as, for instance, those on the pedal triangle of a triangle, the medians of a triangle, &c. Papers of this kind have an object beyond that of ordinary problem papers; they help to co-ordinate a pupil's knowledge of certain subjects which are not specially considered as a whole in textbooks.

The length of a problem paper is naturally governed by the time that can be allowed for its solution. But whether the time should be limited or not is a matter on which one's practice may conveniently vary. To restrict the time encourages alertness of thought; to leave it unfixed enables a pupil to return to an intractable problem later, when some new method of attack may occur to him. As a rule, perhaps, but not always, the former method is more suitable to advanced pupils and the latter to beginners. To both a one-hour paper of very easy problems may often be given with advantage.

The marks allotted to the different questions in a paper must depend partly on the difficulty of a problem, partly on the more or less advanced nature of the reading required for its solution. It is not always easy for an examiner to determine the relative difficulty of two problems. Grasping the solution so readily himself, he cannot always appreciate the steps which a beginner must take in attaining it. For instance, in a paper of fifteen arithmetical problems, the marks at first suggested after working the paper from the proof were as follows:—

4, 4, 4, 4, 6, 4, 6, 4, 8, 8, 8, 8, 10, 10, 12.

Then, on rapidly looking through the papers sent up by three classes, and counting the number of correct solutions to each question, it appeared that the question which to the examiner seemed to be hardest then occupied a middle place; others, of what seemed moderate difficulty, obtained the fewest solutions. Making use of the order of difficulty as manifested by the candidates, the final marks allotted were:—

3, 3, 3, 6, 6, 4, 7, 6, 7, 6, 12, 6, 12, 12, 7.

The maximum marks for a problem being settled, there still

remains the question of deciding the numbers of marks to be given to solutions of varying merit. One's standard of merit is at the best an arbitrary one. It is clear that marks should be deducted if important steps in the argument are omitted, or if the argument is clumsily or incorrectly given. But two different solutions may both be presented without fault, and yet one may be distinctly better than the other and deserve the higher marks.

The labour of searching for problems, and the difficulty of obtaining or inventing suitable ones, may be considerable. In many cases, the labour may be saved by using one of the collections of problem-papers which have been published recently.* Such books possess advantages other than that of saving labour. They are almost sure to contain questions off the line or groove to which the teacher, perhaps without knowing it, may have become accustomed. Again, the author or compiler of a book is bound to have thought and searched widely for his problems, and those which he gives are the best of a far larger number collected.

A book of problem-papers may save a teacher trouble, and its use in class may save him time. But the needs of a class vary so greatly from one half-year to another that it is not often perhaps that a book will contain problem-papers that are suited to present needs. Again, a problem may happen to be beyond the reach of every member of a class, and it would then be advisable after a short interval to set a similar problem, or one depending on the same principle as that which they failed to solve. A book of papers can take little account of such a need. There is also a risk, which may not be serious, but is nevertheless present, that the solutions may be handed on from class to class in successive years.

CHILDREN'S IDEAS ON PUNISHMENT.

By WALTER WOOD.

AT the present time, when the European War is demonstrating daily the value of discipline and self-control, there is some anxiety at an apparent laxity in the control of children. It would be sad indeed if the rising generation, instead of profiting by the magnificent examples of self-sacrifice daily occurring at home and in the field, should grow up to suffer in moral stamina by reason of the efforts their parents are making towards the foundation of a better world. We have to recognize that the temporary withdrawal of the authority of the father from the home, and, possibly, the substitution of women for men teachers, has made a difference; that after four years the discipline of the home shows signs of relaxing, and that the moral welfare of children is beginning to suffer. It is therefore perhaps a not inopportune moment to consider this difficult question of punishment.

The purpose of punishment is known to us all, without reading Bentham on the subject. We know by common sense that punishment should be reformatory, deterrent, and retributive; the question is how to achieve that purpose. Many people will say that in the case of children this threefold purpose can be achieved without punishment. To this the answer is, in the case of some children, "Yes," in others "No." Punishment is so individual a thing that it is manifestly impossible to lay down rules. In all questions of education it is useful to look at the matter from the point of view of the child, and although it is perhaps particularly difficult to approach punishment from the child's standpoint, an attempt has

been made, and a body of opinion on this subject has been collected from the children themselves.

The method adopted was by means of the *questionnaire*, or lists of questions. These questions presented certain hypothetical cases of wrongdoing, and invited the child to place itself in the place of the parent and to say what punishment, if any, ought to be inflicted, and why. The examples were selected with great care and included the following childish misdemeanours. Thoughtlessness (a case of coming in late from play on a summer's evening by reason of forgetting the time); carelessness (two examples—breaking a tea-cup by accident and breaking a valuable vase by accident); disobedience and telling a lie. In addition the following problem in morality was included. A little boy, returning from an errand with a shilling change for his mother, gave the shilling to a poor old woman to buy food. The list of questions concluded by asking the children to say what punishment they minded most and what least. The questions were circulated amongst (roughly) two thousand boys and two thousand girls, aged eight to fourteen. The data available from the answers is worthy of the most careful consideration, but it is not practicable, within the scope of this paper, to do more than set out one or two of the conclusions which seem to be best substantiated in the hope that they will be, if not helpful practically, at least suggestive.

The first conclusion arrived at is that children of all ages are inclined to look upon punishment as merely retributive. "If I broke an expensive vase, or anything, I should get a good hiding." That is a typical answer. The punishment is the inevitable result of the accident: it is the just retribution. It does not occur to the child that it is carelessness that is being punished. Quite 80 per cent. of the children punish the breaking of the expensive vase more severely than the breaking of the tea-cup, which again points to our conclusion. "The worst punishment I ever had was when granny hit me with a stick for breaking her gramophone." No doubt many acts, no less careless, but with a less unfortunate result, went unpunished. To what other conclusion, then, can the child mind come than that the punishment is not for carelessness, but for revenge? We often tell children that we punish them for their own good. We use the classic formula, "It hurts me more than it hurts you." If the child believes this, it may afford him some satisfaction to know that he is not the only, or even the chief, sufferer; but does he believe it? In the case of children under ten we conclude they do not; such a moral abstraction is almost beyond their powers of reasoning in the light of their knowledge of the world.

The second conclusion is that there is too much useless punishment in child life. That is, too much punishment that achieves nothing, and which in some cases does not appear to have been meant to achieve anything more than to make the child uncomfortable. In other words, we see signs of the retributive idea of punishment existing in the minds of the parents. Whether this is a fair inference the reader must judge; but again and again the children's answers, which can only be based upon their experience, show that such misfortunes as breaking a valuable article or losing a shilling down a drain are more severely punished than disobedience or telling a lie. The example of the compassionate boy, in which the offence, if any, is giving away what does not belong to you, provides some illuminating answers. Suffice it to say that a higher percentage of girls punish in this case than in the following case of telling a lie. "A little girl was sent into the park with her baby brother and told not to go on the grass, which was wet. The little boy ran on the grass, and his sister went on the grass to fetch him back. On returning home her mother asked the girl if she had been on the grass, and she replied, 'No.'" This for most girls of all ages is "a let off." This seems to point to the serious need for teaching the importance of the strict truth; and the answers to the disobedience example show the same need for teaching strict obedience as such. Reasoning, appearing under the childish equivalents of "grumbling," "telling off," "talking at," and "spoken to," seems to be rarely resorted to, and on the whole there appears evidence of too much purposeless summary punishment.

* Such as: Milne's *Weekly Problem Papers* (Macmillan), Mayo's *Easy Problem Papers* (Longmans), Davison's *Easy Mathematical Problem Papers* (Blackie), Radford's *Mathematical Problem Papers* (Cambridge University Press), Durell's *Elementary Problem Papers* (Arnold), Fawdry's *Problem Papers in Mathematics* (Macmillan), Davison's *Mathematical Problem Papers for Secondary Schools* (Bell).

The third conclusion is that home punishments are "minded" more than school ones. "Writing words," "staying in," and "the cane"—the only three school punishments alluded to—preponderate in answer to the question "Which punishment do you mind least?" The only home punishment appearing at all frequently in this answer is "scolding." On the rare occasions on which a school punishment is "minded" most, it is always "the cane." Amongst little children, "because it hurts," and elder children, "because you have your name put down"—in other words, because of the disgrace. The cane at school, however, appears quite frequently, especially from the girls, as the punishment "minded" least "because it is soon over," and, more frequently still, "because it does not hurt." Corporal punishment at home, however, is another matter, and in nearly 70 per cent. of all answers figures as the punishment "minded" most. The dissentients from this view are mostly elder girls, who say "it does not make me want to do better," or again, "I mind not the least; but a motherly voice generally makes me cry." There is matter for reflection here. The answers seem to show that the moral effect of corporal punishment needs emphasizing, especially at school. That it is a strong deterrent for children under ten, and that after that age it is apt to lose its effect. The following are typical answers from children of twelve and thirteen: "I can stand being thrashed, as I am not a baby," and "I would rather have a whipping and let go out to play than stay indoors or go to bed."

A last conclusion is that there seems little co-operation between school and home in the matter of punishment. At all events, only two answers out of four thousand suggest such. "The worst punishment I had was from father when I got a bad report from school," and "I should send a note to the teacher to punish him." If this conclusion is justified, it is perhaps a pity, as both home and school are, so to speak, pulling the same boat.

A word in conclusion in defence of the *questionnaire* as a means of gaining information on educational topics. The grave objection is, of course, that children, always anxious to please, are so apt to write what they imagine is expected of them, or what they suppose will please, rather than what they really think. The answer is that with experience such answers are easily detected, and that if the net is sufficiently widely cast the false answers will be found to be only a small percentage of the whole. One genuine expression of opinion from a child will often upset all our psychological inferences as to what he *ought* to think, and we cannot afford to neglect any opportunity of gaining first-hand information from the "other world" of childhood.

WORLD ORPHANAGES.—Mr. H. L. Borgman teaches in an elementary school at Vledderveen, near Stads Kanal in Holland. He is a man of much enterprise. He is Secretary of the "Peace by English" League, the purpose of which is "to make English the world language, read by every civilized man, and used for all correspondence," which naturally has our cordial support. He is the founder of the movement for World Orphanages, which is intended to provide for children whom the War has robbed of their parents. As the result of a competition, plans have been prepared for such schools, a noticeable feature of which are the school gardens, by means of which the schools are intended to become self-supporting. This idea has sprung from what Mr. Borgman has achieved at his own school, where the school garden has been developed in an original way. He rented a piece of land measuring 70 metres by 20, and laid it out so as to represent Europe and America. The children were allotted sections—countries or parts of countries—and grew all kinds of crops. The produce was exchanged with other countries by means of regular commercial transactions, involving acquaintance with various currencies, rates of exchange, &c. Artificial manures were bought, agricultural implements were rented, money was borrowed from a bank, raw materials were turned to various uses, and so the garden became a means of practical instruction in many subjects. The scheme of World Orphanage seems to be as yet in its early stages. For information application should be made to Mr. Borgman.

PERSONAL PARAGRAPHS.

EDUCATION is well represented in the New Year Honours List. The baronetcy conferred on Sir Lewis Amherst Selby Bigge, K.C.B., Secretary to the Board of Education, will be regarded by all connected with education as a welcome recognition of the valuable services which he has rendered in connexion with the preparation of the new Education Bill and the School Teachers Superannuation Act. Mr. H. W. Orange, C.B., C.I.E., Accountant-General, Board of Education, will be regarded as fully entitled to the knighthood conferred on him on account of his services at the Board since he acted as Private Secretary to Sir George Kekewich some twenty years ago. Teachers are indebted to him for his work in connexion with the present Superannuation Act. Knighthoods are also conferred on Mr. Chimanlal Harilal Setalvad, Vice-Chancellor, Bombay University; Mr. J. H. Stone, Director of Public Instruction, Madras; and Dr. Prafulla Chandra Ray, Indian Educational Service, Bengal.

OTHER decorations are:—

C.B.—Mr. C. E. Ashford, Head Master, Royal Naval College, Dartmouth, and Adviser on Education to the Admiralty; Mr. W. R. Barker, Asst. Sec., Board of Education; Mr. F. H. Oates, Private Sec. to the President, Board of Education; Dr. J. L. Robertson, Senior Chief Inspector of Schools, Scotland.

C.M.G.—Mr. F. Tate, Director of Education, Victoria.

C.I.E.—Mr. J. G. Jennings, Director of Public Instruction, Bihar and Orissa; Mr. A. I. Mayhew, Director of Public Instruction, Central Provinces; Lieut.-Col. J. T. Calvert, Indian Medical Service, Principal, Medical College, Calcutta; Mr. B. B. Osmaston, President, Forest Research Institute and College, Dehra Dun, United Provinces; Rev. Dr. W. Skinner, Principal, Madras Christian College, Madras; Lieut.-Col. J. C. Lamont, Ind. Med. Service (ret.), Professor of Anatomy, Medical College, Lahore, Punjab.

THE list of promotions in and appointments to the Order of the British Empire includes the following:—

G.B.E.—Mr. W. Durnford, Provost of King's College, Cambridge.

K.B.E.—Prof. Bernard Pares, Professor of Russian, University of London; Prof. W. J. Pope, Professor of Chemistry, Cambridge University.

C.B.E.—Prof. J. W. Cobb, Livesey Professor of Coal, Gas, and Fuel Industries, Leeds University; Dr. A. Eichholz, Senior Assistant Medical Officer, Board of Education; Mr. J. C. M. Garnett, Principal, Municipal College of Technology, Manchester; Mr. H. J. Simmonds, Assistant Secretary, Board of Education.

O.B.E.—Mr. F. J. Armstrong, Senior Clerk, Scottish Education Department, Edinburgh, Secretary to Departmental Committee on Remuneration of Teachers; Prof. J. B. Baillie, Professor of Philosophy, Aberdeen University; Mr. G. T. Chivers, Head Master, Dockyard School, Portsmouth; Mr. J. T. Ewen, H.M. Inspector of Schools; Miss Flora Fardell, Honorary Secretary, Education Committee, Officers' Families Fund; Mr. S. G. Jones, Assistant Inspector, Board of Education; Miss Kate Manley, Woman Inspector of Domestic Subjects under the Board of Education; Mr. J. E. Singleton, Sub-Inspector, Board of Education; Mr. J. C. Smail, Organizer of Trade Schools under the Education Committee of the London County Council; Dr. W. E. S. Turner, Head of Department of Glass Technology at Sheffield; Mr. W. E. Watkins, Secretary to the Education Committee of East Suffolk; Rev. Basil A. Yeaxlee, Secretary, Universities Committee, Y.M.C.A.

THE recent elections resulted in two teacher representatives obtaining seats in Parliament; Major Gray, as Member for Accrington, and Mr. D. M. Cowan for the Scottish Universities. Such representation will undoubtedly be of inestimable value to education.

THE proposal to erect a memorial in Harrow School Chapel to the memory of Dr. H. M. Butler is nearing completion. The Archbishop of Canterbury is Chairman of the Committee which is making the necessary arrangements, and it is felt that nothing could be more appropriate than the erection of a pulpit, which would serve to recall to Harrovians the wonderful sequence of sermons which Dr. Butler preached there for upwards of twenty-five years.

OLD Harrovians in all parts of the world will learn with regret of the impending resignations of Mr. Edward Graham from Rendalls, Grove Hill, and Mr. Edward Montagu Butler, son of the late Master of Trinity, from The Park. Both were educated at Harrow and have taken prominent parts in matters affecting the welfare of the school. Mr. Graham was appointed in 1882, Mr. Winston Churchill being numbered among his pupils, and Mr. Butler has been on the staff since 1891.

NOTICE has recently been given of two notable bequests to Education. The late Dr. Percival, formerly Bishop of Hereford, has left a legacy of £1,000 to the Governing Body of Appleby Grammar School, at which he received his early education. The interest on the legacy is to be given to promising pupils requiring pecuniary assistance. The late Lord Rhondda has bequeathed £20,000 to Gonville and Caius College, Cambridge.

DR. HENRY BOND has been elected Master of Trinity Hall, Cambridge. Dr. Bond entered at Trinity Hall in 1873, and gained the Member's Prize for an English Essay two years later. He was senior in the Law Tripos, 1876; Chancellor's Medallist for legal studies in 1877; and he obtained a First Class in the Historical Tripos in the same year. He was appointed Lecturer in Law at Trinity College in 1886 and filled this position for thirty years. He was then elected to a Fellowship at Trinity Hall, becoming Law Lecturer there in 1888. He is a barrister-at-law of the Middle Temple and J.P. for the County of Cambridge.

MR. W. H. WATSON, acting Head of the Chemical Department of the Northern Polytechnic Institute, has been appointed Vice-Principal and Head of the Chemical and Natural Science Department of the Portsmouth Municipal College.

IT is reported that Prof. Percy F. Frankland is contemplating retirement from the Mason Chair of Chemistry at Birmingham University. Prof. Frankland has been in the service of the University for twenty-four years, but has lately suffered from ill-health and requires a complete rest from duties.

MR. T. W. HOLME, Assistant Master at Harrow School since 1904, has been appointed Joint Head Master of Locker's Park School, Hemel Hempstead.

MR. F. B. HALFORD, at present Second Master at Macclesfield Grammar School, has been selected for the headship of Alsop High School. Mr. Halford is a specialist in modern language teaching. He was formerly on the staff of Wolverley Grammar School, and his experience includes four years at continental Universities and schools.

THE Leicester Education Committee have appointed Mr. F. P. Armitage, head of the Modern Side, and chief Science Master at St. Paul's School, London, as their first Director of Education. Mr. Armitage has been a master of St. Paul's since 1898, and is the author of several textbooks on chemistry.

THE Council of St. Lawrence College, Ramsgate, have appointed the Rev. J. R. Taylor, formerly Vice-Principal of Ridley Hall, Cambridge, to be Head Master, and Colonel David Smith, Royal Military Academy, Woolwich, to be

Bursar. The school is returning from Chester to Ramsgate for the reopening of term.

BRIGADIER-GENERAL G. H. GATER, D.S.O., is to succeed Dr. Lloyd Snape, as Director of Education, under the Lancashire Education Committee. General Gater was formerly a scholar at New College, Oxford, and has had practical experience as a teacher. Before the War he was Assistant Director of Education for Nottinghamshire, where he rendered valuable organization services in connexion with the development of evening continuation schools. He joined the Army in August, 1914, with the rank of Second Lieutenant, and, although without previous military experience, he gained rapid promotion and distinction for service in Gallipoli, Egypt, and France. At the age of thirty-two, and after only three and a half years with the colours, he was in Command of an infantry brigade, and had been awarded the D.S.O. and bar. During the last few months of the War he saw a good deal of fighting, and at one time had a French battalion under his orders. He was recently awarded the Croix de Guerre and the Legion of Honour, and before the armistice he had been recommended for a divisional command.

PRESENT and past pupils of the Godolphin and Latymer School deeply regret the resignation of Miss G. Clement, who has been Head Mistress for the last fourteen years. Miss Clement was formerly a student at the Royal Holloway College, where she specialized in English. For many years she was an assistant at Bradford Girls' Grammar School, and in 1903 she became Head Mistress of the Stamford High School. In the following year she was appointed First Head Mistress of the Godolphin and Latymer School, when the old Godolphin Boys' School was re-built and re-endowed as a girls' school. Under Miss Clement the school increased rapidly in numbers and importance, and in 1909 extensions were made to increase the accommodation to 500. At present the school numbers 526, and it is but a fitting tribute to the Head Mistress to name the school as one of the largest and most successful in London. In September last Miss Clement arranged to resign at the end of the Michaelmas term, in order to take up more important war work in a Government Department. Now that war conditions are being removed, it is to be hoped that she will return without delay to the profession which can ill afford to lose her administrative ability and ripe educational experience.

GRESHAM SCHOOL, Holt, has suffered a grievous loss in the death of its Head Master, Mr. G. W. S. Howson, on January 7. Mr. Howson came of a family of schoolmasters; he was the son of Mr. W. Howson, Head Master of Penrith School, and grandson of the Rev. J. Howson, Second Master at Giggleswick. He was educated at the latter school and proceeded to Oxford in 1879, as a scholar of Merton College. He obtained a First Class in the Final Honours School of Natural Science in 1883, and took his M.A. in 1886. After serving as an Assistant Master at Newton College and Uppingham, he was appointed Head Master of Gresham School in 1900. The school had then been reconstructed by a scheme under the Endowed Schools Act, and with Mr. Howson's careful guidance it rapidly grew in size and importance, as shown by the number of scholarships gained at the Universities. Mr. Howson always devoted himself entirely to the welfare of his pupils, and entered whole-heartedly into all projects for the good of the school. He took a deep personal interest in his pupils, and exercised such an influence over them that the school became a home and a centre for old boys to an unusual degree. His death will be felt keenly by the large circle of old boys and parents, whom he delighted to gather round him.

THE Victoria Cross has been awarded, posthumously, to Captain (acting Lieutenant-Colonel) B. W. Vann, M.C., Sherwood Foresters. Captain Vann graduated B.A. at Cambridge in 1910. He played hockey for the University in the same year, and, after being ordained, spent two years as

Curate of St. Barnabas, New Humberstone, Leicestershire. He was appointed Assistant Master and Chaplain at Wellingborough School in 1912. Joining the Army in 1915, he was wounded some seven or eight times during the following three years. He won the M.C. and bar, and the Croix de Guerre by his many courageous deeds. The V.C. was awarded him for conspicuous bravery and fine leadership during the attack on Bellenglise, on September 29 last, when he led his battalion over the Canal du Nord under fire, and finally rushed a machine gun single handed. He lost his life when again leading his battalion at Ramicourt on October 3.

ONLOOKER.

TOPICS AND EVENTS.

LECTURES FOR LONDON TEACHERS.—A series of special lectures on subjects connected with problems of reconstruction has been arranged for the spring and summer terms by the London Education Committee. The lectures are available for all teachers, irrespective of the kind of institution in which they are employed. Full particulars concerning the various courses can be obtained from the "Handbook of Classes and Lectures for Teachers," copies of which can be obtained from the Education Offices, Victoria Embankment, W.C.2. Among the numerous lectures for the present term may be mentioned the course by Prof. H. S. Foxwell on "The Problem of Prices after the War, illustrated by Prices in and after the Napoleonic War," being given on Thursdays at 6 p.m. at University College, Gower Street, W.C.1; that by Mr. Harold Withers, on "National Finance after the War," at the London School of Economics, Clare Market, W.C.2, on Wednesdays at 6 p.m.; that by Sir Henry Newbolt, on "Poetry, Patriotism, and Civilization," at King's College, Strand, W.C.2, on Mondays at 5.30 p.m.; and that by Dr. W. T. Gordon at King's College, on "Britain's Underground Resources for the Future," on Saturdays at 11 a.m. A special series of addresses on various aspects of the problem of national reconstruction has been arranged for this term, and among them we notice one by the Master of Balliol on "Adult Education," at King's College, at 11 a.m. on March 22. The last two lectures of the series on "Science and the Nation" will be given at the Regent Street Polytechnic at 11 a.m. on February 15 and March 8, the first by Dr. Schuster, on "Pure Science in Relation to the National Life," and the second by Prof. J. B. Farmer, on "Some Aspects of the Rubber-growing Industry."

THE BOARD OF EDUCATION AND EVENING CLASSES.—The manner in which evening classes have been maintained throughout the period of the War has been, in the view of the Board, taking the country as a whole, highly satisfactory, and they think that Local Education Authorities are to be congratulated on the public spirit with which, in spite of many difficulties, they have endeavoured to carry on this important department of their work. It is nevertheless true that in some areas much of the work has, for reasons connected with the War, been dropped or seriously curtailed; and, now that some of the causes which have led to the closure or curtailment of evening classes can no longer be regarded as operative, and that conditions are tending to become more normal, the Board desire to call attention to the urgent importance of the resumption and development of these classes at the earliest possible date. In the special circumstances the Board are prepared to make reasonable modifications in the conditions prescribed by the Regulations for Technical Schools as regards courses of evening classes if good reason is shown when the application for recognition is made.

EDUCATIONAL RAMBLES.—A prominent feature of the Spring programme of the Selborne Society's Ramble Section consists of a series entitled, "Our Educational System," comprising visits to notable colleges and schools. The first visit took place on January 18, to University College, Gower Street, W.C.1, when Sir Philip Magnus, M.P., described the story and work of London University, and Sir Gregory Foster conducted the party over the College. Further visits include King's College on February 22 (under the guidance of Prof. Gollancz), and St. Paul's School, West Kensington, on March 22. Rambles through Legal London (including a visit to the Royal Courts of Justice, with Sir Edward Marshall Hall, K.C., as guide, and a visit to the offices of the Public Trustee under the personal leadership of Sir Charles Stewart, K.B.E.) are included in an attractive syllabus. Full details can be obtained from the Selborne Society, 83 Avenue Chambers, W.C.1.

(Continued on page 96.)

STUDENT CHRISTIAN MOVEMENT.

The Journal of Education.—"The Student Christian Movement is to be congratulated on its publications."

A Child's Bookshelf.

Suggestions on Children's Reading, with an Annotated List of Books on Heroism, Service, Patriotism, Friendliness, Joy and Beauty. By LILIAN STEVENSON. With a Foreword by the BISHOP OF WAKEFIELD. Fourth Edition. Revised and brought up-to-date. Paper boards, 2s. 6d. net.

"A most useful piece of work, admirably done."—*Preparatory Schools Review*.

The Meaning of Faith.

By H. E. FOSDICK. Second Edition. Cloth, 5s. net.

"Dr. FOSDICK has here added a worthy companion volume to his book on 'The Meaning of Prayer,' and higher praise than that a critic could scarcely pen."—*The Christian World*.

"The author's name is sufficient guarantee for any book on whose title-page it appears . . . He is a great teacher, worthy to be ranked with Henry Drummond."—*The Baptist Times*.

"Everything Dr. FOSDICK writes is well worth reading. We are inclined to think his last book is the best he has given us."—*The Record*.

A Study of Silent Minds.

War Studies in Education. By the Rev. K. E. KIRK, M.A., C.F., Lecturer and Tutor at Keble College, Oxford. 2s. 6d. net.

"Unique among war books . . . Should be read by anyone who has the real welfare of education at heart."—*The Church Times*.

"We believe the author of this book has succeeded in stating a certain problem clearly and rightly for the first time. . . . Mr. KIRK, from his experience of the British Army at the front, has made a discovery about the English mind."—*The Times Educational Supplement*.

"Mr. KIRK demands attention. . . . This most suggestive book can be heartily recommended."—*The Record*.

"Every now and then there is published a book which, small in bulk, is of really great importance. This is one of them."—*The Challenge*.

A Challenge to Girls.

Third Edition. 2s. net. Edited by M. GWEN SOUTHALE. Daily Bible readings and comments for twelve weeks, intended mainly for the private use of girls still at school, or who have just left. It has been specially prepared with those in mind who have been at the "University Women's," "Secondary School," or other camps for school-girls.

"It is a difficult task to provide spiritual help for school-girls to be in tune with their swift and generous idealism, to talk of the deepest things without self-consciousness, or a religious manner, or an objectionable 'heartiness,' or a portentous dullness. The writers of this book are to be congratulated on having triumphed over all these difficulties."—*The Challenge*.

BOOK ROOM:

32 RUSSELL SQUARE, LONDON, W.C. 1.

The Technical College

LOUGHBOROUGH, LEICESTERSHIRE.

H. SCHOFIELD, M.B.E., B.Sc. (Hons.) Lond.; A.R.C.Sc.Lond., Assoc.M.Inst.C.E., PRINCIPAL.

DEPARTMENTS OF MECHANICAL AND ELECTRICAL ENGINEERING.

Complete Courses of Training are arranged in both Theory and Practice of Mechanical Engineering.

The Workshops of the College provide accommodation for 500 students working at the same time.

The equipment is on most modern and comprehensive lines, and comprises plant for turning, fitting, milling, grinding, automatic lathe operating and tool setting, tool and gauge making, foundry work, pattern making, drawing office work, heat treatment, viewing and testing of all kinds.

None but first-class work of a productive character is undertaken by the students, working under the skilled supervision of a fully qualified technical staff.

The complete course covers a period of five years, during which works training in all the above sections will be given, and this will be accompanied by a full theoretical course of instruction in the College Lecture Rooms and Laboratories.

Intending students should be at least sixteen years of age, and have had a good Public School or Secondary Education.

The fee is £5 5s. per term, and there are three terms in the College session.

Boarding accommodation is provided in Hostels attached to the College, full particulars of which, together with illustrated Prospectus, will be forwarded upon application to the Principal.

W. A. BROCKINGTON, O.B.E., M.A.,

Director of Education.

THE ANGLO-FRENCH SOCIETY.—The London home of the Anglo-French Society was opened on January 1 at Scala House, Tottenham Street, W. 1. The premises include a lounge, a drawing-room, a gentleman's smoking-room, a ladies' boudoir and a small hall capable of seating an audience of two hundred. In it will be held the weekly causeries which were so popular last year. A special feature is being made of the library, where already the leading French periodicals and journals may be found and where shortly a representative collection of French works of reference and current literature will be housed. Teachers will find it a convenient rendezvous, and for them a reduced subscription has been inaugurated. For 7s. 6d. they can become members of the Society, and for £2 they can have the full use of the premises which fulfil all the requirements of a club. Teas are served between 4 and 6 p.m., and if need arises other meals will be provided. In February will appear the *Anglo-French Review*, designed to knit still closer the bonds that connect the two countries. Any doubt of its success will be banished when it is known that the editors are H. D. Davray and J. Lewis May.

A TRAINING SCHOOL FOR MUSIC TEACHERS.—The establishment of a Training School for Music Teachers was inaugurated on January 11 by a lecture from Mr. Stewart Macpherson. He emphasized the need for teachers to be something else than merely performers who could transmit the power of imitating musical parlour tricks to unwilling pupils. Teachers ought to be sufficiently equipped to be able to cultivate the minds of their pupils through their ears, and not only to train fingers to perform feats of digital dexterity. The music-teacher ought to take a wide view of the art, and link it up with literature and other arts. The teacher who professes to train others must himself be trained. At present the teaching profession is over-crowded with pianists, vocalists, and violinists, who imagine that because they can play or sing, therefore it follows of necessity that they can teach others. But the supply of trained music teachers who are able to take class work on artistic and comprehensive lines is quite inadequate to the demand. Hitherto, there has existed no comprehensive scheme for the training of music teachers: this want is now supplied by the new school, which is not established to foster any particular fad, but intends to make its students conversant with all important modern methods of music teaching. The work of the school will be carried on for the present at 19 Berners Street, W. 1.

PRIMARY SCHOOL NOTES.

The Superannuation Act.

THE attention of teachers who are included in any Pension Scheme drawn up by any Local Authority is directed to the ruling of Section 14 of the new Superannuation Act, whereby a declaration of withdrawal from such scheme must be made by the teachers concerned before July 1, 1919. In the case of a teacher entering recognized school service after April 1, 1919, the declaration must be made within three calendar months of such entry. Failure to make such a declaration debars a teacher from the benefits of the Superannuation Act of 1918. Forms of declaration of withdrawal, which must be signed in duplicate, can be obtained from the Local Education Authority or the Governing Body of the school in which the teacher is serving. Notice is also given by the Board of Education, under Section 4 of the Superannuation Act, that certified teachers who do not accept the Act shall give notice in writing to this effect before July 1, 1919. Teachers who do not desire to accept the new Act are therefore requested to give notice to the Secretary of the Board of Education.

The New Attendance Regulations and Half-Timers.

SEVERAL important changes relating to school attendance are outlined in the Board's Circular 1084. As from April 1, 1919, no additional attendances may be reckoned in respect of any partial exemption scholar. The effect of this decision will be to abolish the grant subsidy which has hitherto been paid by the Board of Education on account of the attendances of half-time pupils. If, for example, a half-timer made five attendances per week grant was paid on seven and a-half attendances, an addition of 50 per cent. being allowed. For the future, therefore, any continuance of the half-time system will involve Local Education Authorities in heavy financial loss. The new regulation would appear to be the forerunner of the announcement of the raising of the school age to fourteen years and the abolition of the half-time system.

As from April 1, 1919, school average attendances will be computed for the twelve months ending on March 31 in each year. New summary registers will, in consequence, be required on April 1 next in all primary schools where the registration year differs from that prescribed. Considerable clerical relief will be given to infant school teachers by the following regulation:—"No separate average attendance will be computed for children under and over five years of age; but a single average attend

(Continued on page 98.)

JAMES GRAY LTD.

HEATING ENGINEERS,

DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone:
Western 201.

Telegrams:
Gray 201 Western London.

In Crown 8vo. Cloth. Pp. i-vi + 353. With 113 Illustrations in Text.
6s. net, plus postage.

SIMPLE EXPERIMENTAL HYGIENE, PHYSIOLOGY AND INFANT MANAGEMENT

FOR THE USE OF SCHOOL TEACHERS.

By K. M. CURWEN, Assoc. Royal San. Inst.

CONTENTS.—The Body, pp. 1-148; Food and Clothing, pp. 155-225; The House, pp. 235-280; Some Special Points, pp. 287-291; The Care of Infants, pp. 295-336. Appendix. Bibliography. Index.

Pocket Size, pp. i-xii + 134. Cloth. Price 3s. net, plus postage.

HOW TO BECOME A WOMAN DOCTOR.

By EMILY L. B. FORSTER.

Late Lecturer to the Westminster College of Pharmacy; Late Analyst Metallurgical Laboratory, King's College, University of London.

WITH A FOREWORD.

By W. J. FENTON, M.D., F.R.C.P.

Dean of the Charing Cross Hospital Medical School (Men and Women).

London: CHARLES GRIFFIN & CO., LTD., Exeter Street, Strand, W.C. 2.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental Apparatus Parts and Materials.

Lenses, Achromatic or Plain, Prisms, Mirrors, and Optical Goods.

Best Make, Second-hand P.O., and other Galvanometers, Relays, Electric, and Optical Instruments at ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings for the Student of Science.

Telephones, Batteries, Morse Keys, and every aid for Radio and Telegraphic Experiments. Our Celebrated Wimshurst Machines.

War-time List 2 stamps. Second Hand Apparatus List 1 stamp. Call or write for information. (H. J. DALE has had fifty years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Sicilian Avenue, Bloomsbury Square, London, W.C. 1.

SLOT WEIGHTS

FOR THE

Mechanics Laboratory

Raw material is now available, and we shall shortly be able to supply large quantities in both English and Metric denominations.

Slot Weights from one-hundredth pound to one hundred pounds and from five grams to fifty kilograms.

Weight Hangers to suit.

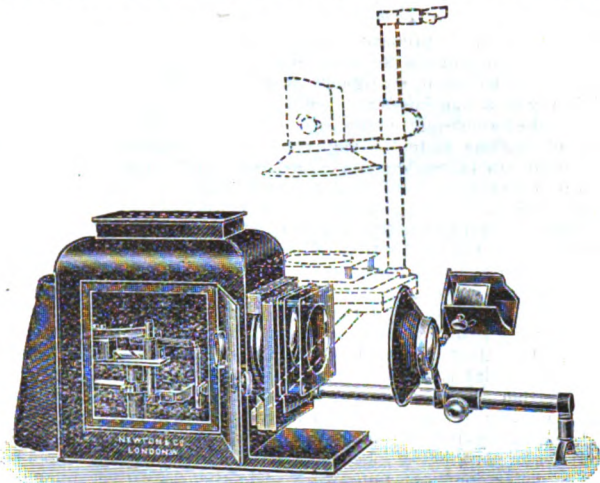
G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.

OPTICAL LANTERNS

AND SLIDES

for use in

COLLEGES, SCHOOLS, and other EDUCATIONAL INSTITUTIONS.

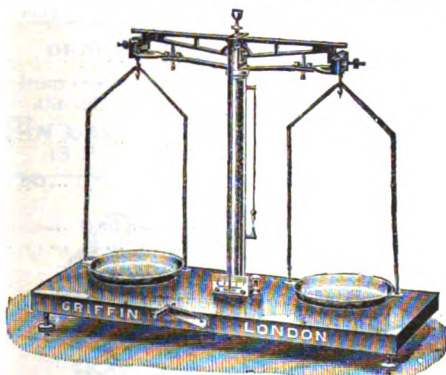


SCIENCE LANTERNS for LECTURES and DEMONSTRATIONS.

NEWTON & CO.

(Established over 200 years),
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.
KEMBLE STREET,
KINGSWAY, LONDON, W.C.2.
MAKERS OF PHYSICAL AND ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES
MANUFACTURED BY
GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLenkAMP
—& Co., Ltd.—

BRITISH CAPITAL
BRITISH CONTROLLED

19-21 SUN STREET,
FINSBURY SQUARE,
LONDON, - - - E.C.2

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

We are now manufacturing
VOLUMETRIC APPARATUS
(graduated on our own premises by a skilled staff, and with the latest approved methods and machines) in the three following Grades:—

1. For General School and Commercial Analyses.
2. For extra accurate Commercial Analyses, with or without National Physical Laboratory Class "B" mark.
3. Instruments of highest accuracy for Research Work with National Physical Laboratory Class "A" mark, with or without Certificate.

"They are well-made articles, and appear to be quite as suitable for laboratory work as the apparatus formerly obtained."—NATURE.

Circular No. 199 post free.

Telephone—LONDON WALL 1404 & 1405.
Telegrams—"GALLenkAMP, FINSQUARE, LONDON."

ance must be found for all the scholars in a department." The condition that the Board will require quarterly summary returns on June 30, September 30, December 31, and March 31, on forms to be supplied, is new. As a matter of fact, quarterly summaries are kept already and the preparation of the returns will entail little additional labour.

The Demand for a National Scale.

THE position of primary school teachers in relation to scales of remuneration continues to be illogical and unsatisfactory. Scales of salaries vary widely in contiguous areas; and, in the few cases where uniformity of action has been sought, this appears to be directed not so much to the formulation of rates based upon the economic and professional needs of teachers as to the degree to which the grants of the Board of Education can be made to save the local rates. Quite a number of Education Committees, isolated for many years from direct contact with the general public owing to the lapse of municipal elections, appear to be under the impression that pre-war conditions of life are about to be resumed with the declaration of peace. Incompetence to read the portents of the times is not only largely responsible for the grave economic unrest among teachers, but it is a positive disqualification for the office of administering modern education. Strikes among teachers are increasing at an alarming rate. Practically every part of the country is affected by the feeling of injustice, and, unless the whole question of teachers' salaries is speedily taken up in a liberal and statesmanlike spirit, further strikes will occur all over the country. As an example of the anarchy which prevails upon the subject it may be stated that the maximum salary of an assistant master under the York scale is £300 per annum, that of a head master in the lowest grade school being £380; under the new Lancashire scale the respective amounts are £240 and £270. In addition to the disability of £60 and £110 per annum borne by a Lancashire assistant and head master, there would be a difference in the superannuation allowances of £30 and £55 per annum respectively. The fact that 60 per cent. of the amount expended upon teachers' salaries is to be paid by the Board of Education emphasizes the urgency of the need for the establishment of national scales. In this connexion it is significant that motions demanding a national scale have been received from Teachers' Associations throughout the country for discussion at the Easter Conference of the National Union of Teachers.

The Demobilization of Teachers.

THE demobilization of service teachers appears to be working expe-

ditiously; already in some districts the teachers are at home and preparing, after a short holiday, to resume school duties. Within a brief period, therefore, a large number of temporary teachers will be disengaged. The suggestion has been made that these teachers, practically all of whom are qualified and thoroughly efficient, could be retained permanently in the education service if the "Appointed Day" for the raising of the school age could be fixed for the immediate future. Most of the schools in areas where the existing leaving age is thirteen years will require an additional teacher when the age is raised to fourteen, so that the transition state could be smoothly bridged by the retention of War-time teachers. There is every possibility that many of these teachers, once dispersed, will not be available for school service.

National Union of Teachers.

THE War Aid Fund of the Union for wounded and incapacitated teachers, soldiers, sailors, nurses, and their dependents has realized the creditable sum of £147,500. The subscriptions have been steadily maintained since the inception of the fund, being composed of modest amounts readily repeated. The number of teachers reported killed is now 1,850. The withdrawal of Sir James Voxall and the defeat of Captain Goldstone at the General Election leave Major Gray, who was successful at Accrington, as the only Parliamentary representative of the Union. In connexion with the unrest among teachers in relation to salaries, it was reported at the last meeting of the Executive that the resignations of teachers had been sent in at Bacup, Gateshead, Grimsby, Ryde, and Stockton-on-Tees. There is a possibility of drastic action being taken in two other districts. The Annual Conference at Cheltenham, so far as the public sessions are concerned, promises to be concerned mainly with the questions of salary scales, supply of teachers, teacher representation on Education Committees, and the position of disabled soldiers as teachers.

ROYAL SANITARY INSTITUTE.—The prospectus has now been published of the courses of training for sanitary officers, health visitors, and school and maternity and child welfare workers, arranged by the Royal Sanitary Institute. The lectures will commence on February 17 at 6 p.m.

SCHOTT & CO.'S RECENT POPULAR Pianoforte Albums.

ANGELELLI, C.	NET
J. S. Bach's 8 Short Pieces transcribed	2 6
BOWEN, YORK.	
Silhouettes: 7 Pieces, Op. 2, 2 6; 4 Pieces Op. 3	2 6
BURTON, FRANCIS.	
Our Village. Suite of 5 Pieces	2 6
BUSH, WALTER.	
From Dawn to Dusk. 5 Miniatures	2 6
A Bowl of Fragrance. 5 Pieces	2 6
FREDERICKS, JOSEPH.	
In My Garden. Vol. I and II each	2 6
Birthday Present. Vol. I and II each	2 6
Moods. 12 Easy Pieces. Vol. I and II each	2 0
Days of Birth. 7 Pieces.	2 6
The Children's Hour. 10 Short Pieces. In 2 Books, each	2 6
FRIML, R.	
Trianon. Suite française Op. 86	2 6
HUYTS, H.	
Village Scenes. 6 Tuneful Pieces	2 6
IMBODEN, WALTER.	
Sous Bois. 3 Pieces	3 6
JOHNSON, BERNARD.	
A Deserted Waterway. 5 Pieces	2 6
KEYSER, ALFRED DE.	
Christmas Eve. 8 Short Pieces	2 6
LOHR, HARVEY.	
When We Were Children. 12 Pieces Op. 20	2 6

MOSKOWSKI, M.	NET
Albums, Op. 77, 3 Books each	2 6
NEVIN, ETHELBERG.	
1st Album of 9 Pieces; 2nd Album of 8 Pieces each	3 0
Maggio in Toscana Op. 21	3 0
Water Scenes. 5 Illustrations Op. 13	3 0
Sketch Book. Op. 2	3 0
NEWARK, G.	
In Sunshine and Shadow. 5 Pieces	2 6
Roses and Pearls. 5 more Contrasts	2 6
OEHME, R.	
Ce que disent les Fleurs. Vol. I and II each	2 6
3 Humoresques	2 6
POLDINI, E.	
An Old World Garden. 6 Pieces Op. 65	2 6
SCOTT, CYRIL.	
Impressions from "The Jungle Book" (Kipling)	3 6
Poems. 5 Pieces	3 6
Egypt. 5 Pieces	3 6
Miniatures. 3 Pieces	2 6
WAGNER, R.	
Piano Album. 3 6; The same in cloth	5 0
Easy Piano Album. 10 Pieces from Operas. Vol. I	2 0
The same. Vol. II	2 0
7 Overtures. Vol. III	2 6
WILM, N. VON.	
6 Characteristic Pieces Op. 249	2 6
4 Pieces (Musical Garlands) Op. 251	1 6
Album for My Young Friends	2 0

SCHOTT & CO., 48 Great Marlborough Street, LONDON, W.1
(Members of the Performing Right Society).

ENGLISH AND COMMERCIAL CORRESPONDENCE

By H. L. CARRAD, B.A. (Lond.)
(Honours in Modern Languages).

The Author has had extensive experience as a teacher, a lecturer, an examiner, and a business man. For many years he was an Examiner for the Union of Educational Institutions, and a Lecturer on English Language and English Literature under the Birmingham Education Committee.

This Text Book tells you

HOW to avoid meaningless phrases.
HOW to reconstruct poorly written letters, making them original and effective.
HOW to present their ideas clearly and forcibly.
HOW to criticize letters lacking in courtesy or clearness, and to reconstruct them to embody these qualities.
HOW to answer letters of enquiry.
HOW to write letters of introduction and recommendation.
HOW to order goods.
HOW to acknowledge orders and remittances.
HOW to compose form letters and sales letters.
HOW to condense all necessary information into a telegram or cablegram.

A course which not only teaches how to construct a letter that shall be mechanically correct, but *drills* students in the writing of original and effective correspondence on many and varied subjects, is invaluable. *Extensively used in Commercial Classes.*

Price 3/6 net; 3/10 post free. Teacher's Copy, 2/8.

Specimen pages sent free on application.

THE GREGG PUBLISHING CO.,
21 Harrington Street, Liverpool.
And at NEW YORK, CHICAGO, SAN FRANCISCO.

La Petite Revue.

(THE RELIANCE PRESS, LONDON.)

"Les Distracts," Comedy by LADY FRAZER.
"Fifine" and "Le Tiroir Secret," by GERTRUDE TROTTER.
Anecdotes, Devinettes, "Choses du Jour," &c.

Pupils: 6d. per Term, **Three** numbers post free.

Inquiries—

H. J. PURKISS,
THE KING'S SCHOOL, GRANTHAM.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED.

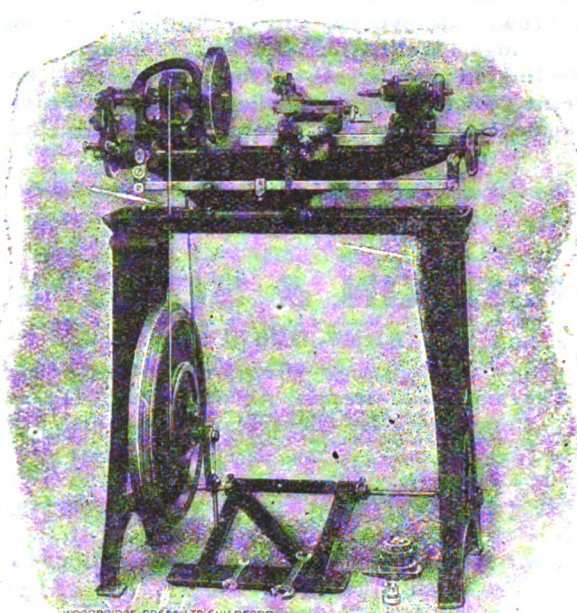
Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE)
13 Paternoster Row, London, E.C.4.



DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated.
A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable.
DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable.
The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work



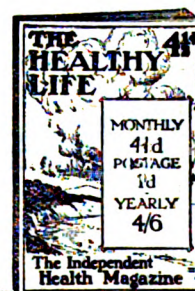
WOODBRIDGE PRESS LTD GUILDFORD

As supplied by the British Admiralty.
Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

¶ Send 5½d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W.1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



BADGES & MEDALS

For SCHOOLS, CADET CORPS, CRICKET, FOOTBALL, SHOOTING, BOWLING, &c.
CUPS, SHIELDS, TROPHIES, SOUVENIRS, &c. Our Designs and Value always best.
Also at Birmingham, Write **THOMAS FATTORINI, Bolton.** London, & Skipton.

BOOKS

On Educational, Scientific, Medical, Law, Theological and ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.
BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants. Books Bought.
W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C.2.

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following :—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of
Uniforms, Head-dresses, Accoutrements, Lace, and Embroidery for Officers and Rank and File.

Address inquiries to :

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C.2,

For a Quotation before trying elsewhere

BOOKS BOUGHT AT GOOD PRICES.

A SELECTION FROM METHUEN'S EDUCATIONAL LIST

The Modern Office. By JAS. STEPHENSON, M.A., M.Com. (Vict.), B.Sc. (Lond.), Head of Higher Commercial Department, The Polytechnic, W. Crown 8vo, 4s. 6d. net.

The Play-work Book. By ANN MACBETH. With numerous Illustrations. 2nd Edition. Crown 8vo, 3s. 6d. net.

The Elements of Engineering Drawing. By E. ROWARTH, A.M.I.E.E. With Diagrams. Crown 8vo, 4s. 6d. net.

A Senior Experimental Chemistry. By A. E. DUNSTAN, D.Sc., F.I.C., and F. B. THOLE, D.Sc. Crown 8vo, 7s. 6d.

Elementary Experimental Science. By W. T. CLOUGH, A.R.C.S., and A. E. DUNSTAN, D.Sc., F.I.C. With Plates and Diagrams. 17th Edition. Crown 8vo, 4s.

Stories from the Old Testament. By E. M. WILMOT-BUXTON, F.R.Hist.S. 3rd Edition. Crown 8vo, 2s. 6d.

Stories from the New Testament. By E. M. WILMOT-BUXTON, F.R.Hist.S. Crown 8vo, 2s. 6d.

A First Course in English. By W. S. BEARD. Cr. 8vo, 2s. 3d.

A Junior English Grammar. By Canon WILLIAMSON, B.A. With numerous passages for Parsing and Analysis, and a chapter on Essay Writing. 6th Edition. Crown 8vo, 3s.

A Class-Book of Easy Dictation and Spelling. Selected by Canon WILLIAMSON, B.A. 13th Edition. Fcap. 8vo, 1s. 6d.

A Class-Book of Dictation Passages. Selected by Canon WILLIAMSON, B.A. 21st Edition. Crown 8vo, 2s. 3d.

Tommy Smith's Animals. By EDMUND SELOUS. Illustrated. 15th Edition. Fcap. 8vo, 2s. 9d.

Tommy Smith's Other Animals. By EDMUND SELOUS. Illustrated. 10th Edition. Fcap. 8vo, 2s. 9d.

Tommy Smith at the Zoo. By EDMUND SELOUS. Illustrated. 2nd Edition. Fcap. 8vo, 2s. 9d.

Tommy Smith again at the Zoo. By EDMUND SELOUS. Illustrated. Fcap. 8vo, 2s. 9d.

A Junior French Grammar. By L. A. SORNET and M. J. ACATOS. 4th Edition. Crown 8vo, 3s.

A Junior French Prose. By R. R. N. BARON, M.A. 8th Edition. Crown 8vo, 3s.

First French Lessons. By A. M. M. STEDMAN, M.A. 13th Edition. Crown 8vo, 1s. 6d.

Easy French Passages for Unseen Translation. By A. M. M. STEDMAN, M.A. 7th Edition. Fcap. 8vo, 2s.

French Vocabulary for Repetition. Arranged according to Subjects. By A. M. M. STEDMAN, M.A. 17th Ed. Fcap. 8vo, 1s. 6d.

Junior Geography Examination Papers. By W. G. BAKER, M.A. Fcap 8vo, 1s. 6d.

A Junior Greek History. By W. HORTON SPRAGGE, M.A. With 4 Maps and 4 Plates. Crown 8vo, 3s. 6d.

Stories from Roman History. By E. M. WILMOT-BUXTON, F.R.Hist.S. 5th Edition. Crown 8vo, 2s. 3d.

Easy Stories from English History. By E. M. WILMOT-BUXTON, F.R.Hist.S. 9th Edition. Crown 8vo, 1s. 9d.

A School Latin Grammar. By H. G. FORD, M.A. 4th Edition, Revised. Crown 8vo, 4s.

A Junior Latin Prose. By H. N. ASMAN, M.A., B.D. Crown 8vo, 3s. 6d.

Initia Latina. Easy Lessons on Elementary Accidence. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 16th Edition. Fcap. 8vo, 1s. 6d.

First Latin Lessons. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 15th Edition. Crown 8vo, 2s. 6d.

A First Latin Reader. With Notes adapted to the Shorter Latin Primer, and Vocabulary. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 8th Edition. 18mo, 2s.

Easy Latin Passages for Unseen Translation. By A. M. M. STEDMAN, M.A. 17th Edition. Fcap. 8vo, 2s.

A Vocabulary of Latin Idioms and Phrases. By A. M. M. STEDMAN, M.A. 7th Edition. 18mo, 1s. 6d.

Junior Latin Examination Papers. By C. G. BOTTING, M.A. 12th Edition. Fcap. 8vo, 1s. 6d. **Key**, 5s. net.

Easy Exercises in Arithmetic. Containing 5,000 Examples. By W. S. BEARD. 10th Edition. Fcap. 8vo. Without Ans., 1s. 9d; Answers, 1s. net.

Junior Arithmetic Examination Papers. By W. S. BEARD. With or Without Answers. 8th Edition. Fcap. 8vo, 1s. 6d.

METHUEN & CO., LTD., 36 Essex Street, London, W.C.2.

G. BELL & SONS, Ltd.**HISTORY.**

SOME STANDARD CLASS BOOKS.

English History Source-Books.

Edited by S. E. WINBOLT, M.A., Christ's Hospital, Horsham, and KENNETH BELL, M.A., Fellow of All Souls College, Oxford. **Now complete in 17 volumes.** 1s. 6d. net each.

ALSO **A Source-Book of London History.** By P. MEADOWS, M.A. 1s. 9d. net.

Canada, 1535-1913. By JAMES MUNRO, M.A. 1s. 6d. net.

Scottish History Source-Books. 1s. 6d. net each.

1637-1688. **The Scottish Covenanters.**

1689-1746. **The Jacobite Rebellions.**

The Expansion of British India. A Source-Book of Indian History. By G. ANDERSON, M.A., Prof. of History, Elphinstone College, Bombay, and M. SUBEDAR, B.A., B.Sc. (Econ.), Professor of Political Economy, University of Calcutta. 4s. 6d.

Being Volume One of a new series covering the Expansion of British India, 1818-1858.

A Historical Course for Secondary Schools. By B. L. K. HENDERSON, M.A., D.Lit., and P. MEADOWS, M.A., Assistant Master at Haberdashers' Aske's School, Cricklewood. With many illustrative excerpts from contemporary sources and questions for class use. In Four Volumes, each self-contained. 2s. 6d. each.

Vol. I. **Western Europe.**

Vol. II. **The English Nation: Industrial and Social History.**

Vol. III. **The English Nation: Constitutional History.**

Vol. IV. **The English Nation: Political and General History.**

Illustrated Histories of England. By GEORGE GUEST, B.A., Head Master of St. Paul's School, Bournemouth. In 3 vols. Illustrated. 2s. each.

Vol. I. **A Social History of England.**

Vol. II. **A Constitutional History of England.**

Vol. III. **A Military and Imperial History of England.**

English History Course.

Bk. II. **First Lessons in English History.** Illustrated. 1s. 6d.

Bk. II. **A Junior History of England.** Illustrated. 2s.

Bk. III. **A Senior History of England.** Illustrated. 3s.

TWO IMPERIAL READERS.

Highways of the World. By A. E. McKILLIAM, M.A. Crown 8vo, with Maps and Illustrations. Fourth Edition. 2s.

The Building of the British Empire. By E. M. RICHARDSON, B.A. Crown 8vo, with Illustrations, Maps and Plans. Third Edition. 2s.

Landmarks in the History of Europe. By E. M. RICHARDSON, B.A., Assistant Mistress of St. Saviour's and St. Olave's Grammar School for Girls, S.E. Crown 8vo., with many Illustrations and Maps. Fourth Edition. 2s. 6d.

Europe in the Nineteenth Century. An Outline History from 1802 to the opening of the Great War, 1914. By E. NIXON and H. R. STEEL. Crown 8vo, with Maps and Illustrations. Third Edition. 2s. 6d.

Ancient History for Schools. From the Earliest Times to the Death of the Emperor Augustus. By E. NIXON and H. R. STEEL. Crown 8vo, with Maps and Illustrations. 2s. 6d.

An Introduction to English Industrial History. By HENRY ALLSOPP, B.A., late Vice-President of Ruskin College, Oxford. Crown 8vo, with Maps and Plans. Fourth Edition. 2s. 6d.

YORK HOUSE, PORTUGAL ST., LONDON, W.C.2.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.**SCALE OF CHARGES FOR ADVERTISEMENTS.****PUBLISHERS' ANNOUNCEMENTS—**

Whole Page	... £5 10 0	One Column (½ page)	£3 0 0
Half Column (½ page)	1 15 0	One-Eighth Page	... 0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—

6d. per line; minimum charge, 5s.

Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d. *prepaid rate.*

Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each 8 words after, 6d.; *prepaid rate.*

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C.4:

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London City and Midland Bank, Ludgate Branch." *Postage stamps can only be received at the rate of thirteen to the shilling.*

Notice must be given of all remittances through the Post Office from abroad, stating *full name and address* of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

JOHN RUSKIN AND EDUCATION.

JOHN RUSKIN, whose centenary falls this month, was, above all things, an interpreter of the Beautiful in Nature and Art, and a prophet of social righteousness. And therefore he was in the broadest sense a great Educator. "I feel as if I had hitherto been walking blindfold: this book has given me eyes," said Charlotte Brontë, after reading "Modern Painters." And his later books gave us eyes to see not beauty, but the ugliness of our social conditions under the industrial system. But with education itself he was but scantily concerned. He taught at the Working Men's College; he lectured on Art at Oxford, but the schools which he planned in connexion with the St. George's Guild were never actually brought into being. His views, therefore, will be rather broad and general, dealing with principles rather than methods and organization. For all that, they are seminal.

Some features must not be treated too seriously, such as his sweeping diatribes against the three R's and machinery. These, too, are useful to us, for we have been too much inclined to regard the three R's as ends in themselves instead of what they really are—mere instruments of knowledge. There is no nurture in them for the soul, and precious little for the mind; and there are other branches of knowledge which matter more. It is more important that we should learn the elementary truths about plants and animals, the processes of the seasons, and the habits of our Mother Earth; these things are the alphabet by which we spell out the secrets of Nature, and they are more essential to our wellbeing than the alphabet whereby we spell out the secrets of the *Daily Mail*.

Indeed, the great value of Ruskin to all educators is that he took such broad views of the subject. To him education was the biggest word in the language. He tells us of a girl who was

taken from school to look after her mother who was ill. Someone said it was "such a pity her education should be interfered with." As though the knowledge of French and other sideboard "accomplishments" could for a moment be regarded as having a higher life value than the tenderness of sympathy and gentleness of ministrations the lassie would learn at her mother's bedside.

He refused to think of school in terms of the classroom. Classrooms there have to be, and such classrooms should be made as beautiful as can be. "My own belief is," he says, "that the best study of all is the most beautiful, and that a quiet glade of the forest, or the nook of a lake shore, are worth all the schoolrooms in Christendom." These nooks and glades are very remote for most of us, but there is an underlying truth which we can follow out, as far as in us lies, and Mr. Fisher's holiday camps are on the line of Ruskin's educational gospel.

One of his great principles was that all true work is done with joy in the doing of it. But there was no flabbiness about his ideas of discipline. His own mother's training taught him that severity is not inconsistent with love. "Do the right thing, keep on doing it, and in the end you will come to enjoy doing it." Education to him was the debt which this generation owes to the generation that comes after. "God has lent us the earth for our life: it is a great entail. It belongs as much to those who are to come after us, and whose names are already written in the book of creation, as to us; and we have no right, by anything we do or neglect, to involve them in unnecessary penalties, and deprive them of benefits which it was in our power to bequeath."

This is the very spirit of our educational awakening of to-day. We are making our educational laws strict in order that our penal laws may be made light. It is what the psychologists call "inhibition through substitution." Offences will become few and disappear, when men have been taught in ways of mutual helpfulness "the things that are more excellent."

THE SUPERANNUATION ACT.

THE Statutory Rules and Orders (price 1d.) under which the new Superannuation Act is to be administered settle some of the many problems arising out of an Act introducing definite legislation for an undefined profession and complicated by the eleventh-hour inclusion of some of the non-State schools. Many people have failed to grasp the vital difference between "qualifying" service, which entitles a person to become a pensionable teacher, and "recognized" service, the years on which the amount of the pension is based.

The Rules state that no service under the age of eighteen shall count for any purpose, and that any medical fees must be paid by the person affected. Provided that the other necessary qualifying service has been rendered, teachers who have served continuously in qualifying or recognized service for two years before April 1, 1919, are eligible for pension after one day's further service. Where the service has not been continuous, periods of further service are prescribed in the Rules, varying from one to three years, with the nature and amount of the service immediately preceding April 1, 1919. It will thus be possible for a teacher with the necessary qualification, who has retired, to return, and, after certain further service, to retire with a pension. The last six months of this prescribed service must be in "recognized" service. War service is treated as recognized service, provided the teacher went from recognized service. If not, it counts as qualifying service. Similarly, any incapacitation—up to twelve months—as a result of War service, counts. The treatment of sick leave as service is subject to the arrangements made by the various Authorities, and is limited to twelve months. If this is to work smoothly and justly, the Authorities should come to some uniform arrangement with regard to sick leave. Medical examination is not required

except for the consideration of death gratuities. All entrants to recognized service after April 1, 1919, will be examined by a medical officer nominated by the Board, as will existing teachers who are over fifty-five on that date. Other existing teachers will fill up a medical form. The Rules give some alleviation as regards qualification to married women who return to recognized service. Other Rules deal with the formalities regarding application for the recognition of qualifying service and for pensions and gratuities on breakdown; with the right of refusal of certificated teachers to participate in the scheme; and with the withdrawal from present schemes.

The part of the Act incorporating the extension to certain approved non-State schools (the so-called "Fisher amendment") has caused disappointment. It was hoped that past service in such schools would be pensionable, and from the teacher's point of view this course would be more equitable. Yet it is definitely laid down that only *future* service of this kind will count. The Rules prescribe additional conditions for recognition of non-State-aided schools for purposes of pensionable service, so that, taking Act and Rules together, such a school must (1) be non-profit-making, (2) be inspected and found efficient, (3) be unable to provide pensions out of its own funds, (4) be administered by a Board of Governors under a scheme, (5) accept as members of the Governing Body three nominees of the Board of Education, (6) accept pupils nominated by the Local Authorities (such pupils to be free from any obligation as to any particular religious denomination), and (7), if requested, make suitable provision for advanced courses and for the training of teachers.

This full recognition of certain non-State-aided schools should not be confused with the recognition of not more than ten years of *back* service in *any* non-profit-making school. With regard to this service, the Rules stipulate that in addition at least ten years must have been served in recognized schools; that the total period of pensionable service shall not exceed thirty years; and that the teacher should not have been under a pension scheme of any kind at the time.

The Act, even with the Rules, still leaves many questions unsettled. For instance, no further light is thrown upon "qualifying" service, which is vaguely stated as "any employment" as teacher or otherwise "which the Treasury on the recommendation of the Board may declare to be qualifying service. . . ." Apparently such service may be in *any* school, and outside England and Wales. A. B.

THE ASSOCIATION OF SCIENCE TEACHERS.—The officers for 1919 include Miss Lees, Clapham High School, President, and Miss Saunders, Newnham College, Cambridge, Vice-President. The Association has a membership of 250. Though the membership is open to men and women, the majority of the members are drawn from all grades of girls' secondary schools, and from the Universities. They include head as well as assistant mistresses. A North-Western branch, with Liverpool as its centre, and a Midland branch, meeting in Birmingham, have been formed, in addition to the London branch, and it is expected that in the near future other branches will be established. The work of the association is carried on by a number of sectional and sub-committees. There is a permanent sub-committee to deal with examination problems, and a special joint committee, representing school and University teachers and head mistresses, is now considering matters relating to University Scholarship examinations. Full particulars may be obtained from the Hon. Sec., Miss F. Storr, 12 Angell Park Gardens, S.W. 9.

AN EAST MIDLAND UNIVERSITY.—The scheme to secure a charter of incorporation for Nottingham University College, and to place it upon the footing of a duly constituted University, continues to make progress. The Corporation of Nottingham has decided to hand over the site and buildings of the College, and to make in perpetuity a grant of £15,000 a year, when the charter for a University is granted. Under similar conditions the Nottinghamshire County Council will grant £5,000 a year. It seems probable, too, that similar support will be rendered by Leicester and Derby, and that Lincolnshire and Northamptonshire may also co-operate.

CORRESPONDENCE.

THE LEAGUE OF EMPIRE WAR MEMORIAL.

To the Editors of The Journal of Education and School World.

DEAR SIRS,—You kindly invite me to send you a line about the League of Empire and its War Memorial Buildings.

Here, at least, in this Headquarters for Teachers of the Empire, is a War Memorial which both represents an ideal and is a necessity, if the bonds which tie the Empire together and which have been drawn immeasurably closer during the last four years are to retain their strength and carry on the work of war into the days of peace.

Teachers who arrive in London from the ends of the Empire, as the fulfilment of a lifelong ambition—and this is true of scores of men and women every year—need above all things a central building where they will find friends to welcome them, a club and library, and bed and board at a modest price; where also all arrangements will be made for the best use of their time during their stay in England.

This scheme is not only imperial, but democratic: its aim is to assist school-teachers who are far from wealthy and whose one desire is to make the most of their short visit and to carry back worthy impressions and enthusiasms from their Mother Country.

Every class in the country, headed by H.R.H. Queen Alexandra, H.R.H. Duke of Connaught, and H.R.H. Princess Louise have shown a practical interest in this scheme. The Head Masters' Conference has made a contribution to it; individual schools and teachers in England and the Colonies are also contributing to this permanent Memorial of the War service and War sacrifice of teachers.

The sum asked for (£25,000) will, it is hoped, provide twenty-five to thirty bedrooms, besides a central hall and drawing room, &c.

The special work done by the League of Empire during the last seventeen years has had but one aim—to draw the schools and teachers of the Empire together by educational means. These efforts culminated in 1912, when the first Imperial Conference of Teachers' Associations was convened by the League in London. It was attended by no less than 600 delegates and representatives from all countries in the Empire. The temporary non-residential club established in 1913 was the germ of the present undertaking.

The Hon. Sec. (Mrs. Ord Marshall, C.B.E.), 48 Catherine Street, Buckingham Gate, S.W.1, will gladly send papers to any one who applies. Subscriptions to the Fund for a Headquarters for the Teachers of the Empire should be sent to Sir Philip Hutchins, K.C.S.I., Chairman of the Council and Hon. Treasurer of the League of Empire, or to me at the above address (48 Catherine Street).—Yours faithfully,

M. J. RENDALL,

Winchester, Head Master of Winchester College and
January 16, 1919. Chairman of the Executive Committee.

THE TEACHING OF HISTORY.

To the Editors of The Journal of Education and School World.

SIRS,—With the passing of the Great War, another chapter must be added to the school history book, from which the children may learn of a great crime and of a wonderful deliverance.

But we want those whom we look upon as builders to realize fully, although they may not have passed through the fire of our experience, the value of peace upon earth and of goodwill amongst men. And this depends mainly upon the manner in which not only the last chapter, but the whole book, is written, and upon the teacher's method of using it.

For an understanding of history is, to some extent, a substitute for experience, in that both are different ways of realizing the relation of a present state to past causes; the one by the active participation of the subject, the other by an effort of his imagination and intellect.

Unfortunately, at present children often only become sufficiently acquainted with history to learn of past causes in relation to events which are also past—or, alas! in some cases, in relation to nothing in particular. The average school textbook starts in the manner of

"Once upon a time there was," followed by "and this produced"; instead of "To-day there exists," followed by "because."

Since it is rarely sufficiently complete to include an end as well as a beginning, it is no true history at all; for the end is the most important part, although the most easily forgotten.

Indeed, the textbook contains an insufficient or, more often, no description of society at the present day; and the orthodox historian who writes with condescension of the cave-man and his rough dwelling, cannot spare even a foot-note to tell the ignorant children of the luckier classes about that present-day refuse-heap of a garret, in which are herded the industrial slaves of a society which boasts of freedom.

Thus there is a crying need for a chapter or two upon the history of the working classes, telling how the services they perform for the community to-day were performed in the years past; how the development of their industries has been affected by the ambition of rulers and others, and by wars; and, not least important, how they live to-day.

We cannot expect co-operation between rich and poor, between workers by brain and manual labourers, between politicians and those they rule, until sympathy has been purchased in part by knowledge.

Moreover, the textbook is misleading in another particular also. For it gives altogether too much prominence to war and its tinsel glories, encouraging an aggressive national spirit by its emphasis and colouring. If allotment of space is any criterion, it is considered more important to describe where men fought and how they fought than why they fought. Moreover, how it was that kingdoms sometimes remained at peace is obscured by the dark shadows cast by war, which at least has been political life in an abnormal, if not a diseased, state. Periods of peace are treated merely as interludes in a ceaseless war; as times of recovery from one phase and of preparation for the next.

And since the pages are overloaded by an account of events relative to war, the history of arts, and of industries, and of the common people are dealt with scantily, and therefore inaccurately. Hence that ignorance of the child and the grown-up about the manner of life of their neighbours, both he who works in the other part of the same town and he who lives across the narrow seas and speaks a different language. Of this ignorance the first fruits are misunderstanding and dislike, which give place later to industrial unrest and to war.

Obviously, all historical facts have not the same significance. We choose to teach certain of them as an essential framework around which all argument, reasoning, and knowledge must be grouped. Have we not chosen ill?

For the teaching of history has no value unless it points out how much the world owes at the present day, not merely to the successes, but especially to the failures of the past, and inspires in him who studies, no matter what his age, a determination to devote himself to an attempt to make the world better.

W. ALLEN YOUNG.

THE PERSE SCHOOL TRICENTENARY FUND.

PROPOSED TEACHERS' CHEQUE.

To the Editors of The Journal of Education and School World.

DEAR SIRS,—We shall be grateful if space can be found in your columns for the following appeal to our fellow-teachers:—

One of the outstanding educational features of the year (1918) was the Tricentenary Commemoration of the opening of the Perse School, Cambridge.

The contribution which the Perse School has made to educational progress, and the inspiration and new ideals which have radiated from it, need little or no comment. For four consecutive years Dr. Rouse and his colleagues took a leading part in the conduct of the Summer Schools held under the auspices of the "Association for the Reform of Latin Teaching." At the Perse School opportunities for observation of lessons in actual progress have been freely available to teachers for many years past. Nor is this enterprise confined to the teaching of the classics. It would be invidious almost to single out names, but we may be allowed to recall the published contributions of Mr. Caldwell Cook in the teaching of English and of Mr. L. C. de Glehn in the teaching of Modern Languages. To quote Dr. Sadler's admirable summing up of the work, "It will not be forgotten in the educational history of England. It emphasized the right things at the right time. There has been genius in it, and opportuneness."

The difficulties, however, have been great, especially those connected with the financial side of the work, though they have been largely counterbalanced by the perseverance and self-sacrificing devotion of the Head Master and his staff. It is in order to remove these difficulties and to provide long-needed extensions that an

appeal has gone forth for a "Perse School Tercentenary and War Memorial Fund." This appeal, which is supported by a large and distinguished General Committee, has appeared already in the daily press. We felt, however, that teachers as a class would not feel the personal element in this appeal which is addressed to the general public; further, that there are many teachers who would refrain from sending the small contribution which they would be willing to give, to the central offices of the fund, but would perhaps welcome an opportunity of subscribing to a small professional fund. In view of this it has been decided to open a subscription list for teachers, and we appeal to our fellow-teachers to participate in the contribution of a substantial "Teachers' Cheque." This appeal has of course the full approval of the General Committee for the Fund. Remittances by Postal Order or by Cheque should be made out to "Teachers' Perse School Fund," and forwarded to Mr. N. O. Parry, 4 Church Street, Durham.—We are, &c.,

ALICE C. CROFT (Leeds),
F. M. PURDIE (London),
ELEANOR PURDIE (Cheltenham),
EFFIE RYLE (London),
S. O. ANDREW (Croydon),
FRANK JONES (Birmingham),
N. O. PARRY (Durham),
S. E. WINBOLT (Horsham).

HISTORY AND CITIZENSHIP.

To the Editors of The Journal of Education and School World.

SIRS,—As a schoolmaster who has spent over four years in soldiering, nothing has struck me so much as the failure of our schools. The chief reason for this failure seems to have been that most men thought their school subjects were useless, and promptly proceeded to forget them when they embarked upon the serious business of earning a living. What subject has seemed more useless to boys than history? Yet history, properly taught, is the best possible training for the duties of citizenship. The war has shown that men are not lacking in the instinct of patriotism, which makes them offer their lives gladly for their country; but training, as well as patriotism, is necessary to make a man an efficient citizen. In the past many schools have taught the elements of soldiering, but all too few have touched upon even the elements of citizenship.

No doctor can be sure of treating a disease aright unless he knows something of its causes. The politician who advocates a policy as a cure for the diseases of the State is too often only a quack, and studies their symptoms and neglects their causes. The roots of our present social system lie buried deeply in the past. The causes of our discontents are to be found in our national history. Here is the schoolmaster's chance, and by teaching history with this aim in view he can enable the citizens of the future to judge for themselves. Very few schools seem to realize that history is a subject of national importance. Generally it has been the Cinderella of the syllabus, taught as an easy subject for examinations. Any master was good enough to teach it, and any textbook was used so long as it gave the facts that the examiners would be likely to require. If the teacher is given a free hand and allowed to make his own syllabus, and choose his own textbooks, he can make history at once interesting and useful.

At the school where I worked before the war only one year had to be wasted on examination work, and I was able to teach with the aim of showing my boys how our modern conditions had been evolved. During the first three years we ran lightly through English history from the Norman Conquest to our own day. In the first year we dealt with feudal life, the Crusades, the growth of a free peasantry, the work of the monasteries and guilds, and the development of architecture and the art of war. In the second year we traced the change from medieval to modern England, including the social changes caused by the dissolution of the monasteries and guilds, the widespread effects of the invention of printing, the discovery of the New World, with its wonderful influence on every side of our national life, and later the gradual growth of Parliamentary Government under the Stuarts. In the third year we studied the eighteenth and nineteenth centuries. At first we rather neglected England to follow the fortunes of her sons in America and India; but at the end of the century we returned to consider the social revolution caused by the industrial inventions, the enclosures, and the great war. In the nineteenth century we concentrated at home on the two attempts to better the lot of the people—the Government's from above by Acts of Parliament, and the people's from below by the Trade Unions. Beyond the seas we traced the growth of the small dependent colonies into a free confederation of free States.

The fourth year was sacrificed to examinations; but with those boys who stayed for a fifth year I studied historically the leading

questions of the day. Before the war we found what light history shed on the Irish question, the Empire, and conscription. When I return I hope we shall, in addition, search the past for the causes of the land problem, trace the rise of Trade Unions from their early struggles as illegal societies, and find in the history of International Law the germ of the League of Nations. My object is not to give my boys a solution to these problems, but to teach them how to solve them for themselves; to teach them that there is nothing new under the sun, and that you cannot get rid of an abuse until you have traced it to its source. As a result of this training they form the habit of thinking for themselves, and are unlikely to be carried away by gusts of popular passion to vote for measures that are historically unsound.—Yours, &c.,

A. T. L. G.

THE CENTRAL WELSH BOARD.

To the Editors of The Journal of Education and School World.

DEAR SIRs,—In your January issue your excellent correspondent suggests that the opposition to making an application to the Examinations Council for the recognition of the examinations of the Central Welsh Board as approved examinations was due to the suspicion of some insidious action on the part of the Board of Education. Your correspondent is quite mistaken: the Board of Education were never suspected, for the opponents of the application are quite as conversant with the facts of the case as your correspondent.

The Central Welsh Board was established with a view to securing for Wales a system of education which would carry out Welsh ideals, and be adapted to the needs and circumstances of Wales, which are admittedly different from those of England. The functions and powers of the Central Welsh Board are practically confined to inspection and examination, and are becoming every year limited both absolutely and relatively. For the last ten years the Central Welsh Board has been slowly but surely bartering away its independence. Your correspondent and those who agree with him would hand over the control of the examinations to an outside body on which the representatives of the English Universities are predominant, and on which there is not at present a single representative of the Welsh University. These friends may rest assured that the significance of the proposed change is not lost upon the various Welsh Local Education Authorities, many of which are now beginning to consider in earnest whether they are justified in spending thousands upon an institution which appears to carry out to a more limited extent every year the objects for which it was established. The proposed change may produce results unexpected by its advocates.

A MEMBER OF THE CENTRAL WELSH BOARD.

COMMITTEE ON WAGE-EARNING CHILDREN.—The Committee on Wage-earning children, formed to increase the efficiency and to promote the reform of existing legislation for the protection of children in employment, has issued its eighteenth annual report. The report details the steps taken by the Committee, by amendments to Mr. Fisher's Education Bill, to direct attention to the limitation of the hours of work of children on days other than school days. The Committee has continued to watch matters affecting the employment of children and juveniles, and to keep in touch with all new local by-laws. A summary of the provisions of the Education Acts, 1918, which affect child and juvenile employment, is issued with the report. Certain weaknesses in the Act are pointed out, and among these mentioned in the memorandum are that: In localities where by-laws have not been made restricting employment, children may be employed on Saturdays and all school holidays from 6 a.m. to 8 p.m.; the permission given to local education authorities to make by-laws allowing of employment forbidden by the Act is unfortunate; no restriction is put on the total number of hours for young persons of combined attendance at class and work. In unregulated employments it will be possible for an employer to make up on the next day the hours of work lost on the previous day in going to class; no increase has been made in the age up to which local authorities may make by-laws regulating general employment. Without waiting for the appointed days, the memorandum points out, local education authorities may propose by-laws prohibiting street trading for children under sixteen years of age, restricting further the hours of work of children on school days, and on days other than school days, and on Sundays, and prohibiting or attaching conditions to the employment of children in all or any specified occupations. Copies of the Report and Memorandum can be obtained from the Hon. Secretaries 17 Tredegar Square, Bow, E. 3.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

Will Mr. Fisher give us obligatory Continuation or not? If he does not, he may possibly find himself—we write soberly and in no Cassandra vein—confronted with a general refusal on the part of working men to handle goods in the manufacture of which children under sixteen have been employed. Wild, minatory talk to this effect, hitherto insignificant, there has been, as we have reported, both in England and in the United States. At present more temperate counsels prevail. So the New York State Federation of Labour, adopting at its fifty-fifth Annual Convention (1918) a comprehensive programme of education, demanded a State law establishing compulsory continuation schools for children (who have left the elementary school) up to the age of eighteen—instruction to be for not less than eight hours a week, and to be given between the hours of 8 a.m. and 5 p.m., Saturdays excepted (*American Teacher*, VII, 9). Eight hours a week for a year of forty weeks would make three hundred and twenty hours, which, you will say, is the prescription in the English Education Act. No, no! Hardly has Section 10 specified three hundred and twenty hours when, alarmed at its own audacity, and fearful lest the children should learn something in the time, it proceeds: "During the like period [of seven years from the appointed day], if the local education so resolve, the number of hours for which a young person may be required to attend continuation schools in any year shall be two hundred and eighty instead of three hundred and twenty." And whether the "young person" will ever be required to attend a continuation school for even a single hour depends on that visionary "appointed day." When is it to dawn? Says Section 52: "The appointed day shall be such day as the Board of Education may appoint, and different days may be appointed for different purposes and for different provisions of this Act." Thus the Board of Education receive powers to appoint (in any area) a day for the purposes of Section 10; but no obligation rests on them to exercise them. Whilst Mr. Fisher is being lauded by the newspapers for having introduced into England compulsory attendance of the continuation school, his Act is, at best, permissive. The New York State Federation of Labour will hardly be content with such legislation as that.

The Declaration of the National Education Association last autumn bore fruit. At the request of that body and of the Association of College Presidents, a Bill was introduced into Congress "to create an executive department in the Government to be called the Department of Education, with a Secretary of Education, who is to be the head thereof . . . and whose tenure of office shall be like that of other executive departments." To this department will be transferred the Bureau of Education and such offices, divisions, boards, or branches of the Government as are devoted to educational matters. It will be its specific duty to co-operate with the States in the promotion of public education, including hygienic education, within the respective States. It is to work with the States in the abolition of illiteracy, in teaching the English language and the duties of citizenship to the children of immigrants, in the improvement of public schools, and especially of rural schools, as to physical and hygienic education, and in the preparation of teachers. Observe that the department is designed for co-operation with the several States, which retain, as it seems, autonomy and their highly prized freedom of initiative and administration. The sum of one hundred million dollars is to be appropriated for the service of the Department of Education; in this sum each State will share according to its needs, and according to its willingness to contribute from its own treasury new funds for the development of schools. Relationship to existing Federal departments will depend on the ruling of the President.

Education a Department of Government.

A noteworthy feature of American education to-day is the stress that is laid on its obligations in respect of public health. The Bill outlined in the previous paragraph indicates this. The New York State Physical Law, operative since September, 1917, requires fifteen minutes' teaching in hygiene every week for all high-school pupils, the instruction being given often in connexion with biology. The schools deal with the health of women in a way that the article "What Girls Want to Know" in the *School Review* (XXVI, 10) illustrates. At the Universities the medical schools are generally well organized and attractive. Conspicuous is the Medical Department of Johns Hopkins University, Baltimore. Many of its professors are of world-wide fame: its graduates are spread over the whole of America; its Report shows, even for a war year (1918), three hundred and twenty-six students; and its contributions to the literature of medicine are as important as they

Towards Health; Medical Education at Johns Hopkins.

are varied. The University has a special fund to secure the most advanced medical education for women. Into details of the courses offered and the methods pursued it were improper for us to enter here. One significant statement we extract from the Report. In admitting from outside graduates of approved institutions as candidates for the degree of Doctor of Medicine, the authorities require them to furnish evidence that they have "an acquaintance with Latin, and a reading knowledge of French and German." So in France M. A. Meillet writes in his book, "Les Langues dans l'Europe nouvelle": "Ne pas savoir l'allemand c'est presque toujours renoncer à être au niveau de la science et de la technique de son temps." We cannot agree with the patriots who deem abstinence from the study of German essential for the public health!

Perhaps in English education self-development, or, as a well-known writer puts it, "the realization of the ideal of Man by each individual in and for himself," is pursued too closely and with too narrow vision. Group-consciousness is but little cultivated, or the only group apprehended is that petty world the school. There is a form of group-consciousness which may exert a supremely beneficent influence in the New Age, the group being the Anglo-American peoples. American schoolmen are conscious of this. The National Security League, through its Committee on Citizenship, has issued a revised edition of its Teachers' Patriotic Leaflet, in which the growth of American freedom from English roots is made plain. From Wisconsin we have a tract that directs the attention of every teacher in the State to a study of "America's Debt to Britain." Is there not a recent debt of Great Britain to America, not to be forgotten? Again, an English commission, visiting the Universities of the United States, has sought to promote an intimate relationship between American and English scholars. It is proposed that a permanent commission, sitting in America, should foster the mutual investigation of educational systems. And America, experimenting freely, is developing a science of education that measures and compares results with a striving for exactness hardly known in Europe. Interesting ourselves in American experiments, we may presently make experiments which will have interest for America—joint endeavour in education welding a chain of international friendship.

The United States and Britain.

FRANCE.

We shall be told presently how of old the *Raubkriege*, or predatory wars, of Louis XIV, and then the Peace of Ryswick, deprived Germany of Elsass-Lothringen; more modern and relevant are the facts that the territory was torn from France by violence in 1871 and that France has never acquiesced in the loss. A few months ago there was "no Elsass-Lothringen question for Germany"; to-day there is no Elsass-Lothringen question for France. A ministerial circular (*Bulletin Administratif*, No. 2,354) asks for the names of officials and teachers who will be disposed to take service in the *lycées* and *collèges* of Alsace-Lorraine. A knowledge of German, says the circular, will be regarded as important. In a speech delivered at the prize distribution, Massevaux, last summer, M. Lafferre, Minister of Public Instruction, promised that the retransference should be accomplished tenderly. France, he said, would look on Alsace not as a conquered country, but as a province that had remained French and was doubly dear for its sufferings. Alsations might have full confidence; their personal rights would be safeguarded and the regional language left them until a new generation should have possessed itself fully of the beautiful French speech. The different forms of worship would be respected. In a word, the freedom of Alsace would be a sacred trust. We remember that the Germans used to deride the German spoken in Alsace; hardly will the new French be more pleasant to their ears.

Will this "année d'attente" (*Revue Universitaire*, XXVII, 10) bring a great remodelling of the whole French school system? We doubt it, but report as faithful chroniclers that the movement in favour of *l'école unique* seems to gain ground. Prominent in advocating it is the society called "les Compagnons." The primary school—the term *école primaire* carries us back to 1789—is the school in which the children of the people receive elementary instruction conceived as a sufficient whole. The Revolution abolishing castes left classes, and the children of the *bourgeoisie* are taught in private schools or in the lower forms of *lycées* and *collèges*. This, say the reformers, makes against *égalité* and *fraternité*. There should be solidarity—instead of the three existing orders, primary, secondary, and higher, three stages: the *école unique* at the base for all children up to the age of fourteen; then the *lycée* with a five years' course in the humanities or in vocational subjects;

L'Ecole unique.

lastly, the University. Against the change it is pointed out the *école unique* would be embarrassed by the necessity of supplying at once a complete and a preparatory education; that the *lycée* with its present sections and encyclopædic programmes would be abruptly disorganized; and that *l'enseignement libre*, or non-State education, would have to be suppressed—an outrage on the Catholic world. In fine, there are both pedagogic and social objections to the scheme, not to be surmounted easily. It is a French question, and we leave it in France. By the Education Act, 1918, we English have chosen our course; it remains for us to sail it—with such accelerations of speed as a progressive age demands.

CEYLON.

For well-known causes Education Reports have recently been compiled slowly and arrive late. That just received from Ceylon covers activities in the year ended December 31, 1917. The total number of pupils returned as attending school is 395,809, an increase of 5,375 in twelve months and spread over both Government and grant-in-aid schools. Whilst in the Province of Uva, with steep hills and detached villages, the proportion of children attending school to population is only 1 to 39, for the whole island it is 1 to 11—a not unsatisfactory state of affairs. There is a general demand in Ceylon for English, "more English and better English," and the authorities hope to improve the quality of that supplied in certain unaided schools. Of 113 candidates presented for the January Matriculation of London University only 24 passed. The teachers find Latin a stumbling block. They contend that it should not be taken until the pupil has a thoroughly sound knowledge of English; and, says the Report, "so long as Latin is required for admission to the Ceylon Medical College, and its study is encouraged for the London Intermediate and the Cambridge Senior, so long must hundreds of victims be sacrificed for the 'higher education' of the few." Sanction has been secured for a University College, to be affiliated to the University of Oxford. Oriental studies are being fostered; the monasteries of Ceylon contain a wealth of Oriental learning which may be revealed through the medium of English.

The Report, we say gratefully, does not disdain the element of humour. It illustrates, for example, excess of zeal by the case of the head teacher of a large Government vernacular school in the Southern

Province, who, in order that he might the better illustrate to his class the principles of elementary anatomy, dug up his deceased aunt, hanging her skeleton up to dry in the garden in order to obtain a perfect specimen of a human skeleton. Unfortunately he had not consulted all the poor lady's relations, and one of them, being on bad terms with the teacher, lodged a complaint, which resulted in the teacher's being fined Rs. 15 under Section 292 of the Ceylon Penal Code for "offering indignity to a human corpse," the magistrate in his judgment remarking, "the complainant is the son of the deceased, and his natural indignation could not have been expected to abate at the thought that the remains were taken to teach anatomy to urchins." It is so that enthusiasm for science is rewarded in Ceylon. What better lot could any aunt desire? Again, the perils which hang over teachers in remote country districts are exhibited by means of the following letter, a model of epistolary style:—"I have the honour to inform you that I went to Puttalam kachcheri to draw my pay. On my return to school on the 28th instant I met a wild elephant of immense size. So we (myself and cooly) ran quickly as our feet could carry us, and made our escape by climbing up to a tree like a monkey, in which we spent about four hours. Fear and hunger prevailed us. The elephant did not see where we went. So it watched our coming again. I told the cooly to-day is our last day, and make ready for the death. Shivering with fear, turning face to face, bewailed our misfortune. Fortunately, I saw two village peasants who are going on to the same direction. I whispered them and explained them what happened. At the conclusion of my talk they wondered our escape. These fearless brave men drove the animal, making a noise, so our escape was at an end. Please consider, Sir, what shall I do if I did not meet these men? One side I am suffering from such fears, while on the other with sick. Where is my comfort then, Sir? I beg most obediently to release me from one of them."

QUEENSLAND.

In the year 1917 the Queensland Government spent nearly £724,000 on education, £570,000 out of that sum on primary education. The medical inspection of school children cost £7,370. There were fifteen technical colleges in activity—three

Education—
General and
Vocational.

directly controlled by the Education Department—with a total enrolment of 9,632 students. Increased attention to, and expenditure on, technical and vocational education are interesting notes in late reports from Queensland. The most recent developments, intrinsically vocational in their aim, include the establishment of trade classes and classes in domestic science. Instruction in commercial subjects has been amplified, with the result that the number of classes and students has been greatly augmented. Commerce and domestic science—these form by far the most popular branches of vocational education. The University of Queensland has recently formulated the conditions upon which it is prepared to grant to students a Commercial Certificate which will serve as a guarantee that the holder possesses knowledge which will fit him to embark on a commercial career with prospects of success.

UNIVERSITIES AND SCHOOLS.

WALES.

The University of Wales has arranged to give certain privileges to boys who would have become University students if they had not entered the Army. The concessions are not as generous in many respects as those granted by some other Universities, notably the Universities of Cambridge and Oxford, but they do undoubtedly constitute a great relief to boys whose studies have been interfered with by military duties. The University allows them to be provisionally matriculated on the recommendation of one of the Colleges, and they can therefore enter on their degree courses at once. The next two terms can also count as equivalent to a full year's course. The University also debated a proposal to allow students to enter after a shortened course for a special War degree or diploma, but finally rejected it, probably for the reason that the value of such a degree to its recipient would not be very great. With the return of old students whose courses were interrupted by the War, and the influx of new students, the University Colleges have practically reached their pre-War standard of attendance, but their work is, to a certain extent, handicapped by the difficulty of securing the return of members of the staffs.

One of the most interesting suggestions in the Report of the University Commission is that referring to the establishment of a Secondary Schools Committee, on the lines of a similar Committee already in existence at the University of Durham. The main functions of

such a Committee would be to discuss questions which lie across the frontier of school and University teaching, such as the standard of Matriculation and possible overlapping between school and University; standing Sub-Committees might also be established for each subject which is taught, both in the last year at school and the first year at the University. These and similar questions might, it is suggested, be discussed profitably between representatives of the University Senate, the Central Welsh Board, and the head masters and head mistresses of secondary schools in Wales. A Conference has been convened already to consider this recommendation, and it is possible that a frank interchange of opinion on the point of contact between the University and the schools will be mutually beneficial. The schools are very desirous of facilitating the work of the University and do everything in their power to increase its efficiency, and therefore it is important that they should learn at first hand in what respects they can do so. The University also, by a generous scheme of recognition of the actual work of the schools, can materially lighten the work of preparation for the University and largely minimize the examination evil, about which we hear so many complaints. The attitude of the University to the First and Second School Examinations, for instance, is a matter of great importance to the schools, and will go far towards fixing the nature of the most advanced work in the schools. Perhaps it would not also be out of place to utter one word of caution with regard to such a Committee. Its success, in our opinion, depends altogether upon its exercising purely advisory functions; any attempt to claim definite powers of control would most likely lead to friction and trouble.

Prof. Marshall, Professor of Greek, has been appointed as Principal of the University College, Aberystwyth, during the absence of Principal T. F. Roberts who is ill. It is a rather remarkable coincidence that two out of the three University Colleges should, at this critical period of the history of the University, be without principals.

Mr. A. C. Wright of Borth has purchased from Lord Mostyn the famous collection of Welsh Manuscripts in the Mostyn Library, and he has presented it to the National Library of Wales. The collection is the most valuable private collection which has not yet found its way to the library. The National Museum has also published its annual report. It is

National Library
of Wales.

proposed to establish a Welsh Naval and Historical Section, in which weapons used in the present war will be exhibited, as well as paintings and sculptures depicting the achievements by Welsh men and women in war.

Mr. H. F. Maugham, K.C., has published his report on the Salary question in Carmarthenshire, which on the whole seems likely to end this unfortunate dispute. The Swansea and Cardiff Education Committees have also reached a settlement of their disputes with the elementary school teachers, and in each case, considerable advances have been made. The Swansea scale is particularly generous, and compares favourably with any scale in the country. The uncertificated teachers are, however, still clamouring for more. In the latter case the scale proposed by the N.U.T. is the one which has been adopted with but slight modification.

SCOTLAND.

The report of the Council of the College for the past year states that the number of students enrolled was 150 (70 men and 80 women), an increase of 40 over the previous year. The income for the year was £14,556, and the expenditure was about the same; but the expenditure included a transference of £1,100 to capital reserve account in order to provide for liabilities which may be expected at the close of the war. Prof. Patrick Geddes, who was appointed to the Chair of Botany in 1888, retires at the end of the year after 30 years' service in the University.

Mr. George Bonar, President of the Dundee Chamber of Commerce, has given £25,000 to establish a scheme of commercial education in connexion with University College, Dundee. One of the conditions of the gift is that a degree of Bachelor of Commerce shall be established, and that University students seeking that degree shall not be compelled to pass a preliminary examination or to have come from higher or secondary schools; but that boys or youths who present themselves shall be admitted if they are able to show that they are capable of improvement and of undertaking University study.

The University has received a number of valuable benefactions. The most important of these is the contribution of £60,000 by Mr. W. G. Gardiner and Mr. F. C. Gardiner, prominent business men in Glasgow, for the endowment of three new Chairs, one in Organic Chemistry, one in Physiological Chemistry, and one in Bacteriology. The stipend of each of the Chairs will be £1,000 a year, and the Chairs will be named after the donors. The Chair of Chemistry, founded in 1817, is at present vacant, and when the foundation of the new Chairs is completed, the University will have three Chairs in the subject, as well as several Lectureships. Sir Joseph Maclay, Bart., has given a sum of £262. 10s. to provide for five years the stipend of a Lecturer in Clinical Tuberculosis. A Professor in the Faculty of Medicine has given £800 for the institution of a bursary in Medicine, and also £350 for the purpose of establishing a prize for the best essay on some subject in the history of Medicine. The University Court has prepared a draft Ordinance for the institution of a degree of Ph.D. The degree may be taken in any Faculty by graduates of approved Universities, who have prosecuted a course of special study or research in the University for three academic years (or in exceptional cases for two years), and have submitted a satisfactory thesis. In order to avoid confusion between the new degree and the degree of D.Phil., which is conferred for original work in Philosophy, the Ordinance abolishes the D.Phil. degree and allows the present holders of that degree to receive a diploma conferring upon them the degree of D.Lit. in Philosophy.

The Annual Report of the University for the year 1917-18 states that the total number of matriculated students was 2,091 (1,339 men, and 752 women). Over 5,000 members of the University have served in the War, and the list is still incomplete. Between 600 and 700 have given their lives, and many honours have been won, including two V.C.'s, 95 D.S.O.'s and 328 M.C.'s. The Royal Edinburgh Asylum for the Insane has submitted to the University Court a scheme for the establishment of a Chair of Mental Diseases, with an endowment of £10,000. An anonymous donor has offered an annual subscription, for a term of years, towards the endowment of a Tait Chair of Mathematical Physics.

The four Universities, after joint conference, have approached the Treasury for an increase of Government grants, on account of the losses which have been incurred owing to the war, and of the need for University development in the future. At the request of the Treasury the Universities have prepared a statement of their needs for the current academic year, and it is expected that grants to meet these needs will be included in the Parliamentary Estimates, which will be submitted to the House of Commons early in the new Session. The total amount of money for which the Universities are asking is very large, and the purposes for which it is desired include substantial increases in the salaries of the staff and provision for deficits in income, for research

work and equipment, and for buildings to accommodate the large number of students who are returning to the Universities or entering on a University career. At some of the Universities it is already becoming impossible to provide accommodation for all the students, and a considerable increase of the teaching staff is necessary. Glasgow University announces that students who intend to enter the Faculty of Medicine in May must intimate their intention before the end of February. Preference will, of course, be given to students returning from war service, and others will be allowed to matriculate only so far as there is accommodation for them.

The Education Department announces that owing to the serious interruption to school work in many districts during the past six or eight months, through the prevalence of epidemic sickness, steps are being taken to ascertain the extent to which individual schools have been affected through compulsory closure or otherwise, in order to have all the facts before them when the results of the leaving certificate examination are being assessed. The postponement of the date of the examination has been found to be impracticable, but a change is being made in the setting of the papers. Hitherto, Section II of each of the mathematical papers, except Lower Grade III, has consisted of pairs of alternatives, one or other of which has to be chosen. In 1919 this limitation of choice will be removed, and the candidate may select the two questions which he decides to answer from any of the four which the section will contain.

IRELAND.

Our last number went to Press before the complete results of the Parliamentary elections were known. We referred to the University candidates and their views on educational reforms. The Members elected for the Universities are four in number, and from the academic point of view may be regarded as satisfactory representatives, three of them being Professors of their University and the other being a former Member. Dublin University returned Mr. Samuels, the Attorney-General, and Prof. Sir R. Woods; Queen's University, Belfast, Prof. Sir Wm. Whitla; and the National University, Prof. J. McNeill. The last-named, being a Sein Feiner, will presumably not take his seat; the others are all Unionists, and the two Professors are both medical men and will be useful Members on questions of health and housing. They and Mr. Samuels have expressed themselves sympathetically towards the needs of Irish teachers.

Reconstruction and other similar words are in the air. In Belfast the question of educational reform has already been taken in hand, and it is stated that a Bill is being drafted for immediate introduction into Parliament on the lines of local self-control for Ulster. That is to say, in Ulster the schools would come under Local Authorities as in England, with local rates administered locally by County Councils, and so on. It is not certain whether this proposal is seriously intended or is meant to force the question of educational reform on the attention of the Government. It is very far-reaching, and presumably Ulster would want its share of the present Treasury and other grants, and also a Board of Education of its own, and these matters would involve controversy with the rest of Ireland. It raises, in addition, the religious question in connexion with school management, and this is a serious difficulty even in Ulster. The Roman Catholics object to it as likely, in their opinion, to lead to undenominationalism, and Mr. Stephen Gwynn, as a desperate remedy, suggests that for Ireland generally the Protestants and Catholics should each be given their share of grants and allowed to run their education separately in watertight compartments. One side of the question of local rates for education in Ireland is that the lack of them affords the Treasury an excuse for refusing aid. The argument is: Why should not Ireland pay local rates as well as Great Britain? On the other hand it is generally felt that local control would not be satisfactory in Ireland. Apart from the formidable religious difficulty, the Local Authorities are lacking in expert knowledge and are likely to be swayed by other issues. Besides, there is in many parts no sufficient population for a local secondary school. The proper solution of the question seems to be the payment of a rate levied locally over the whole country into a central fund administered by experts and advised by a body representing the localities. As a parallel, in England the London County Council imposes a rate collected by the local County Councils, and administers centrally the education of a population far larger than that of Ireland. Such a solution would permit of freedom and progress in the schools and would comply with the demands not only of Ulster but of the whole of the country.

The Juvenile Labour Committees in Ireland found themselves faced with a serious difficulty in December when they received instructions from the Ministry of Labour that they should extend the age of young persons to whom they were to give advice and assistance from seventeen to eighteen, and were told that boys and girls between fifteen and eighteen

were to receive out-of-work donations of 12s. and 10s. a week respectively, on condition of joining a course of instruction approved by the Board of Education or other Central Department concerned. There being no Central Department of Education, the Dublin Labour Committee found that boys and girls were getting the pay without fulfilling the condition; but it is satisfactory to know that the Department of Technical Instruction promptly acceded to the request of the Committee to inaugurate the necessary classes with the least possible delay. The moral is twofold. There should be in Ireland a central educational authority with the whole of education under its direction, and the conditions now being established in England of continuation schools for youths up to eighteen years should be introduced into Ireland.

In the matter of reconstruction the Irish County Councils' General Council, in their recent report, point out the desirability of placing the science of agriculture on its proper plane in the educational curriculum. They had approached the Governing Body of University College, Dublin, with a request to consider the advisability of establishing a Chair of Scientific Agriculture. The College, however, had no funds to spare, and the Council therefore suggested that, in view of the vital and growing importance of agriculture in the economic conditions of the country and the paramount importance of its development on scientific lines, the Irish County Councils should take up the foundation of the suggested chair. The County Councils have agreed to the suggestion, each county will contribute not more than £20 a year and the General Council have undertaken to contribute one-half of the annual salary of £600 for a Professor of Scientific Agriculture in University College, Dublin.

The Intermediate Education Board have issued the time-table of their examinations for the present year. The Examinations will begin on Tuesday, June 10, and continue into the following week until Wednesday, June 18. They follow the same lines as last year.

The Association held its annual meeting in January and elected Mr. J. H. Kane as Chairman for 1919. It passed the following resolution: That it strongly protests against the failure of the Irish Government and the Intermediate Board to publish reports for 1917-18 showing the allocation of the Fisher equivalent (£50,000) grant, and the Birrell (£40,000) grant respectively and calls for their immediate production. The rules for the distribution of the Birrell grant for the present year are still unpublished.

The Department of Agriculture and Technical Instruction, which now have a new Vice-President in Mr. H. T. Barrie, who was Unionist Member for North Londonderry in the last Parliament, have issued forms relating to examinations for teacherships in training in the Metropolitan School of Art, Dublin, to be held on June 17, 18, and 19; to a special examination for teachers' qualifications in manual training (woodwork) to be held on June 17 and 18; and to an examination in the principles, methods, and history of education to be held on June 21 for persons provisionally recognized as teachers of experimental science. Particulars of these examinations are to be obtained on application to the Department's Offices in Dublin.

ASSOCIATIONS OF HUMANISTIC STUDIES.—A joint meeting of the Classical, English, Geographical, Historical, and Modern Language Associations was held on January 9. Mr. Fisher was unable to attend, and Sir Sidney Lee presided in his place. Mr. Fisher, in a letter explaining his absence, said that the newer studies suffer under initial disadvantages: teachers have to be trained, textbooks written, and methods of instruction elaborated. Science and modern languages may not, consequently, be in a position immediately to take full advantage of all the school hours demanded by their more extreme advocates. Until head masters are prepared to give to different studies only so much time as can be used profitably, the balance of studies cannot be corrected beneficially. Sir Frederic Kenyon gave an address on co-operation in educational progress, in which he urged that one of the lessons to be learnt from the war is that a more prominent place should be given to the teaching of patriotism in the general education provided by our schools. We must embark, he said, on a course of education inspired by higher ideals. Four principles must be aimed at: training in moral character, in patriotism, in respect for knowledge, and in mind cultivation generally.

ROYAL INSTITUTE OF PUBLIC HEALTH.—A seventh course of lectures and discussions on "Public Health Problems under War and after War Conditions" is being held in the lecture hall of the Institute, Russell Square, W.C.1, on Wednesdays at 4 p.m. Among forthcoming subjects may be mentioned: "Women's Place in the Ministry of Health," by Viscountess Rhondda, on February 12, and "After-War Reconstruction—Social and Medical," by Sir Thomas Oliver, on March 12.

REVIEWS AND MINOR NOTICES.

THE STORY OF A STRENUOUS LIFE.

Canon Barnett: His Life, Work, and Friends. By his WIFE. 2 vols. (28s. net. Murray.)

It has become a custom to commemorate in a couple of stout volumes the deeds of men who have played a conspicuous part in their day and generation, but it is not always that the custom is so honoured in the observance as in the case of the subject of this biography. For Canon Barnett was undoubtedly a great man. He was not distinguished as a preacher or writer or scholar or thinker: his greatness consisted in seeing certain important truths with crystal clearness and in working with infinite patience, tact, and wisdom, in order to get them realized. He was a great social reformer and a great, though not a professional, educational reformer. We suppose he would hardly be considered a great Churchman, though that title will not be denied him by those who think it more important to demonstrate in practice what a church can do for the people than to promote the special interests of an ecclesiastical system.

We have no space here for comment upon the mass of interesting detail given in these two volumes; we can only draw attention to a few of the leading features of those parts of Canon Barnett's work which naturally come home to the business and bosoms of our readers. The dominating principle of his social work was that, if you are to do any good with the denizens of our slums, it is useless, or at any rate quite insufficient, to deal with them in the lump; you must go into the highways and hedges, and there work by individual approach and by personal contact. You may find God's image very hard to discern in the human scarecrows that meet your gaze, but it is there all the same, and to recognize it and bring it to light is your one hope of success. Moreover, to try to save their souls by "gospel preaching" before illuminating their minds and cleansing their bodies is to put the cart before the horse. And, in this task of disseminating sweetness and light, the Churchman did not disdain the help of suitable men of all creeds: hence the breadth and force of the movement for University settlements which he inaugurated at Toynbee Hall, and which has so abundantly justified itself.

In his more strictly educational work, Canon Barnett was equally clear-headed and far-seeing. So long ago as 1886 he introduced handwork into the school at St. Jude's, White-chapel, though only to find that the Department refused the grant because the introduction of "technical subjects" into the time-table had been illegal! He strove for the principle of continuation schools, and did what could be done to carry the principle into practice, long before there was any chance of such schools being provided by law. He saw how poor were the results achieved by the elementary schools of the early eighties, and how little was to be hoped for until "payment by results" had loosened its grip, and until remedies were found for the narrow outlook of the perky, half-educated elementary teacher of the time. He saw that the real remedy lay in opening up the Universities to the teachers, and he was a chief pioneer in the movement which enabled teachers to get their training at the Universities, and which brought the older training colleges to some extent under University influences.

These are but a few illustrations of the magnitude of Canon Barnett's achievement. But, in regard to nearly all that he did, we are bound to couple with his name that of his devoted and gifted wife, whose work in compiling this record has necessarily been almost as much autobiographical as biographical. The story of these two strenuous lives must be read by any one who would understand social and educational progress during the last thirty years.

GEOGRAPHY.

Highways and Byways in Northamptonshire and Rutland. By H. A. EVANS. With illustrations by F. L. GRIGGS. (6s. net. Macmillan.)

The present volume, which is by the same author as "Highways (Continued on page 110.)

MACMILLAN'S NEW BOOKS.

Lay's Pupil's Class-book of English Composition. By ED. J. S. LAY, Author of 'The Pupil's Class-books of Geography, History, The Vegetable Garden, &c. Book I (for Children of 9 to 10). Illustrated, 1s. 6d.

Wood's Oral and Written Exercises in English Composition. By ROBERT S. WOOD, Author of "Word-building and Composition Series," &c. Sewed. Primary, 6d. Junior, 7d. Intermediate, 8d. Senior 9d.

A Health Reader for Girls. By AGNES L. STENHOUSE and E. STENHOUSE, B.Sc. (Lond.), A.R.C.Sc. Fully Illustrated, 3s.

The Medical Times:—"The authors have been singularly successful in giving in simple language sound advice on hygienic living, and their book may with confidence be recommended to those for whom it is intended."

The British Navy: The Navy Vigilant. By L. COPE CORNFORD. Illustrated, 2s.

The Globe:—"Mr. Cope Cornford has written a reading book, dedicated to the boys and girls of the British Commonwealth, which is written in such stirring nervous English that it will make their blood tingle, and should be read by every one of them."

Dickens. David Copperfield. Abridged and Edited for Schools. By H. A. TREBLE, M.A. Illustrated. Sewed. 1s. 3d. (*English Literature for Secondary Schools*).

MACMILLAN'S SPANISH SERIES. New Vols.

Manual de Correspondencia. With Exercises, Notes, and Vocabulary. By VENTURA FUENTES and ALFREDO ELIAS, the College of the City of New York. 5s. 6d. net.

Leyendas Históricas Mexicanas. POR HERIBERTO FRIAS. Edited with Vocabulary Notes, and Exercises, by JAMES BARDIN. With Maps and Illustrations. 4s. net.

Amalia. Por JOSÉ MÁRMOL. Edited with Exercises, Notes, and Vocabulary. By AMES HAVEN CORLEY, Assistant Professor of Spanish in Yale University. 5s. 6d. net.

W. & A. K. JOHNSTON'S PUBLICATIONS.

ATLAS GEOGRAPHIES.

For Primary and Preparatory Schools.

The World and Its Peoples. Price in Limp Cloth Covers, 10d. net, or in tough Paper Covers, 8d. net.

Earth Lore. Price in Limp Cloth Covers, 1s. net. Tough Paper Cover, 9d.

(The above specially designed to meet latest requirements of Board of Education.)

British Isles } Prices in Limp Cloth Covers, 1s. net. Tough
Europe } Paper Covers, 9d., with index, 1d. extra.
Asia } Each number contains Special Maps,
Africa } illustrating Surface, Routes, Climate,
Australasia } Vegetation, Mineral Productions, Manu-
North America } factures, Distribution of Population and
South America } Political Divisions in addition to numer-
India } ous Sketch Maps. Practical Exercises
are set at the end of each section.

For Higher Elementary and Lower Forms of Secondary Schools.

British Empire beyond the Seas } Price, limp cloth covers, 1s. net.
" } Tough paper covers, 9d. "
" } with index and bound Stiff
Cloth Boards, 1s. 4d. net.

Physical Geography, covering the work required for the Oxford and Cambridge Locals and other University Examinations. 11 maps, 85 diagrams. Price 2s. 6d. net.

Junior Atlas Geography of the World, containing Orographical Maps, 88 special maps, and 20 sketch maps, with numerous Practical Exercises, price 4s. net. Bound together to form a complete Geography and Atlas, price 5s. 6d. net.

For Upper Forms of Secondary Schools and University Examinations.

British Isles } On a regional basis to meet the requirements of
Asia } University and other Examinations. Price
Africa } 2s. 6d. net each.

For Commercial Schools.

Commercial Atlas Geography. 2nd Edition, revised and brought up to date. Specially suitable for Evening Commercial Institutes, London Chamber of Commerce, Society of Arts, Civil Service, and other examinations. Price 8s. 6d. net.

MACMILLAN & CO., Ltd., ST. MARTIN'S STREET, LONDON, W.C.2.

Democracy at the Crossways. A Study in Politics and History, with Special Reference to Great Britain. By F. J. C. HEARNshaw, M.A., LL.D. 15s. net.

The Sunday Times:—"It is just the sort of guide to contemporary politics which thousands of people must be requiring at the present time. Old landmarks have disappeared, and on all hands the question is asked: 'Where do we stand—whither are we tending?' Such perplexed inquirers could not do better than study Professor Hearnshaw's masterly, lucid, and most timely treatise."

History. The Quarterly Journal of the Historical Association. Edited by Professor A. F. POLLARD, M.A., Litt.D. 1s. 3d. net. Annual Subscription, post free, 5s. 6d. net.

LEADING CONTENTS:—The Origins of France, Contd., Prof. F. M. Powicke; The History of Science, Charles Singer, M.D.; Lord Morley on History, Prof. A. F. Pollard, Litt.D.; Historical Revisions, IX—Geoffrey of Monmouth and the *Brut*, R. W. Chambers, D.Lit.

WALL ATLAS OF EUROPEAN HISTORY.

An entirely New Series of History Maps.

Designed to show at a Glance the chief Political Changes and National Movements from the

Formation of the Roman Empire to the Beginning of the Great War, 24 Large Scale Maps with insets.

Size 40 by 30 inches.

Each Map mounted on Cloth, Rollers and £ s. d.
Varnished 0 7 6 net.

Any Six Selected Maps, mounted as a Wall Atlas on Cloth and fastened together on one Roller with Metal Rims at foot of Maps to prevent curling 2 2 0 net.

The complete Series of Twenty-Four Maps made up into Four Wall Atlases and mounted as above 8 5 0 net.

Detailed prospectus and List of Maps on Application.

PRACTICAL GEOGRAPHY NOTEBOOKS.

Price in Tough Paper Covers, 6d. net each. 40 quarto pages.

Each Practical Notebook contains:—Four Contour Maps, Eight Blank Outline Regional Maps, Four Climatic Maps, Squared Paper for Sections Graphs and Diagrams, Ruled Paper for Written Exercises and Practical Exercises on Size, Position, Relief, Routes, Climate, Distribution of Vegetation, Animals and Minerals, Manufactures, Commerce, Distribution of Population and Peoples.

- 1 British Isles
- 2 Europe
- 3 Asia
- 4 Africa
- 5 Australasia
- 6 North America
- 7 South America
- 8 Physical

and Byways in Oxford and the Cotswolds," is an admirable addition to a fascinating series. Mr. Griggs, whose work is so well known in connexion with "Highways and Byways," again contributes of his best in a hundred or more drawings; and the name of Mr. Emery Walker is a sufficient guarantee of the clearness and accuracy of the map which has been specially drawn to indicate the positions of places, antiquities, &c., mentioned in the text. This is just the literature to turn to for relaxation at the present time when, as we trust, a new era of peace is dawning for the Old Country. With Mr. Evans as our guide we roam contentedly in imagination through "haunts of ancient peace" and share his evident love for the English country side and old country life. The book is cleverly written and delightful to read, for on every page there is something to interest or entertain. The reader who is familiar with Northamptonshire will realize with pleasure that the author has brought out the individuality of the county; and the critic will note that he has been most painstaking in his researches and most careful in the selection of his subject-matter.

"Arnold's Modern Geographies."—(1) *England and Wales*; (2) *The British Isles*. By A. A. DAVEY. (9d. each. Arnold.)

Teachers of geography should examine these little books carefully; they provide an introduction on modern lines to the geography of the homelands. The language is sometimes a little difficult for junior forms, but for rapid revision in higher classes they should be very useful. The maps are instructive, though in a few cases a little crowded.

"Nisbet's Self-Help Geography Series."—*World Communications by Land, Sea, and Ocean*. By H. R. SWEETING. (2s. 6d.)

This very attractive book dealing with means of transport will form a useful supplement to the ordinary textbook of geography in higher forms. The amount of time in school given to geography is usually so limited that we fear Mr. Sweeting will have to be content with the pupils' out-of-school hours. The book ought to be in every school library, for its brightly written text and the excellent illustrations will make it very popular.

Geography Stories. Told by FAMOUS TRAVELLERS. Book II. (1s. 6d. Nisbet.)

If boys and girls can be got to read these well-chosen extracts from the writings of famous travellers and naturalists their interest will be aroused and their knowledge of geography improved. The illustrations add much to the attractiveness of the book.

MISCELLANEOUS.

L'Horticulture antique et le poème de Columelle (De Re Rustica, Livre X). Par LIZZIE B. MARSHALL. (Hachette.)

Miss Marshall, sometime Head Mistress of the Kirby Secondary School, Middlesbrough, studied under Prof. Lafaye, who holds the chair of Latin at Paris, and who contributed the articles on "Hortus" and "Villa" to Daremberg and Saglio's well-known dictionary. The volume before us is a thesis that has been accepted by the University of Paris for the Doctorat de l'Université. It shows wide and careful reading in the ancient classics. About half the book is taken up with a full and interesting account of Columella's work, which affords evidence not only of technical knowledge but of literary taste. A separate chapter is devoted to Virgil's Georgics, and in other parts of the book we find references to Homer, Theophrastus, Pliny, and many more, including modern writers like Rapin and Mason. The interest that has in recent years been aroused in school gardens is growing rapidly; and therefore this well written volume should find a welcome place in the school library.

The Writers' and Artists' Year Book. Edited by G. E. MITTON. (3s. 6d. net. Black.)

This is the twelfth annual issue of a directory designed to meet the needs of free-lance writers, artists, and photographers. Details are given for the first time of Australian and New Zealand weeklies and the Canadian papers, hitherto run in with the American periodicals, are now sorted out by themselves. Those of our readers who aspire to journalistic work should study carefully the information and advice contained in this useful work of reference.

The Fleet Annual and Naval Year Book, 1918. Compiled by LIONEL YEXLEY. (4s. 6d. net. Chapman & Hall.)

This is the thirteenth issue and the fourth great War number of this inspiring annual. Its appearance, owing to many adverse circumstances, is somewhat belated, but its glorious history of the Navy's work from July 1, 1917, to June 30, 1918, makes up for any delay. The story of Zeebrugge and other mighty deeds of valour are all chronicled in official language, and a special supplement contains the names of all the ships in the Royal Navy, together with their commanding officers at November, 1918. The volume concludes with a further list of the "Navy's Immortal Names."

(Continued on page 112.)

A. & C. BLACK'S GEOGRAPHIES

By J. B. REYNOLDS, B.A.

REGIONAL GEOGRAPHIES.

Containing many Illustrations, Maps, and Diagrams.

SENIOR.

PRICE 3/6 EACH.

THE BRITISH ISLES.
EUROPE & the Mediterranean
Region.

THE AMERICAS.
ASIA.
AFRICA and AUSTRALASIA.

THE WORLD. Containing 147 Maps and Diagrams (5/-).

JUNIOR.

Containing many Illustrations, Maps,
and Diagrams.

PRICE 3/- EACH

GREAT BRITAIN and IRELAND.
IRELAND and Great Britain
in Outline.
BRITISH EMPIRE with its
World Setting.

EUROPE & the Medit. Region.
THE AMERICAS.
ASIA.
THREE SOUTHERN
CONTINENTS.

THE WORLD. Containing 78 Maps and Diagrams (4/6)

BEGINNERS'.

Containing 36 page Illustrations, 15 of which are in
colour.

PRICE 1/8 EACH.

ASIA.
THE AMERICAS.
BRITISH ISLES.

AFRICA and
AUSTRALASIA.
EUROPE (in preparation).

By L. W. LYDE, M.A., F.R.G.S.,
Professor of Economic Geography in the University
College of London.

SCHOOL GEOGRAPHIES.

SENIOR.

PRICE 2/6 EACH.

Containing Problems and Exercises,
illustrated with Diagrammatic Maps.

AFRICA.
AMERICA, N.
AMERICA, S.
ASIA.

BRITISH ISLES.
BRITISH EMPIRE.
EUROPE.
AUSTRALASIA &
EAST INDIES.

SCHOOL GEOGRAPHY OF THE WORLD.
A SHORT TEXTBOOK OF GEOGRAPHY.

Price 5/-

Illustrated with 83 Diagrams.

Price 5/-

COMMERCIAL GEOGRAPHY. Elementary.

Price 4/6

MAN IN MANY LANDS.

Price 3/6

JUNIOR.

PRICE 2/- EACH.

Containing many Maps and Illustrations, also Problems
and Exercises illustrated with Diagrammatic Maps.

ENGLAND AND WALES, III.
BRITISH ISLES, IVa.
EUROPE, IVb.
BRITISH EMPIRE, IVc.

AFRICA, Va.
ASIA, Vb.
THE AMERICAS, Vc.

A. & C. BLACK, Ltd.,
4, 5, & 6 Soho Square, London, W. 1.

PITMAN'S BOOKS FOR SECONDARY SCHOOLS

THE FESTIVAL BOOK FOR MAY-DAY PASTIME AND THE MAY-POLE

JEANETTE E. C. LINCOLN.

Many inquiries from schools and colleges in various parts of the country relative to the May-pole and May-day programmes, and the desire to aid in perpetuating this beautiful annual custom prompted the writing of this volume.

Size 8½" x 11½". 3/6 net. Illustrated.

THE PLAYGROUND BOOK

HARRY SPERLING.

The main motive of this book is to present a choice of the very best games and dances adapted to playground conditions. They are all of the kind that children delight in. Complete with illustrations and music.

Size 8½" x 11½". 2/- net. Illustrated.

THE SELBORNE SERIES

NATURE STUDY READERS

C. G. KIDDELL, B.A., F.L.S.

These books form a delightful introduction to Nature knowledge in the plant and in the animal world. The illustrations are in colour and in black and white, and are of a particularly fine character.

WALKS AND TALKS (Junior Book)

Cr. 8vo, 8 coloured plates. 1/8.

WAYSIDE AND SEASIDE (Intermediate Book)

Cr. 8vo, 8 coloured plates. 1/8.

GLIMPSES AND GLEANINGS (Senior Book)

Cr. 8vo, 6 coloured plates. 2/-.

WRITE FOR A CATALOGUE AND LEAFLETS TO
SIR ISAAC PITMAN & SONS, LTD.
1 AMEN CORNER, LONDON, E.C. 4.

AUGENER'S EDITION CLASSICAL & MODERN MUSIC

Engraved and Printed in England

LARGEST CATALOGUE OF
EDUCATIONAL MUSIC
:: IN THE EMPIRE ::

AUGENER'S SCHOOL DEPT.,
18 Great Marlborough Street, London, W. 1.

ANGLO-FRENCH SOCIETY.

Honorary Presidents:

Rt. Hon. D. LLOYD-GEORGE, M.P.	Maréchal FOCH.
Rt. Hon. H. H. ASQUITH, M.P.	H. E. M. PAUL CAMBON.
Rt. Hon. A. J. BALFOUR, M.P.	M. PAUL PAINLEVÉ.
M. G. CLEMENCEAU.	M. FRANKLIN-BOUILLON.

President:

The Rt. Hon. LORD BURNHAM, C.H.

HENRY D. DAVRAY, W. G. HISLOP, Joint Honorary Secretaries.

This Society has now been incorporated, and its headquarters include a lounge, library, lecture hall, drawing room, boudoir, gentlemen's smoking room, and several other rooms. The library, for which a collection of the best contemporary and classical French literature is being formed, with all reference books and year-books, is supplied with the leading British and French newspapers and periodical publications including literature, art, science, economics, education, travel, fashion, &c. Concerts, lectures, causeries, dances are frequently held in the lecture hall. The house is open every day from 11 a.m. to 11 p.m. Tea is served from 4 to 6. The members can use the telephone free of charge, and use the address for their correspondence.

Forms of application for membership to be obtained from the—

Honorary Secretaries: Scala House, Tottenham Street, W. 1.
(Goodge Street Tube Station.)

SCHEME FOR TEACHERS

providing Life Assurance, Capital for purchasing Schools or Partnerships, and Income on Retirement.

THE

FRIENDS' PROVIDENT INSTITUTION

having made a special study of Educational Requirements offer an adaptable form of Policy suitable for either men or women.

FREEDOM FROM INCOME TAX

in respect of the amount paid in premiums.

For particulars send a post card, giving date of birth, to:—

THE LONDON MANAGER,
FRIENDS' PROVIDENT INSTITUTION
17 Gracechurch St., London, E.C. 3.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a
REGISTER OF TEACHERS
is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C. 1.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 125.

DRILL SHOES

as supplied to the Secondary Schools in London and the Provinces.

Canvas uppers, rubber goshed, "FIBROID" soles: will outwear three pairs of rubber ones. WEAR GUARANTEED. 10's to 1's, 5s. 11d.; 2's to 5's, 5s. 11d.; 6's and 7's, 6s. 9d. Special terms for quantities.

MADDOCK & SON, SHOE MAKERS,

372 FULHAM ROAD, LONDON, S.W. 10.

When writing, please mention this paper.

MUSIC.

The Five C's. By HENRY E. PETHER.
(2s. net. Francis, Day, & Hunter.)

An ingenious attempt to assist the beginner to understand at the outset the notation of lines and spaces, and its relation to the keyboard, rather than to "learn his notes" by rote and tedious practice. The lines and spaces are treated as they should be, as continuous instead of in two unrelated chunks, one for the left and one for the right hand, and the C's of the piano are used as pegs on which the other notes depend. The keyboard is thereby mapped out in octaves, with the centre C as pivot between the hands and between the notation lines. Time values are also treated graphically. The verbal instructions are short, apt, and clearly printed.

Sight-Reading Exercises (Pianoforte). By CHARLES RAYMOND.
(In Four Books, 1s. 6d. net. Weekes.)

They should be a useful adjunct to the pianoforte teacher who seeks to help his pupil by systematic training in sight-reading to enjoy reading music, other than the pieces he studies, just as he does books. The books range from very easy to moderately difficult, and consist of short pieces, half- and whole-page long, which are fresh, musical, and fanciful, and graded in difficulties of note reading, rhythm reading, part playing, change of key, and stretching power, as well as in their demands on the young pupil's growing understanding and interpretative power.

SCIENCE.

Junior Grade Science. By G. A. WATSON.
(3s. 6d. net. Macmillan.)

The new syllabus of the Department of Agriculture and Technical Instruction for Ireland is responsible for the production of this little book. A first year course is provided in physics and chemistry, the scope of the work being very similar to that which has been current in English secondary schools during the last decade. The excellent manuals of Prof. Gregory and Mr. Simmons have been freely drawn upon for subject matter and diagrams, so that it may be taken that a sound and lucid scheme is provided. The book is admirably illustrated and should prove of great assistance to teachers in Irish schools.

A Complete Course of Volumetric Analysis. By W. J. BOONE.
(3s. 6d. net. Blackie.)

The author has collated a good general course in elementary volumetric analysis suitable for Intermediate University examinations.

Commencing with a chapter on the measuring apparatus employed, he deals with indicators, acidimetry and alkalimetry, oxidation methods, precipitation methods and miscellaneous exercises. The treatment throughout is sound and the book should be useful for those students who require just sufficient assistance in the subject and do not purpose an extended study of Chemistry.

Tommy Smith again at the Zoo. EDMUND SELOUS.
(2s. 9d. Methuen.)

Many young readers with an interest in natural history will welcome this sequel to "Tommy Smith at the Zoo." To read these bright imaginary conversations with selected animals will do much to strengthen the impressions made by a visit to the Zoological Gardens at Regent's Park. Mr. Selous this time selects the polar bear, the great bird of paradise, the hippopotamus, the giraffe, the snowshoe rabbit, the sea-bear, and the wolverine.

A Health Reader for Girls. By AGNES L. STENHOUSE and E. STENHOUSE.
(3s. 6d. Macmillan.)

This nicely produced volume well maintains the reputation which Mr. Stenhouse has gained as a clear and forcible writer of books for young students of science. With the aid of Mrs. Stenhouse he has succeeded in providing girls with an interesting and trustworthy guide to the laws of health, and the proper management of babies. The book should gain a wide popularity in girls' schools.

"Nisbet's Nature Readers." Senior Book.—*Nature Stories and Studies.* By FAMOUS NATURALISTS. (2s. 3d.)

In schools where it is still customary to encourage a love of Nature by reading about her wonders, such a book as this will be welcome. The extracts from Richard Jefferies, Gilbert White, Ruskin, Kingsley, and others, cannot fail to inspire boys and girls to desire a first-hand knowledge of plants and animals in their natural habitats; and if the book sends its readers direct to Nature itself it will have been successful indeed.

Classroom Experimental Science. By HERBERT MCKAY. First, Second, and Third Year Courses, 1s. 6d. net each; Fourth Year Course, 2s. net. Evans Bros.)

This set of four little books on elementary physics and chemistry appears to be intended for use in elementary schools. The volumes

(Continued on page 114.)

GEOGRAPHY IN EDUCATION.

PHILIPS' HUMAN GEOGRAPHIES.

By JAMES FAIRGRIEVE, M.A.,
and ERNEST YOUNG, B.Sc.

Crown 8vo, with Coloured and Black and White Illustrations.

This series of elementary books is just what its name denotes—human. Everywhere the human note is predominant and the relation of man to his environment insisted upon. The books are not merely human in the sense that they treat of geography from the human point of view, but also because the kinds of human beings who live in different environments are fully described.

They are human, too, because they take account of the characteristics of the small human beings by whom they will be used. The books are written by men in actual touch with the problem of teaching young children, and they are written in a simple and interesting fashion. They are as logical as a proposition in geometry and almost as interesting as a fairy tale.

The series is distinctly progressive both in difficulty of language and of ideal. The first two volumes deal respectively with child and adult life in certain typical areas. Volumes III-VI cover the world on new and original lines.

The illustrations are new and novel and are specially drawn to suit the purpose of the lesson.

Book I.—CHILDREN FAR AWAY.
THE LIFE AND DOINGS OF CHILDREN
IN OTHER LANDS. Price 1s. 6d.

Book II.—HOMES FAR AWAY.
THE HOMES AND PARENTS OF CHILDREN
IN OTHER LANDS. Price 1s. 6d.

Book III.—THE BRITISH ISLES. Price 1s. 9d.

Book IV.—THE NEW WORLD. Price 2s.

Book V.—THE OLD WORLD. In preparation.

Book VI.—EUROPE AND BRITAIN. In preparation.

PHILIPS' COMPARATIVE WALL ATLASES.

Edited by J. F. UNSTEAD, M.A., D.Sc.,
and E. G. R. TAYLOR, B.Sc.

Eight Sets—**World Relations, Six Continents, and British Isles.** Maps, singly, mounted to fold and eyeleted, 8s. net each; complete in this form in box, eight Maps, 40s. net, or all on roller to turn over, 35s. net. Also supplied without the Political Maps. Seven Maps, mounted on cloth, dissected, folded, and eyeleted, in thumb case, 32s. 6d. net.

PHILIPS' SYNTHETIC MAPS.

Eight Sets—**The World, Six Continents, British Isles.**
By E. G. R. TAYLOR, B.Sc.

Each Set consists of two Coloured Foundation Maps and eight Transparencies, together with Suggestions for Class Use. The whole in stout Manila case. Demy 4to, 11 by 9 inches. 9d. net per Set.

The Synthetic Maps may also be obtained separately, printed on Cartridge paper, for use as "Hand Maps," price 3d. each net.

PHILIPS' MODERN SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

New Edition, Revised and Enlarged. 80 Plates, containing 142 Maps and Diagrams, with Introductory Letterpress and complete Index. 11 by 9 inches. Cloth boards, price 4s. 6d. net.

PHILIPS' NEW SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

New Edition, Revised and Enlarged. 72 Plates, containing 97 Physical, Political, and Commercial Maps, with Index. Size 9 by 11 inches. Limp cloth, 3s. 6d. net.

Detailed Prospectus of any of the above gratis on application.

GEORGE PHILIP & SON, Ltd., 32 FLEET STREET, LONDON.
PHILIP, SON & NEPHEW, Ltd., South Castle Street, Liverpool.

OXFORD UNIVERSITY PRESS

Short Essays for Schools

For Fourth and Fifth Forms, with Specimens of Analysis and a Subject Index. Selected by S. E. WINBOLT. 3s. net.

English Prose from Bacon to Hardy.

Selected and edited by E. K. BROADUS and R. K. GORDON. 6s. net.

A New English Grammar.

Based on the recommendations of the Joint Committee on Grammatical Terminology, by E. A. SONNENSCHNEIN, with Exercises by E. ARCHIBALD, and an Appendix of the Pied Piper of Hamelin (common to all Parts). In One Volume, 3s. 6d. Also in Three Parts.

Part I.—Parts of Speech and Outlines of Analysis. (Exercises.) 1s.

Part II.—(A) Kinds of Pronouns, Adjectives, and Adverbs; (B) Forms and their chief meanings. (Exercises.) 1s. 6d.

Part III.—(A) Structure of Sentences and Clauses; (B) Uses of Forms. (Exercises.) 2s.

Fifteen Plays from Shakespeare.

With a Glossary abridged from "The Oxford Shakespeare" Glossary of C. T. ONIONS.

Palgrave's Golden Treasury.

Edited by C. B. WHEELER. 3s. Text only (World's Classics), 1s. 6d. net; the Notes, 1s. 9d. net.

English Prose—Narrative, Descriptive, Dramatic (Malory to Stevenson).

Compiled by H. A. TREBLE. 1s. 6d. net; the Notes, 1s. 9d. net.

School Bible Readings.

Recommended by the Joint Continuation Committee of the Head Masters' Conference and the Association of Preparatory School Masters. Crown 8vo, 2s. 6d.

Stories in Verse.

Selected by V. H. COLLINS. 1s. 9d.

Poems of Action.

Selected by V. H. COLLINS. 1s. 6d. Annotated Edition.

The Teaching of History.

By C. H. JARVIS. 4s. 6d.

Lessons in English History.

By C. H. CARTER. 2s. 6d. net.

The Preliminary Geography.

By A. J. HERBERTSON. Sixth Edition. With Examination Questions and 72 Illustrations. 1s. 9d.

The Junior Geography.

By A. J. HERBERTSON and R. L. THOMPSON. Eighth Edition. With 166 Maps and Diagrams, 2s. 6d. With Questions and Appendix, 3s. With Principles of Geography or Physiographical Introduction, 3s. 6d. With Physiographical Introduction and Appendix, or with Principles of Geography, Questions, and Appendix, 4s.

The Senior Geography.

By A. J. and F. D. HERBERTSON. Fifth Edition. With 166 Maps and Diagrams. 3s. With Questions and Appendix, 3s. 6d. With Physiographical Introduction, 4s. With both, 4s. 6d.

Map Work.

By V. SEYMOUR BRYANT, M.A. (Major unattached list T.F.), Assistant Master at Wellington College, and T. H. HUGHES, Professional Associate of the Surveyors' Institution, Lieut. Artists' Rifles, attached Field Survey Co., R.E., late Instructor in Map Reading to No. 15 Cadet Unit. With 90 Illustrations in Colour and Black and White. Med. 8vo, 5s. net.

Mon Premier Livre de Français.

By F. M. S. BATCHELOR. Illustrated by E. A. PIKE. 2s. 6d.

Theory and Practice of Language Teaching.

With Special Reference to French and German. By E. C. KITTS. 4s. net.

La Victoire par les Couleurs, et Autres Saynètes.

By LADY FRAZER. 1s. 9d.

Oxford French Plain Texts.

New Series, limp cloth, under the General Editorship of H. L. HUTTON. Extraits de l'Histoire Anecdotique de la Guerre. Par FRANÇOIS-NOHAIN et PAUL DELAY. Selected and edited by G. H. CLARKE.

L'Armée Française sur le Front, 1914-15. 6d. net.

Paris menacé, Paris sauvé. 6d. net.

Laurette, ou Le Cachet Rouge.

Par ALFRED DE VIGNY. 6d. net.

La Chèvre de M. Seguin. Les Vieux. Le Secret de Maître Cornille. La Mule du Pape.

Par ALPHONSE DAUDET. 6d. net.

Mateo Falcone, Le Coup de Pistolet.

Par PROSPER MÉRIMÉE. 6d. net.

Le Lac de Gers, Le Col d'Anterne.

Par RODOLPHE TOPFFER. 6d. net.

Le Chien de Brisquet, La Combe de l'Homme Mort, Paul ou La Ressemblance.

Par CH. NODIER. 6d. net.

Le Voyage de Monsieur Perrichon. Comédie.

Par EUGÈNE LABICHE. 1s. net.

La Grammaire. Comédie-Vaudeville.

Par EUGÈNE LABICHE. 6d. net.

Gringolre. Comédie.

Par THÉODORE DE BANVILLE. 8d. net.

Pourquoi Hunebourg ne fut pas rendu. La Comète. Le Requiem du Corbeau.

Par ERCKMANN-CHATRIAN. 6d. net.

Oxford Junior Latin Series.

New Series, under the General Editorship of C. E. FREEMAN. Cloth, in clear type, with Introductions, Notes, Indexes of Proper Names, and Vocabularies. 1s. 6d. each.

NOW READY.

Virgil, Aeneid IV.

Edited by C. E. FREEMAN. With Introduction, Text, Notes, &c.

Virgil, Aeneid V.

Edited, with Introduction, Notes, and Vocabulary, by C. E. FREEMAN. 1s. 9d.

Virgil, Aeneid VI.

Edited by C. E. FREEMAN. With Introduction, Notes, and Vocabulary. 1s. 9d. A New Volume in the Oxford Junior Latin Series, under the General Editorship of C. E. FREEMAN.

Selections from Ovid.

Edited by C. E. FREEMAN. With Introduction and Notes.

Livy, Book I.

Edited by C. E. FREEMAN. With a Map. Introduction, pp. 16; Text, pp. 17-101; Notes, &c., pp. 102-198.

A New Latin Grammar.

Based on the recommendations of the Joint Committee on Terminology. By E. A. SONNENSCHNEIN. Second Edition, Revised. 2s. 6d.

Elementary Book-keeping.

By E. E. SPICER and E. G. PEGLER. Second Edition, with an Appendix containing a Series of Graduated Problems with Key Answers. 3s.

Numerical Trigonometry.

By N. G. CHIGNELL. With or without Answers. 2s. 6d.

The Study of Plants.

An Introduction to Botany and Plant Ecology. By T. W. WOODHEAD. With over 200 Illustrations. 5s. 6d.

The Cultivation of Allotments.

By P. ELFORD and S. HEATON. With Diagrams. Paper cover, 8d. net.

London: HUMPHREY MILFORD,
OXFORD UNIVERSITY PRESS, AMEN CORNER, E.C.4.

are arranged on the concentric method. In the first year pupils are introduced to general physics, heat, light, magnetism and chemistry; and in succeeding years their knowledge of these subjects is enlarged, while in addition static electricity is introduced in the second year, sound in the third year, and current electricity in the fourth. The author expects that the numerous experiments, which can be carried out with very simple apparatus, will be performed by individual boys and girls and that class lessons will follow the practical work. In those elementary schools where this procedure proves to be possible, the children should—under the guidance of a teacher with a knowledge of the methods of science—form habits of careful observation and accurate reasoning. They will certainly discover what fascinating subjects physics and chemistry are when studied experimentally.

PRIZE COMPETITIONS.

THE prize for the January competition is awarded to "Corydon." *Proxime accessit* "Fortune le veut."

The winner of the Translation Prize for December is Mr. E. Latham, 61 Friends Road, Croydon.

Extract from Von Sybel's "Die Erhebung Europas gegen Napoleon I."—Wellington.

BY CORYDON.

Everywhere, in attack and defence, in youth and age, he was ever the same, ever calm and self-possessed, a nature of indomitable energy and thoroughness. There was no poetic touch, either in his appearance or in his demeanour; no compelling charm, no fire of passion. In social intercourse he was formal, stiff in his bearing, methodical to pedantry, and it often cost him a painful struggle to express himself. In his political views he was an uncompromising Tory, filled with hatred against the Revolution out of which Bonaparte's despotism had sprung; but, at the same time, he failed to understand the undisciplined enthusiasm of the Spanish people—a lack of appreciation which in many ways hampered the

accomplishment of his great task. At the same time he was penetrated, through and through, by a haughty British sense of nationality, with which he looked down upon his European allies at well as upon his Indian adversaries, and considered an uncompromisingly selfish policy as quite a matter of course. But his life shows, as no other life does, what a source of infinite happiness and mental endowment springs from a sense of duty firm as well-tempered steel. He had set his will upon the right, and bent in subjection to this will every fibre of his being. While Napoleon liked to talk of his "star," Wellington took as his motto the saying *Virtutis Fortuna comes* (Fortune is the handmaid of merit). Although he had been denied the fresh spontaneity of an Achilles or an Alexander, buoyant and loud in its joy of battle, yet he possessed in its stead a limitless self-mastery, that self-mastery which not only tames the passions, but also raises itself to the performance of any deed, because that is its will. This heroic exponent of the most deliberate defensive, nevertheless, when he had once resolved upon it, dashed forward to the attack as energetically, as hotly, and with as irresistible a fury, as the wildest fanatic—with this difference that, when his task was accomplished, still breathless from the strain, he immediately passed on his way once more, with grim concentration, cool and deliberate. In this way he chained Fortune, the object of his contempt, fast to his standards; although not to be compared with Napoleon in genius, he became the "world-victor's victor"; and his life was a unique testimony to the truth, so often misunderstood, that, after all, in human affairs, a great character weighs more than the greatest intellect.

There was no version which had not several mistakes; and to the prize winner we suggest the following emendations:—*seiner bewusst*, "conscious of his powers"; *trocken*, "dry"; *regelmäßig*, "correct"; *vielfach erschwert*, "made many times more difficult"; *verkannt*, "ignored"; *aber auch* has no contrasting force, say "nor did he understand." For *Nationalgefühl*, "pride of race" is the best equivalent; *froh aufjauchende* is difficult; "that shouts for joy in the day of battle" gives the meaning, but it is lengthy and not in harmony with the closely knit style of the original; "jubilant" was favoured by many, and is a fair rendering. Von Sybel's translation of *virtus* by *Tüch-*

(Continued on page 116.)

TUITION BY POST.

Practical Training in

SHORTHAND,

BOOK-KEEPING AND ACCOUNTANCY,

COMMERCIAL PRACTICE, BANKING,

ADVERTISING, COMMERCIAL LAW.

PITMAN'S POSTAL COURSES are admirably adapted for teachers who are unable to take advantage of the ordinary facilities for receiving oral instruction, but desire to qualify in commercial subjects. Each lesson is a full exposition of that part of the subject covered. One course, or any group, may be commenced at any time, and from any stage of present knowledge.

Write for details, stating the subjects in which you are interested.

Pitman's School
BUSINESS SECRETARIAL & CIVIL SERVICE TRAINING

The Leading Teachers' Training Centres in the Kingdom for Commercial Subjects.

Principal: FREDERICK HEELIS, F.R.S.A.,
169 SOUTHAMPTON ROW, LONDON, W.C.1.
Seven London Branch Schools, and at Bristol.

SPECIALISED POSTAL COACHING

—under a Staff of Honoursmen
and Barristers-at-Law—for all

ACCOUNTANCY AND SECRETARIAL APPOINTMENTS

and Higher Commercial Examinations.

"STUDENTS' GUIDE"
sent on receipt of 2d. stamps.

METROPOLITAN COLLEGE
(Dept. J. E.), - - - ST. ALBANS.

Publications of the National Union of Women's Suffrage Societies,

NOW ON SALE AT

EVELYN HOUSE, 62 OXFORD STREET, W.1.

Women Citizens' Diary (cloth) 1s. 6d.; (leather) ...	2s. 0d.
Women Citizens' Association Handbook ...	6d.
And Shall I have a Parliamentary Vote? ...	3d.
Women and the Peace Conference ...	2d.
National Union and Reconstruction ...	2d.
Maisons Tolérées ...	2d.
The Case for the Woman Solicitor ...	3d.
Qualifications of Women Voters ...	3d.
How Women Use the Vote ...	1d.
Objects and Programme of N.U.W.S.S. ... per 100	3s.
Votes and Responsibilities ...	1s. 9d.
Mothers You Must Vote ...	1s. 6d.
To Women in the Teaching Profession ...	1s. 6d.
" " Engineering Trades ...	1s. 6d.
" " in Business ...	1s. 6d.
10 Reasons for Joining a W.C.A. ...	1s. 6d.
What is a Women Citizens' Association? ...	1s. 9d.

Wolsey Hall, Oxford**50 TUTORS AND DIRECTORS OF STUDY**

All University Graduates with highest honours
selected primarily for their TEACHING ABILITIES

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

TEACHERS' CHRISTIAN UNION.

(Associated with the Y.M.C.A. and Y.W.C.A.)

President: Miss M. H. WOOD, M.A., Litt.D.

Vice-Presidents: Mrs. WOODHOUSE; Rev. W. TEMPLE, M.A.

A CONFERENCE

TO DISCUSS

The Ideals and Problems of Religious Education

WILL BE HELD AT

THE HAYES, SWANWICK, DERBYSHIRE,
During Easter Week, April 22 to 26, 1919.

The following, among others, have promised to speak or to act as Leaders of Discussion:—

Rev. RICHARD BROOK, S.C.F.

Mrs. SOPHIE BRYANT, D.Sc., Litt.D.

Mr. CLUTTON-BROCK.

Prof. ALBERT A. COCK, B.A.

Mrs. ARNOLD GLOVER.

Rev. Professor R. H. KENNETT, D.D.

Mr. ALBERT MANSBRIDGE.

Mr. J. LEWIS PATON.

Miss E. WATERHOUSE.

Mrs. M. L. WHITING.

Preference will be given to members of the Teachers' Christian Union.

Applications for the detailed programme should be made immediately, and all inquiries should be sent, with a stamped and addressed envelope, to the Conference Secretary, Miss W. M. MOWLL, T.C.U. Office, 16 Russell Square, W.C.1.

Telephone: Central 234. Telegrams: "Techristu, Westcent, London."

Official Announcements of the following Associations will be found in this issue on the pages indicated.

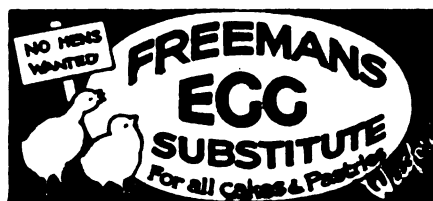
	PAGE		PAGE
THE ANGLO-FRENCH SOCIETY...	111	THE JOINT SCHOLASTIC AGENCY ...	83
THE ASSOCIATED BOARD OF THE ROYAL ACADEMY OF MUSIC AND THE ROYAL ACADEMY OF MUSIC...	79	THE JOINT AGENCY FOR WOMEN TEACHERS ...	77
THE ASSOCIATION OF TEACHERS OF SPEECH TRAINING...	79	THE NATIONAL UNION OF ART MASTERS ...	127
THE ASSOCIATION OF UNIVERSITY WOMEN TEACHERS ...	77	THE NATIONAL UNION OF WOMEN'S SUFFRAGE SOCIETIES	114
THE BERGMAN-ÖSTERBERG UNION OF TRAINED GYM-NASTIC TEACHERS ...	79	THE ROYAL SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS ...	116
THE CENTRAL ASSOCIATION FOR THE MENTALLY DEFECTIVE ...	116	THE SOCIETY FOR THE STUDY OF ORTHOPSYCHICS ...	81
THE COLLEGE OF PRECEPTORS ...	77	THE STUDENT CHRISTIAN MOVEMENT ...	94
THE FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION	78, 79	THE TEACHERS' CHRISTIAN UNION ...	115
THE INTERNATIONAL GUILD ...	79	THE TEACHERS' GUILD OF GREAT BRITAIN AND IRELAND ...	77
THE INTERNATIONAL PHONETIC ASSOCIATION ...	139	THE TEACHERS REGISTRATION COUNCIL...	111, 125

** A complete Official Directory of Educational Associations will appear in the MARCH issue.

Corrected slips for the ANNUAL
Directory of Educational Associations

MUST BE RETURNED BY FEBRUARY 5th, TO

Mr. WILLIAM RICE, 8 LUDGATE BROADWAY, E.C.4.



tigheit, rather than *Tugend*, is rather puzzling. Apparently he takes the Latin word to signify a combination of manliness, virtue, and efficiency. "Worth" favoured by several competitors, seems the best English word. Jingles such as "Pluck brings Luck," "Fortune favours fitness," are surely beneath the dignity of the Latin original. A large number fell into dog-English over *die Lösung seiner grossen Aufgabe*, rendering it by "the solution of his great task." We "solve a problem," but "accomplish a task." By *egoistische Politik* seems to be meant a nationally selfish policy. The passage is a fine piece of writing. It is skilfully built. The author begins with some of the man's great characteristics, passes downwards through his external roughnesses to a genuine defect of character, rises again to his heroic qualities, and finally reaches a noble climax. We do not know where in English literature a character sketch of such concentrated force and compactness can be found, and we should be grateful to anyone who can give us a reference. Four hundred words is the limit.

We classify the 49 versions received as follows:—

Class I.—(a) A.B., Redivivus, Corydon, E.A.N., Fortes fortuna juvat, Fortune le vent. (b) Il Sarto, Toots, Bugle, H.W.C., Somewhen, Borderer, F.H.L., Dane, Johnny, Nibbard, Primpilus.

Class II.—M.A., Rhodon, Sa, J.A., Ardeonaig, Ixia, Sorbier, Camel, Garnet, Switzerland, Bésigue, Scot, Inexperienced, E.W.F., Chingleput, Young Lochinvar, Kathrich, Scorpio.

Class III.—Messina, Amaryllis, Alex, S.D., Fritillary, Ope et Consilio, Gepia, A.R.V., M.A.S., Firenze.

Class IV.—W.W.M., Jeunesse, Cassandra, G.E.M.

A Prize of Two Guineas is offered for the best translation of the following extract from Ernest Renan's letter describing the seminary of Saint-Sulpice, quoted in his "*Souvenirs d'Enfance et de Jeunesse*":—

Je me trouve fort bien ici. Le ton de la maison est excellent, également éloigné de la rusticité, d'un égoïsme grossier et de l'afféterie. On se connaît peu, et le cœur est un peu à froid; mais les conversations sont dignes et élevées; il s'y mêle peu de banalités et de commérages. On chercherait en vain entre les directeurs et les élèves la cordialité; c'est là une plante qui ne croît guère qu'en

Bretagne; mais les directeurs ont un certain esprit large et bon, qui plaît et convient parfaitement à l'état moral des jeunes gens tels qu'il leur arrivent. Leur gouvernement est à peine sensible: c'est la maison qui marche, ce ne sont pas eux qui la conduisent. Le règlement, les usages, et l'esprit de la maison font tout; les hommes sont passifs, ils sont là seulement pour conserver. C'est une machine bien montée depuis deux cents ans; elle marche toute seule; le mécanicien n'a que veiller sur elle, tout au plus, de temps en temps, à tourner un écrou et à huiler les ressorts. Ce n'est pas comme à Saint-Nicholas, par exemple, où on ne laissait jamais la machine aller seule; le mécanicien était toujours là, volant à droite, à gauche, mettant partout le doigt, essoufflé, empressé, parce qu'on ne songeait pas que la machine la mieux montée est celle qui exige le moins d'action de la part du moteur. Le grand avantage que je trouve ici, ce sont les remarquables facilités qu'on a pour le travail, lequel est devenu pour moi un besoin et, que l'on égard à mon état intérieur, un devoir. Le cours de morale est très bien fait; il n'en est pas de même du cours de dogme: le professeur est nouveau, ce qui, joint à l'importance majeure, et personnelle pour moi, des traités de la Religion et de l'Eglise, m'arrangerait fort mal, si je ne trouvais auprès de ces autres messieurs le moyen d'y suppléer.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners will be required to send real names for publication.

All competitions must reach the Office by February 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London. E.C. 4.

THE Montessori Society has arranged a course of lectures for this term. Among forthcoming items we notice Mr. S. H. Leonard's lecture on "An Introduction to Child Anthropology," on February 14 at 5.45 p.m., at University College, Gower Street, W.C.; and that on March 14, at the same time and place, by Staff-Sergt. Claremont, on "The Montessori Philosophy of Life." The study circles in connexion with the society have recommenced, and full particulars can be obtained from the Organizing Secretary, Dr. Jessie White, 11 Tavistock Square, W.C.1.

1919.

COMPETITION OF ESSAYISTS, R.S.P.C.A.

Notice to Principals of London Schools.

All Papers relating to this year's Competition for Prizes given by the Royal Society for the Prevention of Cruelty to Animals for the best Essays on the Duty of Kindness to Animals were posted during November, 1918. The only addresses of Private and other Schools available to the Society are derived from London Directories.

If you have not yet received notice of Competition please apply at once for particulars.

No Essay received after February 28th next.

E. C. FAIRHOLME,
Chief Secretary.

Blackboards cannot become Shiny

in use, if covered with

**Proctor's "Defiance" (Trade Mark)
Slate Composition.**

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

Central Association for the Care of the Mentally Defective
(INCORPORATED).

A SHORT COURSE

FOR

TEACHERS OF MENTALLY DEFECTIVE CHILDREN

Will be held in Manchester from March 29th-April 19th, 1919.

This Course forms Part II and III of the Full Course of three parts, arranged by the Association, and is recognised by the Board of Education and the Board of Control.

The Course will consist of:—

LECTURES, medical, psychological, and pedagogical, on the treatment and training of defective and sub-normal children, and on the organization of special schools.

CLASSES in:—**Physical exercises**, including country dances and singing games. **Manual work, woodwork**, (including the making of simple wooden and tin toys), metal-work, paper work, and cardboard modelling, raffia work, weaving, and rug-making, and the making of simple educational toys.

DAILY VISITS to Special Schools under the Manchester Education Committee.

Arrangements have been made for Students to be accommodated at a Hostel.

FEES.—No Fee will be charged for the Course. Board and Residence at the Hostel, £5 5s. for 3 weeks.

The Board of Education are prepared to pay 3rd class railway fares to selected students attending the Course, and a Maintenance Grant of £1 per week.

FOR CONDITIONS, FULL PARTICULARS, AND APPLICATION FORMS, apply to:—The Hon. Secretary, Miss Evelyn Fox, C.A.M.D., Queen Anne's Chambers, Tothill Street, S.W. 1.

Application Forms must be returned by March 1st, 1919.

Orders for back numbers of

THE SCHOOL WORLD

should be placed with Messrs. Macmillan & Co., Ltd., St. Martin's St., London, W.C. 2.

BOOKS FOR SALE. Good Second-hand Copies.

- 38 Wilmot Buxton's History of Great Britain.
- 52 " " Makers of Europe.
- 54 Layng's Exercises in Arithmetic. Part II.
- 60 West's English Grammar for Beginners.
- 15 " Elements of English Grammar.
- 8 Arnold Forster's New History of England, 1603-1901.
- 10 Hall's Easy Graphs.
- 91 Borchardt's Junior Arithmetic. Part I.
- 24 Gardiner's Students' History of England. Parts I and II.
- 48 Barrère's Intermediate French Course.
- 70 Brachet's Supplementary French Exercises.
- 62 " French Grammar.
- 6 Scott Jones's Latin Course. Part II.
- 18 Watson's Elementary Physics.
- 18 Thornton's Physiography. Section I.
- 30 Longman's Illustrated First Latin Reading Books.

Mr. JOHN DAVIS (Successor to Mr. Thomas Laurie),
13 Paternoster Row, London, E.C.4.

TOO LATE FOR CLASSIFICATION.

FRANCES MARY BUSS MEMORIAL SCHOLARSHIP.

A TRAVELLING SCHOLARSHIP of £100 will be awarded in March, 1919, for the study of educational methods abroad, to a woman fully qualified as a Secondary School Teacher.

Candidates should (1) hold a University Degree or its equivalent, (2) hold a Certificate of efficiency as a Teacher, (3) have experience of five years' teaching in a Secondary School, (4) undertake to carry out a satisfactory scheme of study abroad and report thereon.

Applications, with five copies of not more than three recent testimonials, to be made before March 1st to the SECRETARY, F.M.B. Memorial Scholarship, North London Collegiate School, Sandall Road, N.W.5.

Two further Scholarships will be awarded in March, 1919.

THE ANNUAL

" DIRECTORY OF EDUCATIONAL ASSOCIATIONS "

which has been described as ONE OF THE MOST USEFUL RETURNS PUBLISHED BY ANY BRITISH EDUCATIONAL JOURNAL will appear in the MARCH, 1919, issue of "THE JOURNAL OF EDUCATION AND SCHOOL WORLD"—a paper "indispensable to all school and college reading-rooms in these islands."—*Westminster Gazette*.

This "DIRECTORY" has been corrected to date by responsible officials. It includes (a) number of members; (b) amount of annual subscription; (c) name of "organ"; (d) telegraphic address; (e) telephone number; (f) date and place of next annual meeting; (g) secretary's name and office address.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

Lectures.

LECTURES ON ASTRONOMY.

—Introductory lecture-demonstration—"A Voyage in Space" (suitable for Preparatory Schools, the middle forms of Public Schools and School Scientific Societies). More advanced lecture—"Modern Astronomy," dealing with the methods of modern research. For particulars please address—W. G. W. MITCHELL, F.R.A.S., Grammar School, Newbury.

Desks, &c., for Sale.

"THE DESKS are all sold, so the Advertisement has answered its purpose. Miss — will write again if ever she wishes to dispose of things connected with school work, for inquiries have come from all over England through 'The Journal of Education.'"

Sale or Transfer.

A PRINCIPAL writes:—"I have much pleasure in stating that through the medium of your paper, 'The Journal of Education,' I have succeeded in finding a purchaser for my School. I shall be happy to recommend the medium to others."

School Wanted.

WANTED to Purchase, small High Class GIRLS' SCHOOL, near station and church, in Kent or Surrey, not more than 40 minutes from London.—Miss MARTIN, S. Helena's, Lower Bourne, Farnham.

Posts Wanted.

Prepaid rate: 30 words, 2s.; each 10 words after, 6d. (Use of Office address, 1s. extra.) For latest time for receiving these announcements see front page.
[Replies to advertisements marked * should be sent under cover to Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4, in each case accompanied by sufficient loose stamps to cover postage on to advertiser. Post cards will not be sent on.]

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holbein Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

CANON'S Daughter requires re-engagement as MATRON, HOUSEMISTRESS, or LADY COOK, and to teach Cookery, Housewifery, and Hygiene (first-class diplomas).—1124 N. HOOPER'S, Educational Agents, 13 Regent Street, London, S.W.1. Established 1881. Heads of Schools invited to make known their requirements as soon as possible.

Posts Wanted—continued.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

MATHEMATICS, Latin, Greek. Afternoon or visiting engagement desired, to coach in these subjects (1087 B). Also GEOGRAPHY SPECIALIST (208 D). HOOPER'S, Educational Agents, 13 Regent Street, S.W.1. Established 1881. List of Music, Language, and Art Specialists gratis if requirements stated.

AS SCHOOL TEACHER OF COOKERY, and CATERER. Clergyman's daughter seeks immediate re-engagement, highly certificated. First Class in Cookery, Laundry, and Housewifery. Housewife's and Teacher's Diploma for Needlework. Could also assist with Music and Art.—1017 E, HOOPER'S, 13 Regent Street, S.W.1.

AFTER Easter.—French Doctor's Daughter (24), Diplômée. Music (Vocal and Instrumental); good at sports; Dancing, Cycling, Needlework.—752 F, HOOPER'S, 13 Regent Street, London, S.W.1. Others. Head Mistresses invited to make known early requirements for next term.

AFTER Easter.—Thoroughly capable, trustworthy MATRON (39), Churchwoman, 6 years' excellent reference (engagement obtained through Hooper's). Good sick nurse. Accustomed to first-class Private School routine.—1120 H, HOOPER'S, 13 Regent Street, London, S.W.1. Many others. Selected list gratis if requirements stated.

CAMBRIDGE M.A. (Hons. Hist. 1886), formerly Head Endowed School, recently Bursar, seeks post as SECRETARY, LIBRARIAN, or TUTOR.—15 Barrack Road, Exeter.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),
12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
 Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone
 Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Sussex (Seaside).—Girls' Boarding and Day School. Established over 50 years and conducted by vendor 13 years. Gross receipts past year, £1,454; average gross receipts past three years, £1,200. Number of boarders about 22, paying from 45 guineas; number of day pupils, about 35, paying from 2 to 5 guineas per term. Rent of large detached house near sea, £150. The vendor would be willing to accept one term's fee on each pupil transferred by way of premium for goodwill. School and some household furniture at valuation. We have personally inspected this school, and believe it to be a very good opening, and to be had on favourable terms.—No. 6,012.

Lancashire (Seaside).—High-class Boarding and Day School for Girls and small Boys. Established 30 years and conducted by vendor 10 years. 17 boarders and 34 day pupils, paying about £500 per term. Net profits, £526. Rent of large house, £130. Price for goodwill by arrangement. School furniture, about £350; household furniture at valuation. The vendor states that she paid £650 for goodwill ten years ago on accounts examined by a well known chartered accountant; then there were only 27 pupils paying about £340 per term. There is also a Hostel for Ladies next door, which is also for sale.—No. 6,010.

Dorset.—Transfer or Partnership. Girls' Boarding

and Day School. Established and conducted by vendor 25 years. Gross receipts past year about £1,608. Net profits past year about £500 to £600. Number of boarders about 30. Prospectus terms 40 to 60 guineas per annum. Number of day pupils about 40. Prospectus terms 9 to 12 guineas a year. Rent of large detached house standing in its own grounds of about 3 acres and containing about 30 rooms, only £110. Large vegetable and fruit gardens. Three delightful shady tennis lawns. There is also a small house used as class room at a rental of £18 per annum. Terms of sale or partnership to be arranged. Owing to the increase of numbers, the vendor wishes to meet with a lady who would help her in the general management of school.—No. 5,085.

Kent (Seaside).—Boarding and Day School for Girls. Established over 50 years. Gross receipts past year £625. 10s. 3d. Number of boarders 6, paying £30 to £45 per annum each; 65 day pupils, paying from £1. 9s. to £3. 15s. per term, without extras. Extras £70 to £80 per term. Rent of detached house, held on 21 years' lease, £78. Price for goodwill £225, or the vendor would accept one term's fees on all pupils transferred. School and household furniture at valuation. The vendor states that, during the last three terms, numbers have increased rapidly, and that the gross receipts for the first two terms of this year were £462. 17s. 6d.—No. 6,003.

BOYS' SCHOOLS.

London, S.W.—High-class Preparatory School for Boys. Established about 50 years, and conducted by vendor with his late partner about 6 years. The vendor wishes to sell on account of his partner having just recently died. We understand there are 7 boarders at about £100 per annum, and 26 day pupils at about 10 guineas per term. Some are day boarders and pay more. Vendor states that in 1912 there were only 13 pupils. Gross receipts for 1917 about £1,800, and for 1918, £1,500; the reason for the slight drop in numbers last year was owing to the raids. Rent of very good premises, £130. Vendor states a great deal of money has been spent to make the accommodation, &c., all that could be desired. Price for goodwill, and excellent school furniture, about £2,000, or close offer.—No. 6,996.

London, S.W.—Boarding and Day School for Boys. Established many years and conducted by vendor 7 years. Gross receipts past year, £1,500. Net profits past year, £625. Number of boarders 13, paying £54 to £63 per annum; and 67 day pupils, paying £3. 3s. to £5. 5s. per term. Rent of large house, containing over 13 rooms and usual offices, £95. Price for goodwill and school furniture, £1,500. The vendor states that he wishes to dispose of his school owing to the ill-health of his wife. Part of purchase money may remain.—No. 6,995.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 117.

ART MISTRESS, well qualified, requires post, School or Training College. Drawing, Painting, Brushwork, Blackboard Drawing, Needlework, Handicrafts. Address—"Art," 14 Albert Street, Shrewsbury.

MUSIC MISTRESS, A.R.C.M., desires post in or near London. 10 years' experience; excellent testimonials. Successes in all Associated Board examinations and A.R.C.M. examinations. Pianoforte, Harmony, Class Singing, and Aural Training. Address—No. 10,721.*

ART MASTER, A.R.C.A. London, A.R.C.A. Design, desires re-engagement. Art, Secondary, or Grammar School. Non-resident. Fully qualified. Long experience as Art Teacher. Good testimonials and qualifications on application. Address—No. 10,722.*

LADY requires VISITING or full-time work to teach Shorthand and other commercial subjects. If Visiting, in or near London. Good experience both in secretarial work and teaching. Address—No. 10,724.*

MUSIC STUDENT required (over 16). Training for Examinations, board residence, pocket money. To help specially with preparatory Music, Latin, Algebra, Geometry.—LADY PRINCIPAL, Lawn Preparatory School, St. Austell, Cornwall.

Posts Wanted—continued.

FRENCH young lady, 20 years old, Certificat supérieur, wants to go in a School or a Family as French Teacher and Sewing Teacher if wanted (au pair). Address—Mlle MARGUERITE LOVY, 323 Rue de Lannay, Roubaix (Nord), France.

LADY HOUSEKEEPER, experienced and successful, seeks post as HOUSEKEEPER or HOUSEMISTRESS. Catering, correspondence, accounts. 9 years present post. £80. Address—No. 10,725.*

Posts Vacant.

Prepaid rate: 30 words. 2s.; each 10 words, after, 6d. (Use of Office address, 1s. extra.) For latest time for receiving these announcements see front page.

Replies to advertisements marked * should be sent under cover to Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4, in each case accompanied by sufficient loose stamps to cover postage on to advertiser. Post cards will not be sent on.]

KINGSWOOD SCHOOL, BATH.—A HEAD MASTER is required for the above School, to enter upon his duties as soon as possible. Applicants must be members of the Wesleyan Methodist Church. Graduates in Honours of a British University, and married. Kingswood is a School for 250 sons of Wesleyan Ministers, and the Head Master will occupy the School-house. Applications should be sent, with twelve copies of testimonials, to the Rev. MARSHALL HARTLEY, 24 Bishopsgate, London, E.C.2, not later than Feb. 15, 1919.

Posts Vacant—continued.

CITY OF NOTTINGHAM
 EDUCATION COMMITTEE.

HIGH PAVEMENT SECONDARY SCHOOL (MIXED).

Wanted immediately for the above-named School a FORM MISTRESS.

Applicants should be Graduates of some British University, and be specially qualified to teach Latin and English. They must also have had experience in a Secondary School.

Salary £160 to £200 per annum, according to qualifications and experience.

A form of application—which must be returned not later than February 10, 1919—may be obtained from the Education Office, South Parade, Nottingham, on receipt of stamped addressed envelope or wrapper.

W. J. ABEL, Clerk.
 Nottingham, 3rd January, 1919.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1

SOUTH AFRICA.—Required, MATHEMATICS MISTRESS. Degree, training. Age 25 to 35. Churchwoman, communicant. £140 resident. Girls' High School. Passage. ART TEACHER. Churchwoman; fully qualified. Salary £120 resident. Passage. KINDERGARTEN. £110 resident. Passage. UPPER SCHOOL MISTRESS. Latin; some Mathematics. Salary £110 resident. Apply—EDUCATION SECRETARY, 9A Army and Navy Mansions, Victoria Street, S.W.1.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Posts Vacant—continued.**LONDON COUNTY COUNCIL.**

APPPLICATIONS are invited from candidates for the under-mentioned positions: COUNTY SECONDARY SCHOOL, BROCKLEY.

(1) A first-class SPECIALIST IN PHYSICS to take Open Scholarship standards of work and to organize the Physics for a school taking a Board of Education advanced course in that subject.

(2) A highly-qualified MATHEMATICAL SPECIALIST to prepare for University Open Scholarships and to organize the Mathematical work in a school which is developing an advanced course on the Science and Mathematical side.

(3) A MASTER for good general Form work, with special need of good French for middle school forms. For either of these positions willingness to help in Cadet Corps or in Games would be a recommendation.

COUNTY SECONDARY SCHOOL, FULHAM.

(4) An ART MISTRESS. Good Secondary School experience with large classes essential.

COUNTY SECONDARY SCHOOL, PLUMSTEAD.

(5) MISTRESS to teach Chemistry and Physics.

The salary attaching to position (1) is £400, rising by yearly increments of £10 to £450. (2) and (3) will be £150 to £240 a year, according to experience, rising to £300 by yearly increments of £15, and thence by £10 to £400.

The commencing salary in the case of (4) will be £120 to £140, and in the case of (5) £120 to £180, according to experience, rising in both cases to £270 by yearly increments of £10.

In addition to these salaries a temporary War bonus of from £39 to £59, according to salary and scale chosen, is payable.

Forms of application may be obtained from EDUCATION OFFICER (H.4), Education Offices, Victoria Embankment, W.C.2 (stamped addressed foolscap envelope necessary). Forms must be returned by 11 a.m. on 21st February, 1919, addressed in the case of (1), (2), and (3) to HEAD MASTER, County Secondary School, Brockley, Hilly Fields, Brockley, S.E.14; in the case of (4) to HEAD MISTRESS, County Secondary School, Fulham, Munster Road, Fulham, S.W.6; and in the case of (5) to HEAD MISTRESS, County Secondary School, Plumstead, Old Mill Road, Plumstead, S.E.18.

Canvassing disqualifies.

JAMES BIRD,
Clerk of the London County Council.

LONDON COUNTY COUNCIL.

THE London County Council invites applications for the position of HEAD MISTRESS of the County Secondary School, Clapham. The school is a Secondary School for Girls between the ages of ten and nineteen. The building is a modern one specially erected for the purpose of a school. The number of girls is about 540. The salary will be £400 a year, rising to £600 by annual increments of £20, subject to the provisions of the Council's scale of salaries, together with a temporary war bonus of £39 a year.

Apply to EDUCATION OFFICER (H.4), Education Offices, Victoria Embankment, W.C.2 (stamped addressed foolscap envelope necessary). Form giving particulars will then be sent. Form must be returned by 11 a.m., on Monday, 24th February, 1919, accompanied by copies of three testimonials of recent date. Canvassing disqualifies.

JAMES BIRD,
Clerk of the London County Council.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen. MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work. — M. GLENISTER, 3 Friern Park, N. Finchley, N. 12.

CAMBRIDGESHIRE EDUCATION COMMITTEE.

CAMBRIDGE AND COUNTY SCHOOL FOR GIRLS, CAMBRIDGE.

Wanted, immediately, FORM MISTRESS for general subjects. Good degree and experience essential. Minimum salary £150. Forms of application, which should be returned immediately, may be obtained of the EDUCATION SECRETARY, County Hall, Cambridge.

January 22nd, 1919.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Established 1833).

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at

34 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

**TO ASSISTANT MISTRESSES.
NEXT TERM VACANCIES.**

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

Assistant Mistress for English subjects, Modern Geography, and some Latin. First-class School. Salary £100 resident. (Sussex—seaside.)—No. 193.

S. Africa.—Senior English Mistress for general English subjects and Latin up to Matric. standard. Salary about £100 resident and second-class passage. London references.—No. 190.

Assistant Mistress for Mathematics up to Cam. Senior standard and help with other subjects. Boys' School. Salary £140 non-resident. (East Coast.)—No. 185.

Music Mistress for good Piano. Able to prepare for Asso. Board Exams. Salary about £80 resident. (Kent.)—No. 180.

Assistant Mistress for general Form subjects and Drill. Salary £130 non-resident.—No. 179.

Assistant Mistress for Mathematics to Senior Oxford, and some English, History, and Scripture. Salary £80 to £90 resident. (Wales.)—No. 178.

Assistant Mistress for English, Geography, elementary Science, and Mathematics. Roman Catholic desired. Salary about £130 non-resident.—No. 172.

Music Mistress for Piano, Class Singing, Theory, and Harmony. Salary £70 resident. (Norfolk.)—No. 174.

Form Mistress for general subjects. Graduate looked for. County School. Commencing salary, £150 non-resident.—No. 166.

Senior Mistress for all English subjects and French for Senior Cambridge Examinations. Salary about £80, resident. (Lancs.)—No. 163.

Assistant Mistress for Latin and French chiefly. Graduate looked for. Mixed Day School. Salary £150-£170, non-resident. (Wales.)—No. 157.

English Mistress for good English, History, Composition, and Literature. Salary about £70 resident. (Norfolk.)—No. 154.

Fourth Form Mistress to take charge of the form and most of the English subjects. High-class School. Salary £75 resident. (Kent.)—No. 144.

Science Mistress, preferably with Botany as chief subject. Important Endowed School. Fair salary, resident or non-resident. (Devon.)—No. 143.

Assistant Mistress for general English, and if possible some Elementary Latin and Mathematics. Salary £80 to £100 resident, or about £150 non-resident. First-class School near London.—No. 120.

A large number of other resident and non-resident vacancies in Public and Private Schools for English and Foreign, Senior and Junior Assistant Mistresses.

Numerous posts for Junior Mistresses asking salaries from £35 to £50 resident.

70 Student-Governesses also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student-Governesses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 118 for brief particulars of some of the Schools Messrs. Griffiths, Powell & Smith now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent gratis to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

Posts Vacant—continued.**THE MINSTER GRAMMAR SCHOOL, SOUTHWELL, NOTTS.**

The Governors invite applications for post of HEAD MASTER, vacant at Easter. Applicants must be Graduates of a University in the United Kingdom. The School is a Secondary School under the Board of Education; numbers now 72. Salary will commence at £350, with a yearly increment of £25; previous service as Head Master allowed for. The Head Master has use of School house, rent, rates, and taxes free, with an allowance for coal, gas, water, and service, and with all profits on boarders, who now number 31.

Applications, with 12 copies of 3 recent testimonials and 2 references, must be sent on or before February 11th next to—

A. T. METCALFE,
Clerk to the Governors.
Southwell, Notts.

LINCOLN GIRLS' HIGH SCHOOL.—Wanted, for September, two SCIENCE MISTRESSES: one to offer Chemistry specially, the other Biology. Initial salary for trained Graduate, £160, rising by £10 a year.—Application to the HEAD MISTRESS.**BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, DARTFORD HEATH, KENT.**

A LECTURER IN PHYSIOLOGY AND HYGIENE will be required in October 1919. Salary £130 to £150 resident, according to qualifications. Applications to be sent to the HON. SECRETARY before February 15th.

ROCHESTER CATHEDRAL.—

Two MINOR CANONRIES are vacant. Stipend, £200 and a house in each case; rates, taxes, and external repairs free. Also the MASTERSHIP of the Choir School, which will be held with one of the above, at a further stipend of £100. A part-time Mastership at the King's School may possibly be held with the other by a suitable candidate. Forms of application may be obtained from the Acting Chapter Clerk, Mr. F. H. DAY, The Precinct, Rochester, to whom they should be sent, completed, with copies of not more than three recent testimonials, by February 8. Applicants are requested not to write to the individual members of the Chapter.

PONTEFRAC T AND DISTRICT

GIRLS' HIGH SCHOOL.—Wanted, as soon as possible, two additional MISTRESSES for JUNIOR FORMS. Subjects required: Junior Mathematics and Science and general English subjects. Salary according to qualifications. Apply to H. HOLMES, Esq., Secretary to the Governors, Ropergate End, Pontefract.

SOUTH AFRICA.—Several open-

ings in Boys' High Schools for ex-Service men. Graduates, trained. Apply—EDUCATION SECRETARY, 9A Army and Navy Mansions, Victoria Street, S.W.1.

Posts Vacant—continued.**SELBY GIRLS' HIGH SCHOOL.****APPOINTMENT OF HEAD MISTRESS.**

The Governors of the above School intend to proceed to the appointment of a Head Mistress to begin work in May next.

Candidates must hold a Degree (preferably in Honours) from a University in the United Kingdom or British Possessions. Previous Secondary-school experience is essential, and the possession of a Teaching Diploma will be an advantage.

Salary, £360 per annum, rising by annual increments of £20 to £400.

Applications, accompanied by not more than three recent testimonials, should be made not later than the 11th February, 1919, upon a form of application which may be obtained from the undersigned.

Canvassing will be a disqualification.

J. H. BANTOFT,
Clerk to the Governors.
9 Abbey Place, Selby.

ISLE OF ELY EDUCATION

COMMITTEE—THE HIGH SCHOOL FOR GIRLS, MARCH.—Wanted, next Term or at once, a Graduate with training or experience, to teach Mathematics. Subsidiary subjects: English and Games. Initial salary, £150. Scale under revision.

COLCHESTER COUNTY HIGH

School.—Wanted, in May, SCIENCE MISTRESS to teach Physics, Mathematics, and some Elementary Chemistry. Salary according to qualifications and experience. Apply to the HEAD MISTRESS.

EDGEHILL GIRLS' COLLEGE,

BIDEFORD, NORTH DEVON.—Required, at once, a SCIENCE MISTRESS to teach Chemistry and Botany. Apply, with full particulars, to HEAD MISTRESS.

THE COUNCIL OF THE

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION are about to appoint a SECRETARY, who will be required to take up her duties by the end of April if possible, or, in any case, not later than September next. Experience of educational work desirable, also some knowledge of office and library organization. Initial salary, £150. For further particulars apply to the SECRETARY, 4 Bloomsbury Square, W.C.1.

GIRLS' GRAMMAR SCHOOL,

WATFORD.—Wanted, after Easter: (1) SPECIALIST MISTRESS for English; able to organize English teaching and undertake Advanced Course work. Honours degree essential. Salary scale, £180 to £250; initial salary according to experience, training, and other qualifications. (2) SPECIALIST MISTRESS for Geography; responsible for subject in School, and able to teach it on modern lines. Subsidiary subject desirable. Salary scale £150 to £250; initial according to qualifications. Apply—HEAD MISTRESS.

Posts Vacant—continued.**AUSTRALIA****Teachers' Central Registry:**

Twyford House, 17 Castlereagh Street,
SYDNEY.

(Under the direction of a Committee appointed by the Teachers' Guild of N.S. Wales).

MEN and Women Teachers, especially resident ASSISTANT SCHOOL MASTERS and SCHOOL MISTRESSES, who would like to secure posts in Australasia, should write to the above address, stating qualifications and experience, and enclosing copies of testimonials with a view to obtaining posts when passage to AUSTRALIA is permitted.

Particulars on application to—
Miss GARRAN, Registrar.

PUDSEY SECONDARY SCHOOL.

Wanted, an ASSISTANT MASTER (Graduate with Honours preferred) to teach Mathematics. Salary £180 to £250, according to new salary scale. Allowance made for previous service.

Application forms may be obtained from the undersigned, and should be returned by February 8th, 1919.

WM. B. BURNELL,
Clerk to Governors,
Secondary School, Pudsey.

COUNTY BOROUGH OF ROTHERHAM EDUCATION COMMITTEE.**MUNICIPAL HIGH SCHOOL FOR GIRLS.**

The Committee invite applications for:—

- (1) KINDERGARTEN AND JUNIOR FORM MISTRESS, to commence duties at once.
- (2) KINDERGARTEN AND JUNIOR FORM MISTRESS, to commence duties after the Easter Vacation.

Higher Froebel Certificate essential. Experience in a Secondary School will be considered a recommendation.

Scale, £110 to £200. The actual commencing salary will depend upon qualifications and experience.

Forms of application, which must be returned not later than the 7th February, may be obtained from the undersigned.

JAS. A. MAIR,
Secretary for Education.
Education Offices, Rotherham.

BIRKENHEAD HIGH SCHOOL (G.P.D.S.T.)

Wanted, in May, well qualified non-resident JUNIOR FORM MISTRESS to teach Nature Study, History, Drawing, and English in the Junior School. Games and knowledge of Girl Guide work a special recommendation. Salary from £120, according to qualifications and experience. Apply—The HEAD MISTRESS.

The following Advertisements will be found in this month's Supplement, pp. 125-140.

CAMBRIDGE UNIVERSITY PRESS.

MR. JOHN DAVIS.

EDUCATIONAL SUPPLY ASSOCIATION.

MESSRS. GIEVES, LIMITED.

MESSRS. GINN & COMPANY.

MR. JOHN HOGG.

INTERNATIONAL PHONETIC ASSOCIATION.

MESSRS. MADDOCK & SON.

NATIONAL SOCIETY OF ART MASTERS.

NORMAL CORRESPONDENCE COLLEGE.

THE ROYAL NAVAL COLLEGE, OSBORNE.

MR. HERBERT RUSSELL.

MESSRS. SPENCER, HEATH & GEORGE, LTD.

PROFESSOR VICTOR SPIERS.

TEACHERS REGISTRATION COUNCIL.

UNIVERSITY TUTORIAL PRESS, LTD.

WATFORD MANUFACTURING COMPANY.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years. The following are some of the Vacancies for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates for the present Term and for Easter, 1919:—

General Form Mistresses.

- SENIOR ENGLISH MISTRESS** required for large School in South Africa, to teach English and Latin. Salary offered, up to £110 res., with three years' agreement and passage paid, a proportion to be refunded if the Mistress appointed leaves before the expiration of three years.—No. 12,593.
- ASSISTANT MISTRESS**, after Easter, to teach English subjects, with Mathematics, if possible, in Private School for Girls, within easy distance of London. Salary up to £100 res.—No. 12,612.
- SENIOR MISTRESS** required, after Easter, in important Girls' School, within easy distance of London, to teach English, History, and Geography. Salary up to £100 res.—No. 12,614.
- ASSISTANT MISTRESS**, after Easter, to teach English subjects, with good Music or Drawing, in Private School for Girls on the South Coast. Post resident one and good salary, according to qualifications and experience.—No. 12,613.
- HEAD ENGLISH MISTRESS**, in small Girls' Private School, within easy distance of London. Salary offered, about £60 res.—No. 12,616.
- ENGLISH MISTRESS**, after Easter, to take Latin as subsidiary subject, in large Girls' School in the North of England. Salary up to £110 res.—No. 12,617.
- SENIOR MISTRESS**, in important Girls' School on the South Coast, with good experience. Salary up to £100 res.—No. 12,615.
- SENIOR MISTRESS**, with good qualifications to offer, if possible, some Mathematics, in important Girls' School within easy distance of London, with a possible view to Partnership. Salary about £120 res.—No. 11,998.

Mathematical and Science Mistresses.

- MATHEMATICAL MISTRESS** required in important Boarding and Day School in the North of England. Post res. one, and salary offered up to about £100, according to qualifications.—No. 11,983.
- MISTRESS**, to teach Geography, and, if possible, either German or Italian, in important Private School within easy distance of London. Salary offered, about £100 res.—No. 10,857.
- SENIOR MATHEMATICAL MISTRESS** for important Girls' School in the North of England. Candidates must be communicant members of the Church of England. Salary from £100 res. upwards.—No. 12,623.
- ASSISTANT MISTRESS**, to teach Junior Mathematics in large Girls' School on the South Coast. Salary from £70 res. upwards.—No. 12,622.
- ASSISTANT MISTRESS**, during the course of the present term, to teach Geography in very important Girls' Private School in the South of England. Salary £90 res.—No. 12,378.
- ASSISTANT MISTRESS**, to teach Junior Mathematics, Modern Geography, or Elementary Science, in large Girls' Secondary School, in the North of England. The post res. one and good salary, according to qualifications and experience.—No. 12,272.

Boys' Preparatory School Mistresses.

- ASSISTANT MISTRESS** in Boys' Preparatory School, within easy distance of London, to teach general Junior Form subjects. Salary about £70 res.—No. 11,616.
- ASSISTANT MISTRESS**, during the course of the present term, to teach good French, with general English subjects, in Boys' Preparatory School on the South Coast. Salary up to £80 res.—No. 12,513.
- TEMPORARY MISTRESS** in Boys' Preparatory School in the North of England, to teach Mathematics. Salary £25 for the term, res.—No. 12,482.
- ASSISTANT MISTRESS**, to teach Mathematics, English, and elementary French in Boys' Preparatory School in Scotland. Salary £90 res.—No. 12,208.
- ASSISTANT MISTRESS**, to teach Music and Drawing, in important Preparatory School in South-west of England. Salary from £75 upwards.—No. 12,604.
- ASSISTANT MISTRESS**, to teach Music and Drawing, with French conversationally if possible, in small Preparatory School on South-east Coast. Salary about £60 res.—No. 12,595.

Classical Mistresses.

- ASSISTANT MISTRESS** required, to teach good Latin, with, if possible, French, in important Girls' Private School in West of England. Salary about £70 res.—No. 11,613.
- ASSISTANT MISTRESS**, to teach Latin, with History if possible, in Girls' Private School in North of England. Salary from £80 res. upwards.—No. 12,007.

Lower Form and Kindergarten Mistresses.

- ASSISTANT MISTRESS** required, after Easter holidays, with good qualifications in History, Botany, or Physical Geography, in large Girls' School on the South Coast. Salary up to £50 res.—No. 12,619.
- JUNIOR MISTRESS**, in small Girls' Private School on the South Coast. Salary from £50. Mistress required to join after Easter holidays.—No. 12,618.
- JUNIOR MISTRESS**, to teach Junior Form subjects in Girls' Private School in the South-east of England, required after Easter holidays, Salary from £70 res. upwards.—No. 12,621.
- KINDERGARTEN MISTRESS** in high-class Girls' Private School in North of England, during the present term or at Easter. Salary about £50, in addition to board and residence.—No. 12,185.
- JUNIOR ASSISTANT MISTRESS**, during course of term or at Easter, to teach general English subjects, with good Arithmetic, in Girls' Private School within easy distance of London. Salary about £50 res.—No. 12,503.
- MISTRESS**, during present term, to teach English up to Form III standard in Girls' Private School in North of England. Salary about £100 res.—No. 12,438.
- ASSISTANT MISTRESS**, to teach Junior Form subjects up to about standard of Form I in Girls' Preparatory School in the North of England. Salary £60 res.—No. 12,160.

Modern Language and Foreign Mistresses.

- FRENCH NATIVE MISTRESS** required, after Easter holidays, in Girls' Private School in Dublin. Salary about £70 res. upwards.—No. 12,608.
- FRENCH NATIVE MISTRESS** in small Girls' Preparatory School in North of England. Salary about £40 res.—No. 12,607.
- FRENCH NATIVE MISTRESS** in Girls' Private School on the South-east Coast. Salary about £50 res.—No. 11,547.
- FRENCH NATIVE MISTRESS** in important Girls' Private School in South-west of England. Salary about £80 res. upwards.—No. 12,336.
- MISTRESS** to teach French in Girls' High School within easy distance of London. Salary up to £120 res.—No. 12,192.
- ASSISTANT MISTRESS**, to teach French in important Boys' Grammar School in North of England. Salary £170 non-res.—No. 12,432.

Domestic Science and Gymnastic Mistresses.

- 3 DOMESTIC SCIENCE MISTRESSES** required in large Girls' School in Egypt. Posts are res., and good salaries offered according to qualifications.—No. 12,266.
- DOMESTIC SCIENCE MISTRESS**, in important Girls' School in the North of England. Salary up to £85 res.—No. 11,497.
- GAMES MISTRESS**, during course of term, in Girls' Private School in the Midlands. Salary about £70 res.—No. 12,251.
- PHYSICAL CULTURE MISTRESS**, in Girls' Private School on the South Coast. Post res. and good salary.—No. 12,468.

Music and Art Mistresses.

- MUSIC MISTRESS** required in Boys' Preparatory School within easy distance of London. Good salary offered, according to qualifications and experience. Post res.—No. 12,620.
- MUSIC MISTRESS**, in important Girls' School in the South-west of England, to teach good Piano and Class Singing.—No. 12,611.
- SENIOR MUSIC MISTRESS**, in important Girls' School in the North of England. Post res., and salary offered according to qualifications and experience.—No. 12,610.
- GOOD MUSIC MISTRESS**, after Easter holidays, to teach Piano and Class Singing in important Boys' Preparatory School on the South Coast. Post res. and good salary offered, according to qualifications and experience.—No. 12,478.
- MUSIC MISTRESS**, to teach Class Singing throughout the School, with Elementary Theory of Music, in important Girls' School in North of England. Salary offered up to about £150 non-res.—No. 12,609.
- MUSIC MISTRESS**, in course of term, to teach Piano and good Class Singing in Dual School in North-east of England. Salary £70 res.—No. 12,511.

Messrs GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (1st floor), S.W. 1.

WANTED, Summer Term, in high-class Girls' School in West of England:—(1) MISTRESS to teach Mathematics and Science. (2) ASSISTANT MISTRESS to teach English subjects, Geography, Mathematics, and elementary Botany if possible. Address—No. 10,723.*

CRAIGMOUNT GIRLS' SCHOOL, EDINBURGH.—Wanted, in May, Resident MISTRESS to teach Geography, Botany, and junior English.—Apply to the HEAD MISTRESS.

CREDITON HIGH SCHOOL.—Wanted, May 1st:—(1) Two MISTRESSES with Froebel training: one to take charge of small Kindergarten, the other qualified for Junior Form work. One should have special qualifications in Needlework. One post will be resident. Salary scale, non-resident, £110, or £120, plus £10, &c., minimum, according to qualifications and experience. (2) A MISTRESS to take charge of a small Boarding House. Experience in Housekeeping and care of girls essential. Salary according to qualifications. Apply immediately to the HEAD MISTRESS.

CAMBRIDGESHIRE EDUCATION COMMITTEE.

CAMBRIDGE AND COUNTY SCHOOL FOR GIRLS, CAMBRIDGE.

Wanted, immediately, SCIENCE MISTRESS, with degree in Botany and Zoology. Salary according to qualifications and experience. Minimum, £150. Forms of application, which should be returned immediately, may be obtained of the EDUCATION SECRETARY, County Hall, Cambridge. 25th January, 1919.

PONTEFRAC T AND DISTRICT GIRLS' HIGH SCHOOL.—Wanted, as soon as possible, an additional MISTRESS to take Junior Form work. Junior Mathematics and Science essential. Salary according to qualifications. Apply to the Secretary of the Governors, H. HOLMES, Esq., Ropergate End, Pontefract.

Posts Vacant—continued.**UNIVERSITY OF BRISTOL.**

THE University will shortly proceed to the appointment of EXAMINERS for its School Certificate Examinations, in July and September, in the following subjects, some of which may be coupled:—

English.	Ancient History.
English Literature.	Modern History.
Geography.	Religious Knowledge.
French.	Latin.
German.	Spanish.
Greek.	Mechanics.
Botany.	Physics.
Chemistry.	Mathematics.
Drawing.	Housecraft.
Handiwork (Wood and Metal).	Music.

Particulars from the Registrar.
January, 1919.

BRITISH GUIANA.—ENGLISH MISTRESS required. Able to teach good Mathematics, Elementary French, and Physical Drill desirable, but non-essential. Three years' engagement. HOOPER'S, Educational Agents, 13 Regent Street, London, S.W.1. Many vacancies. No charge till suited. Established 1881. Stamp.

CHANNING HOUSE, HIGH-GATE, LONDON, N.6.—BOARDING AND DAY SCHOOL FOR GIRLS.—Wanted, after Easter term, a MATRON-HOUSEKEEPER, to take charge of domestic arrangements, supervise servants, laundry, sanatorium (nurse kept). Forty boarders. Unitarian preferred. Age about thirty-five. Salary £80, with board-residence. Apply, stating experience and training, with copies of recent testimonials, to Miss TALBOT, at the School.

REQUIRED, next Term, good MUSIC MISTRESS. Principal subject, Class Singing on modern lines. Violin an advantage. Churchwoman. Apply—HEAD MISTRESS, Clergy Daughters' School, Casterton, Kirkby Lonsdale.

STAFFORD GIRLS' HIGH SCHOOL.—Wanted, ASSISTANT MISTRESS. Good English; elementary Mathematics. State any other subsidiary subjects. Salary according to experience and qualifications, but beginning at not less than £150, with £10 War bonus this year. Annual increments under the ordinary scale £10, rising to maximum £300. Apply—HEAD MISTRESS.

Posts Vacant—continued.

CORK HIGH SCHOOL.—A fully-qualified KINDERGARTEN MISTRESS required. Protestant. Salary £130 non-resident. Apply—HEAD MISTRESS.

ILFORD COUNTY HIGH SCHOOL FOR BOYS.

Wanted a MODERN LANGUAGE MASTER, principal duty to teach Spanish. Initial salary £150-£200, according to qualifications and experience. Increments and maximum salary according to Essex County Council Secondary School Scale. Applications (on forms to be obtained from the ACTING CLERK TO THE GOVERNORS, on receipt of a stamped addressed foolscap envelope), should be made immediately.

STAFFORDSHIRE EDUCATION COMMITTEE.

ASSISTANT INSTRUCTRESS IN DOMESTIC SUBJECTS (Higher Education) required. Full training in all branches essential. Commencing salary, £150 per annum. Particulars and forms of application (to be returned by February 28th) from C. F. MOTT, Acting Director of Higher Education. County Education Offices, Stafford. January, 1919.

WANTED, for Enniskillen Royal School for Girls, a MATHEMATICAL MISTRESS. Salary, £90 resident.

WANTED, a young lady who will look after a little girl of six years, take her walks, and teach her. Good reference required. Post residential. Address—No. 10,728.*

TOO LATE FOR CLASSIFICATION.**FOR SALE IN NORFOLK.**

LADIES' SCHOOL. Established over forty years. 100 pupils. With a grand residence standing in four acres of the most picturesque grounds. Price £3,500.—COOKE, Exor., South Nutfield, Surrey.

FOR IMMEDIATE SALE.—16 Folding Giron Tables and 2 large Blackboards. All in excellent condition. What Offers? Address—No. 10,727.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

NOTICE OF INCREASED PRICE.

The Journal of Education and School World

BOUND VOLUME FOR 1918

IS NOW READY.

THE PRICE OF THIS VOLUME IS **12/-.**

SEPARATE BINDING CASES, **4/-.**

A few copies of previous volumes can still be obtained, price 10/6 each. Separate Binding Cases, 2/6.

A list of those in print will be furnished on application to the Publisher.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

ASSISTANT MISTRESSES ASSISTANT MASTERS LADY MATRONS and HOUSEKEEPERS

seeking appointments in Public or Private Schools are invited to communicate with Truman and Knightley, Ltd., whose close and intimate relations with the leading schools place them in a unique position to find candidates suitable for openings in all branches of the teaching profession.

A special feature of this agency is the personal attention it gives in endeavouring to secure appointments suited to the applicant in every way.

The number of vacancies is now too large to permit of a satisfactory selection being inserted, and applicants are therefore invited to state their requirements fully, assured that they will, if desired, be treated in strictest confidence.

There is no registration fee and the commission charged to those for whom an appointment is secured is very moderate.

LADIES AND GENTLEMEN SEEKING PARTNERSHIPS IN OR TO TAKE OVER SCHOOLS OF THEIR OWN SHOULD COMMUNICATE PERSONALLY WITH MR. TRUMAN, WHO UNDERTAKES ALL NEGOTIATIONS CONNECTED WITH THE TRANSFER OF SCHOOLS, AND IS IN A POSITION TO OFFER ASSISTANCE AND SOUND ADVICE TO PURCHASERS, TO WHOM NO CHARGE IS MADE.

INTERVIEWS WILL BE ARRANGED BY APPOINTMENT.

TRUMAN & KNIGHTLEY Ltd

Scholastic Agents

Managing Directors: S. A. TRUMAN and JAMES HEARD, B.A. (*Westminster and Trinity College, Cambridge*)

Offices :

SHEFFIELD HOUSE, 158-162 OXFORD STREET

Telegrams :
"TUTORESS, PHONE, LONDON." **LONDON, W.1.**

Telephone :
MUSEUM 1136.

BLACKIE'S LIST of MODERN LANGUAGE AUTHORS

BLACKIE'S FRENCH CLASSICS. 6d. each.

The following Authors will be found in this Series:

ABOUT	CLADEL	GUIZOT	MIGNET	ROUSSEAU
AIMARD	CHATRIAN	VICTOR HUGO	MORAX	SÉGUR
BALZAC	CHENIER	LAMARTINE	MOLIERE	STAHL
BERANGER	CORNEILLE	LABOULAYE	MONTAIGNE	DE SÉVIGNÉ
BOSSUET	DAUDET	LEGOUVÉ	MUSSET	SOUVESTRE
BOILEAU	DUMAS	LA FONTAINE	NERVAL	STENDHAL
BOURGET	ERCKMANN	LESAGE	ORATORS OF	TOPFFER
BRUEYS	FLORIAN	LA BRUYÈRE	THE REVOLUTION	THIERRY
BUFFON	GAUTIER	MASSON	PASCAL	THIERS
CARNOY	GEORGE SAND	DE MAISTRE	DE PRESSENSÉ	YAUVENARGUES
CHATEAUBRIAND	GALLAND	MÉRIMÉE	RABELAIS	VIGNY
CHANSONS DE GESTE	GÉRARD	MÉRY	RACINE	VOLTAIRE
		NICHELET		

BLACKIE'S FRENCH PLAYS. 10d. net each.

The following Dramatists can be read in this Series:

AUGIER & SANDEAU	DELAVIGNE	LESAGE	RACINE
BEAUMARCHAIS	DE GIRARDIN	MOLIERE	SANDEAU
BOUILLY	VICTOR HUGO	MUSSET	SCRIBE
BRUEYS & PALAPRAT	LABICHE	PICARD	SEDAINE

A SKELETON FRENCH GRAMMAR. By Professor ATKINS, King's College, London. 1/6. With Exercises, 2/- net.

ITALIAN GRAMMAR. By ERNESTO GRILLO, M.A., D.Litt., LL.D. ... 6/-.

ITALIAN PROSE WRITERS. By ERNESTO GRILLO, M.A., D.Litt., LL.D. 7/6.

ITALIAN POETS. By ERNESTO GRILLO, M.A., D.Litt., LL.D. ... 7/6.

BLACKIE'S GERMAN TEXTS. 6d. net each.

The following Authors can be read in this Series:

BECHSTEIN	ECKERMANN	HAUFF	KOTZEBUE	RIEHL	STORM
BENEDIX	GERSTÄCKER	HEINE	LESSING	SCHLICHT	SCHILLER
BISMARCK	GOETHE	HOFFMANN	MOTTE-FOUQUE	SEIDEL	SCHMID
DELFS	GRIMM	KÖRNER	MUELLENBACH	STERN	ZAHN

FRENCH SONGS WITH MUSIC. 6d. | **GERMAN SONGS WITH MUSIC.** 6d.

A SKELETON GERMAN GRAMMAR. By Professor ATKINS, King's College, London. 1/6. With Exercises, 2/- net.

A SKELETON SPANISH GRAMMAR. By E. ALLISON PEERS, M.A. 2/6 net.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.

Conference Supplement to
THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 595.

FEBRUARY 1, 1919.

TEACHERS REGISTRATION COUNCIL.

REPRESENTATIVE OF THE TEACHING PROFESSION.

(Constituted by Order in Council of 29th February, 1912.)

THE
OFFICIAL LIST
OF
REGISTERED TEACHERS
IS MAINTAINED BY THE COUNCIL.

**The Official List contains the names
of all qualified teachers who have
applied to become Registered, and
have been accepted by the Council.**

Unregistered Teachers should apply at once to

THE SECRETARY,
Teachers Registration Council, 47 Bedford Square,
London, W.C.1.

THE EDUCATIONAL SUPPLY ASSOCIATION, Ltd.,

Having completed most of their contracts for Munitions of War, are now in a position to execute promptly, orders for school furniture.

Imported woods are very scarce, and consequently very expensive, but The Educational Supply Association having purchased a large quantity of

ENGLISH OAK

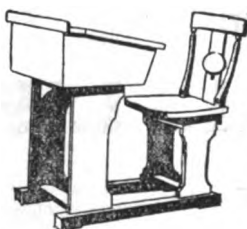
are prepared to supply school furniture made of English Oak at reasonable prices.

The Ideal Desk for High Class Schools is the "Stanton" Desk.

The most perfect Hygienic Desk made—a sliding Desk.

It is supplied in six different patterns and in five distinct sizes—the different parts being carefully proportioned in each height.

The Stanton Desk was selected for the use of the Prince of Wales and Prince Edward of York when at their studies both at Marlborough House and Sandringham.



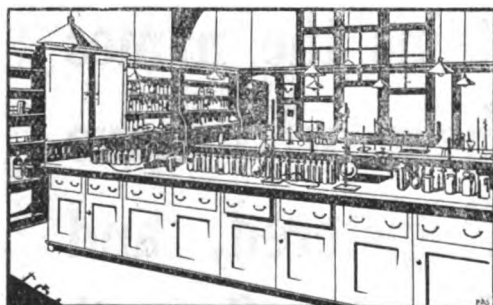
The Educational Supply Association at their Factory at Stevenage, Herts, manufacture every kind of School Furniture.

Pupils' Desks.
Masters' Desks.
Examination Desks.
Art Desks.
Pedestal Tables.
Cupboards. Lockers.
Forms. Tables.
Blackboards. Easels.
Cloakroom Fittings.
Woodwork Benches.



SCIENCE LABORATORY FITTINGS FOR SCHOOLS.

The Educational Supply Association have 25 years' practical experience in the fitting up of school laboratories and carry out the whole of the work, including the gas and water services, flues, and drainage.



The E.S.A. have supplied laboratory fittings to:—

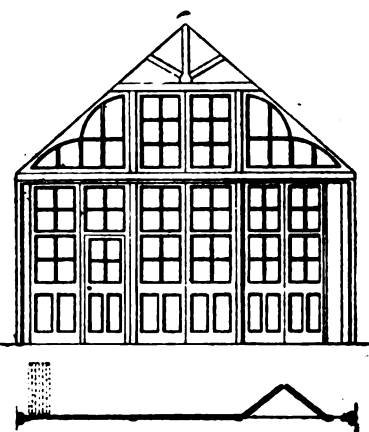
National Physical Laboratory, Teddington.
Science and Art Department, South Kensington.
Electrical Standardizing Institute, London.
St. Mary's Hospital Medical School.
Merchant Venturers' Technical College, Bristol.
King's College. Dulwich College.
Charterhouse School. Harrow Lower School.

The E.S.A. also supply simple benches for physical work only.

THE "ESAVIAN" PATENT SLIDING AND FOLDING PARTITIONS AND SCREENS.

These partitions are constructed on an entirely new principle which is patented—sliding pilasters being provided between each pair of leaves, the sliding movements being fitted to the pilasters—this arrangement providing the easiest possible movement. Doors on the Esavian principle thirty feet high have been supplied and have proved to be thoroughly reliable and satisfactory.

The partitions can be supplied either made entirely of wood or partially glazed.



EVERYTHING FOR SCHOOLS
The EDUCATIONAL SUPPLY ASSOCIATION LTD
STEVENAGE HOUSE, 40-44 HOLBORN VIADUCT, LONDON, E.C.

Manuscript Writing and Lettering.

By an Educational Expert.

A Handbook for Schools and Colleges, showing the Historical Development and Practical Application to Modern Handwriting of several Manuscript Styles derived from Ancient Roman Letters. Fully illustrated, together with Eight Collotype Plates of Writing from Manuscripts recommended as Models for Study.

Foolscap 4to (8½ by 6½ in.). Price 5s. net. Postage 5d.

A Memorandum on the Aims and Methods of Art Teaching in Day Schools.

By F. MORLEY FLETCHER (Director, Edinburgh College of Art). Price 6d. net.

A National Scheme for Vocational Training for Able-bodied Sailors and Soldiers.

By DOUGLAS COCKERELL, M.B.E.
Price 6d. net.

JOHN HOGG,
13 Paternoster Row, London, E.C.4

THE NATIONAL SOCIETY OF ART MASTERS.

PATRON:

HIS MOST GRACIOUS MAJESTY THE KING.

School Drawing Certificate for Teachers in Elementary Schools.

The Examinations are held in May.
Entries close on March 24th.

Examinations in Drawing for Secondary and Other Schools.

The Examinations are held in June.
Entries close May 10th.

Internal Examinations in Schools of Art and Art Classes.

Dates are arranged to suit individual Schools.

Copies of these schemes and forms of application may be obtained on application to the

Secretary, **ALFRED SHUTTLEWORTH, A.R.C.A.,**

45 Bedford Row, London, W.C.1.

THE JANUARY MEETINGS.

ASSOCIATION OF HEAD MASTERS.

ON January 2 and 3 the Annual General Meeting of the Head Masters' Association was held in the Guildhall under the Presidency of Mr. F. B. Malim (Haileybury). An interesting innovation in procedure was a joint session of the Head Masters' Association and the Head Masters' Conference on the first day, when the reports on modern languages and on natural science were discussed. Mr. Malim's inaugural address was full of encouragement and of hope for the future, as he dwelt upon the effects of the War—its discovering the flaws and the strong points in our educational system. The chief defects were not of quality but of quantity. There was, he pointed out, much room for hope in that the nation had now, as never before, recognized the value of education, and that we had a President of the Board of Education who knew that the whole educational system depended upon the teachers, and that without the best men continuation schools would be schools in name only. Neither wealth nor fame could be offered as an incentive to the schoolmaster, but to men who had learnt in the school of war the meaning of service and *esprit de corps*, men who loved beauty and knowledge, and could infuse that love into others, the profession offered a life full of fruitful work and a reward in the form of contact with the eager hope and gratitude of boyhood. A resolution was then carried expressing the thanks of the Association to Mr. Fisher and their satisfaction at the passing of the Education Act and the Teachers' Superannuation Act.

Mr. W. Jenkyn Thomas (Hackney Downs) urged the more rapid demobilization of teachers and students, the establishment of a system of allowances in the matter of age, &c., in competitive examinations, and in time of residence for degrees in the case of demobilized men. He also urged the abolition of compulsory Greek in Responsions and the Previous Examination. All these proposals were adopted after discussion.

At the joint session of the Conference and Association the reports of the Government Committees were considered and resolutions adopted embodying the following points: the inclusion of suitable science instruction in the curricula of the upper classes of elementary schools, preparatory schools and of secondary schools till about the age of sixteen; science and mathematics to be compulsory in the Public Schools Entrance Examination, the Army and Navy Entrance, the First School Examination—provided that comparative weakness in these should be atoned for by excellence in other subjects. Between the ages of twelve and sixteen the science teaching should have reference to the experiences of everyday life. In the course of the discussion on the Modern Language Report the meeting agreed that a knowledge of English grammar before entering the secondary school was essential; a common grammatical terminology was desirable; one or more foreign languages were an essential of higher education; French should normally be the first foreign language and Latin the second; an arts degree should be obtainable without a knowledge of Greek or Latin.

A Joint Committee was appointed to consider possible modifications of the Board's regulations with regard to State aid. At the second session Mr. Bailey (Liverpool) urged the necessity of more elasticity in the regulations for advanced courses as to choice of subjects, and the time allowed for them, and he also pointed out the necessity of making the second school examination of real value to the pupil as regards a University course and in other external examinations. In these proposals he was supported by the meeting, but his suggestion of a higher capitation grant for pupils doing post-matriculation work in schools which have not advanced courses was not adopted.

Mr. England (Exeter) welcomed the report of the Departmental Committee on Salaries, and his resolution to this effect was carried by the meeting. His suggestions that the minimum salary for the head master of a Secondary School should be £600; that capitation fees and boarding-house pupils as a means of remunerating a head master should be abolished; and that there should be a national provision for the training of well-educated men as physical instructors in secondary schools, were also adopted.

In the afternoon, Mr. Spurley Hey, Director of Education for Manchester, gave an interesting address on "The Relation of Continuation Schools to Secondary Schools." He pointed out that up to the present the training of adolescents had been carried out practically single-handed by the secondary schools, but that the Education Act of 1918 would probably bring about a great change in this respect, and would therefore necessitate a clearer definition of the aims and functions of a secondary school. He thought they would be separate and parallel systems with different ends in view, the object of one being to sow the seeds of a life of real culture and to send some pupils to the University, while the other could only effect a nodding acquaintance with higher education. He believed that the new Act would prolong school life in secondary schools, and necessitate increased provision for secondary education, and he illustrated his remarks by statistics from Manchester. The recent movement towards the reduction of fees in many schools would, he thought, be accelerated by the Act. He suggested possibilities as regards co-operation between the secondary

schools and day continuation schools on the social side, and concluded by urging those connected with secondary schools to insist that every one of these schools should have the right and freedom to develop along its own lines.

ASSOCIATION OF ASSISTANT MISTRESSES.

THE Annual General Meeting of the A.A.M. was attended by a large number of members. The earlier part of the meeting was devoted to routine business, the amount of which testified strikingly to the development of the work of the Association in recent years, and to the representative position that it is called upon to fill in educational matters.

The president, Miss Laurie, recalled the two aims that the Association was founded to pursue, namely, the promotion of the cause of education, and the improvement of the status and furtherance of the professional interests of teachers. She suggested, that while it is clear that the latter aim has been vigorously pursued, yet teachers might perhaps do more to forward the former. The tendency to narrowness induced by undue specialization should be combated by the cultivation of interest in education as a whole. The work of the teacher will benefit by everything that induces a widening of outlook and a drawing closer of the relation between different subjects.

The Association's Salary Scale, as amended a year ago, was carefully reconsidered in relation to the time spent by the intending teacher in preparation, the qualifications obtained, and the continued rise in the cost of living. Keen interest was shown in the practical details of the Superannuation Act, and the necessity that every teacher should without delay become acquainted with the provisions of the Act was brought out. Both discussions were based on the acceptance of the fact that the registration of the teacher is now the normal condition.

The other side of the Association's work was illustrated by the reading of two papers—one by Miss Wills on "Educational Reconstruction and Religious Teaching," and the other by Miss Margaret Bondfield on "The Place of the School in Society." The former speaker urged that a definite place in the secondary school curriculum should be assigned to Bible teaching, and that the teacher giving this instruction should be trained for the work in such a way as to secure accurate knowledge of the subject and a broad outlook. Miss Bondfield's address was an eloquent plea for seeking after truth in teaching. She declared that education, which should form a preparation for life, does little or nothing at present to prepare children to meet the facts of industrial life. She enumerated the chief points in the education programme of the Labour Party, and referred also to the programme put forward by the Socialist Education Minister in the new Prussia, many of the points being in harmony with the British Labour Party's programme. Miss Bondfield also urged that teachers should strive to ascertain the truth for themselves, e.g. in questions of history or economics, and to present it to their pupils uncoloured by personal opinion. She besought teachers to stand out boldly as champions of truth, open examples of honesty of judgment and sincerity of purpose.

The discussion on the draft of the Association's Education Policy served as a connecting link between the two sets of activities, and showed the anxiety of members to formulate a comprehensive and well-balanced scheme. The draft was referred to the Branches for full consideration, with a view to the matter being brought up again at the Summer Meeting.

ASSOCIATION OF ASSISTANT MASTERS.

THE Annual Meeting of the Incorporated Association of Assistant Masters was this year of special interest. An Organizing Secretary is to be appointed, whose whole time will be at the disposal of the Association. This is urgently necessary, for the strain on the officers, and on those mainly responsible for the work of the sub-committees, has become increasingly severe. A resolution to raise the annual subscription to a guinea is an earnest of a determination to press forward and extend activities. Many people believe that, with the adoption of new salary scales and the passing of the Superannuation Act, the position of teachers has been so much improved that little cause for dissatisfaction remains. The discussion on the report of the Departmental Committee showed how far this is from being the case. Criticism inevitably centred on its omission to recommend a national minimum scale of salaries. Strong dissent was also expressed from the suggestion in the report, that to place existing teachers at points in the salary scale corresponding to their length of approved service would involve a greater disturbance of existing financial arrangements than most authorities would be prepared to face. It cannot be emphasized too strongly that existing teachers are still profoundly

dissatisfied with present conditions; for many, if not most of them, are worse off than they were before the war, in spite of war bonuses and the Fisher grant. With a few notable exceptions, local authorities and governing bodies have done little to improve these conditions—sometimes, of course, through sheer lack of means. The Board of Education are to be asked to consider the establishment in such cases of a special grant in aid, to be distributed on account of approved expenditure.

While the primary object of the Association is to secure an adequate minimum salary for every teacher—a scale rising to £600 is advocated—it was made clear that, once this minimum is attained, there is no objection to the payment of additional increments on account of special merit or special responsibility.

The following resolutions on the Superannuation Act were passed:—

(1) That all service in (i) schools which submit to inspection by the Board of Education, and are declared by the Board to be "efficient," (ii) schools which are accepted by the Teachers Registration Council for purposes of registration, should be considered equivalent to "recognized service" as defined in Clause 18 of the Superannuation Act, 1918.

(2) That, in the case of existing teachers who are registered by the Teachers' Registration Council on or before April 1, 1919, all past teaching service should be considered equivalent to "recognized service," as defined in Clause 18 of the Superannuation Act, 1918.

The adoption of these proposals would do much to mitigate the hard case of teachers with experience in private schools, many of which were recognized by the Board as efficient when Column B of the old register was being compiled.

Lack of space forbids all but the barest mention of other resolutions. There was a protest against secret reports by Inspectors, Head Masters, and Heads of Departments. Another resolution foreshadowed closer co-operation between Masters and Mistresses in Secondary Schools. The claim for representation on Education Committees is coupled with a proposal that Consultative Committees should be set up, on which teachers nominated by their respective Associations should have half the representation. The simplification of examinations already effected was welcomed, and it was urged that the University Degree Course should begin where the School Advanced Course leaves off.

It may appear that questions concerning better conditions of service were more prominent than usual. This must continue to be so until conditions are altered. But the desire of the Association is that these questions may be settled as speedily as possible, so that it may be free to give attention to the work that more properly belongs to it.

PRIVATE SCHOOLS ASSOCIATION.

OWING to the influence of the Education Bill, the Teachers' Superannuation Bill, and other causes, the meetings of the Private Schools Association were characterized by remarkable unanimity, enthusiasm, and determination. Under the chairmanship of Mr. S. Maxwell, a mass of business was got through smoothly and expeditiously. Sir Philip Magnus, M.P., was elected President for the year in place of Dr. Sibly. Rev. C. Whitfield was appointed General Secretary, and Mr. Whitbread, Treasurer.

In order still further to extend the influence of the Association the country was divided into eight areas, in each of which a special secretary will organize propaganda work and form fresh branches and guide the activities of individual members in bringing under the notice of local members of Parliament the grave injustice done to efficient private-school teachers and the danger threatening the cause of true education by the increase of bureaucratic control.

The greatest indignation was expressed at the total exclusion of all private-school teachers from the benefits of the Superannuation Act. A carefully thought out scheme of insurance—by which approximately equal advantage could be provided by the payment of premiums—was brought forward by Mr. Hume (Birmingham); but a rousing and eloquent appeal from Mr. Bayley (Wellington) resulted in the appointment of a special committee to deal with the question and demand that the injustice of the Act should be removed. It was felt that the ingrained sense of fair-play in the British nation could be relied upon, and that it was necessary to bring home to the voters the Prussianizing tendency of recent legislation.

It was felt that one of the greatest obstacles was the existence of a certain number of inefficient private schools in the country—as these were being publicly cited as proof that all private schools ought to be extinguished. For this reason it was decided that no principal should be eligible for election as a member of the Association unless he (or she) fulfilled one or more of the following conditions:—(1) Registration under the Teachers Registration Act, (2) the possession of a University Degree (or its equivalent) plus three years' experience, or training, (3) five years' experience—inclusive of two years as Head—in a school approved by the Executive Council.

At the general meeting a cheque was presented on behalf of the

members by Miss Cowdroy to Mr. Wilson Rumsey as a token of their appreciation of his devoted services as Treasurer for thirty-three years.

TEACHERS' GUILD.

THE Annual Meeting was held on January 2. After the adoption of the annual report and statement of accounts, the Vice-Chairman, Miss H. Busk, read the presidential address at the request of Canon Masterman, who was in France with the Australian Imperial Forces. Canon Masterman expressed the opinion that the work which the Guild exists to do will be more needed in the future than it has been in the past, there being no other society that has for its object the encouragement of fellowship among teachers of every kind, instancing the establishment of the Club as one of the means to this end. What is most needed is that the whole body of members should recognize that the success of the Guild must depend upon their individual energy and enthusiasm. The educational developments of the new Education Act will achieve little unless organizations like the Guild maintain high ideals of education.

Following this meeting, Lord Gorell, Deputy Director of Staff Duties (Education), gave an address on the educational work in the Army. The work has far more than a transient value; its aim is not to afford occupation and mental discipline merely during the quiescent period, but to awaken latent interests, and through them to stir the mental and emotional faculties into quickened growth. The vastness of the work is unknown to the public. When Lord Gorell first took the matter in hand, a leading educationist told him that he might "found the greatest university the world has ever seen." Although in a sense that could never be, Lord Gorell felt that the movement had gone a long way towards that aspiration, by helping the men to a better self-realization. Its justification came from the fact that its growth was spontaneous, from below, with no pressure from above, and that it is carried on with a definite view to resettlement, and, by combining the ideal and utility motive, to give the men something that is going to help them in the future, this being part of the debt which the nation owes to their services. Three million men are participating in the scheme, and there is great need for teachers. To meet this, two schools have been established, one at Cambridge and the other at Oxford, where officers have an intensive course in the art of teaching. These schools may be said to be training colleges for continuation school work.

"National and International Ideals in the Teaching of History" was the subject of an address by Prof. Hearnshaw, who, raising the question of ideals as applied to education, compared the aims of different peoples at varying epochs. The supreme aim of a democratic education should be to train men and women to play a worthy part in the civic life of the community. The history of his own country should form the foundation of the instruction in history for every citizen, not as in Germany for political ends (with such direful results), but to broaden the outlook. English history is not a matter of the history of the English nation alone, and a healthy nationalism is not incompatible with that growing internationalism which is to end wars and to culminate in the Parliament of Man and the Federation of the World.

Miss Levett, defining the meaning of "National and International Ideals in the Teaching of History" as (1) a clear conception of national characteristics, conditions, and aspirations, and (2) a sounder knowledge than most of us gained at school of the working out of our international sympathies and antipathies, and the practical relation between states, proceeded to discuss the means whereby these aims can be attained, involving important changes in teaching methods.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.

At the meeting of the Association of University Women Teachers at the Conference of Educational Associations, on January 8, an interesting lecture was given by Miss May Smith on "Some Mental Effects of Loss of Sleep." After pointing out the importance of the problem of fatigue to various sections of the community—i.e. the military, the industrial, and the educational—she explained the difficulties of finding a satisfactory test for measuring fatigue. She described a series of experiments she had made on herself, extending over a period of two years. In order to reduce the problem to the simplest form, she had reduced her hours of sleep for three consecutive nights, thus obtaining a state of fatigue apart from anxiety or other mental strain. The test applied was that of the dotting machine devised by Dr. McDougall to test the power of voluntary attention. A moving tape printed with red rings is passed before the eyes of the subject, who endeavours to dot each ring with pen and ink as it passes. The number of errors had been recorded in the form of graphs, and showed that the immediate effect of fatigue was a great improvement in the dotting followed by deterioration for a disproportionate time. The deterioration was rapid and the return to the normal slow and irregular in point of time, i.e. on the sixteenth day or later. Comparison of the results of fatigue cycles seemed to suggest the possibility of ac-

quiring a relative immunity to fatigue, possibly by the production of an anti-toxin. The lecturer suggested that the great workers of the world might be persons who possessed an organism with special powers of producing such an anti-toxin. She pointed out that subjective feelings bore no relation to the objective demonstration of fatigue and that the return to the normal was much slower than the subject imagined. This fact was of some importance both in industry and education, one of the subjective effects being increased irritability and emotional instability.

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION.

At the Annual Meeting of the Froebel Society, on January 9, Prof. Shelley was elected President, and contributed a stimulating address on "The New Educational Realism." He began by tracing the history of realism from the mere giving of unconnected facts, through causal "connexions" and "correlation" of subject to subject, up to the present-day realization of the child as an evolving individual of an evolving society, recognizing for himself the purpose of his work, and its connexion with his life, and so making it real. He dwelt on the view of mind as an object in itself having relations to other objects, and emphasized the need for the relation of things to the individual mind. We must not merely impart knowledge, we must educate for joy. As an instance of the better way, Prof. Shelley took Browning's "O to be in England," saying that by the old "correlation," this poem would be given to English children in April. But it might just as well be taken in the depth of winter. The teacher's business in April was to see that the child gained that glorious experience out of which the poem came. For Browning was not watching an English April when he wrote—he was recalling a past joy—and without the joyous experience there could be neither poem nor appreciation thereof.

In the afternoon a meeting was held to consider points which had been put before branch members already. The discussion dealt with the kind of apparatus, &c., which ought to be provided for the individual work of children; with the teacher's difficulties in dealing with children of various types; with the right relation of individual work to class work; and the relation of individual discoveries to organized knowledge.

THE JOINT CONFERENCES OF EDUCATIONAL ASSOCIATIONS.

MR. FISHER delivered the inaugural address on New Year's Day to two large audiences, and reference to his wise remarks is made in our Occasional Notes.

The first joint meeting of the conference took place at University College, Gower Street, W.C., on January 4.

Prof. John Adams contributed a paper on "The Utility Motive in Education." He said that Plato and Aristotle had worked out the problem fully if not completely. All we had to do was to apply their conclusions to present circumstances. The demands of the W.E.A. for a cultural education rather than vocational were utilitarian in the sense in which the Athenians were. But the old Greeks, while regarding useful work with disdain, did not select their studies because of their uselessness. An arrangement could be made by which the claims of the cultural and utilitarian ideals might be met. The relative values of the two kinds of knowledge is something for others to quarrel about. For the educator it is enough that he provides a course that maintains a certain balance between them. We shall certainly not succeed in maintaining a due proportion of cultural elements if we set out on a crusade for the useless. Art, literature, and music are as useful as chemistry, arithmetic, and shorthand. It will help our consideration of the subject if we drop the term *utilitarian*, whose acquired sinister connotation does much to confuse the issue.

Dr. Hayward said that the true idealist will not study in order to improve his mind, nor practise art in order to improve his taste, nor do good in order to improve his character: he regards these as irrelevances which obscure the view of the only goal worthy of our aim and mar the purity of our motives. So the doctrine rejects not only the utilitarian view, but also the cultural view. Utility of course follows; culture of course follows; but the motive should take no cognizance of this. It should be pure gold, unalloyed by baser metals, and these high ideals have with every normal person a strong impelling power. Such is the gospel of disinterestedness. And a very winsome and very noble gospel it is. There is something in our nature that stretches out its hands to welcome it. Dr. Hayward concluded by expressing his sympathy with the view of the Workers' Educational Association.

The Second Joint Conference, on January 11, dealt with the Continuation School. Major Gray, M.P., discussed the problem which would be created on the expiration of the seven-year limit in the Education Act, in relation to Continuation Schools, and the question of whole and part-time instruction. As this question becomes realized the tendency will be to favour the shorter period of full-time instruction. A difficulty to be surmounted will result from the character

of the instruction received already, which will vary according to whether the pupil goes from the elementary or secondary school. The curriculum should provide for a good general education, the aim being to develop intelligence; vocational training as such should be rigidly excluded.

Miss M. Frodsham described an experimental pioneer Continuation School at Canning Town, where they had buildings which provided a hostel and club. She, like Major Gray, felt that the school atmosphere must be eliminated from the new continuation schools. The immediate problem would be with those young people who had been employed with good wages during the War and now had to obtain other work. Parents, employers, and pupils alike would have to be won over to see the good in the scheme; they were suspicious of the compulsion, but not at all disinclined to view with favour anything which would give them a chance to get on, and they looked upon education as a commodity which the rich have and they have not.

ASSOCIATION OF PUBLIC SCHOOL SCIENCE MASTERS.

THE General Meeting of this association was held at the London Day Training College on December 31 and January 1. The association was founded in 1900, with the membership restricted to the public schools. It has grown steadily until the present time, when nearly all such schools are represented in it. At the meeting the constitution was changed so as to include science masters in all secondary schools which are under corporate control; and, accordingly, the title was altered to "The Science Masters' Association." It was also decided to undertake the publication of a periodical entitled *The School Science Review*, of which Mr. C. H. J. Adlam (City of London School) will be the editor. Mr. W. W. Vaughan, the Master of Wellington College, was elected President for 1919, and Mr. W. D. Eggar (Eton College) and Capt. W. J. R. Calvert (Harrow School) were appointed Secretaries.

Col. Sir Ronald Ross presided throughout the meeting. In his opening address, he expressed the hope that in the education in the future it would not be forgotten that the experiences of war time had shown how beneficial to health the military open-air training had been; and he suggested that there should be at least a fortnight's compulsory physical training, under discipline, in the open air, for both sexes, every year for five years, between the ages of about fifteen and twenty. Passing on to the academic aspects of education, Sir Ronald Ross said that in much of our teaching we made the fundamental error of giving too much attention to detail at the outset: the mistake was most marked in classics and mathematics; but, to quote his own words, "In our teaching of most things we potter about the porch, and never look into the temple at all."

The discussions during the meeting were concerned chiefly with the evils of early specialization at school, and there were frequent references to the adverse influence of examinations in this respect. Mr. F. S. Young, Head Master of Bishop's Stortford College, read a paper on "The Importance of Restricting Specialization in University Scholarship Examinations, and of giving weight to General Education." He urged that candidates should be required to show conclusive evidence of having reached a satisfactory standard of general education before they were allowed to compete for a scholarship at a University, and that they should be encouraged to offer subsidiary subjects at the examination.

Mr. W. D. Eggar contributed a paper on "The Teaching of General Science," in the course of which he said that classical masters now assisted, with considerable success, in the teaching of science in the lower forms at Eton. During the debate which followed, much dissatisfaction was expressed with the new regulations for the Oxford and Cambridge School Certificate Examination. Contrary to the recommendations of Sir J. J. Thomson's Committee, the Board which is responsible for this examination has framed the regulations so as to discourage the liberal teaching of science which the Association has advocated for some years. The meeting passed a resolution, *nem. con.*, that the syllabus for science in this examination should be broadened by the inclusion of an alternative paper in general science.

THE GEOGRAPHICAL ASSOCIATION.

THE Geographical Association, at its Annual Meetings in London on January 3 and 4, received the Annual Report, showing an increase of its membership from 1,000 to 1,458, and detailing schemes put into operation for increasing the Association's usefulness. A Standing Committee has worked for the modification of secondary-school regulations with already a small measure of success. On this subject a resolution was passed emphasizing the value of geography both among the humanities and among the

sciences both as regards the First School Examination and in Advanced Courses. The Board of Education have sanctioned, as an experiment, an Advanced Course, pivoting upon co-ordinated work in geography and history, and also including work in French on one hand and physical science on the other. A strong feeling was expressed that geography, with essentially the same syllabus, should be recognized in Group 1 and in Group 3 of the groups for the First School Examination.

The Report further stated that the Board of Education had organized a Summer School for discussion of problems of geographical teaching. This school was largely attended, and the results of its discussions are published in book form by Messrs. Philip & Son under the title, "Geography in Education." The Report also referred to the increasing recognition of geography in Universities. At Liverpool it has an Honours School in the Faculty of Arts; in the University of Wales it now has an Honours School in both Faculties; at London, Cambridge, and Oxford the same ideas are receiving sympathetic consideration; and it was stated that the next Report would probably be able to chronicle interesting developments here and at Edinburgh.

Prof. Grenville Cole, F.R.S., gave his Presidential Address on "The Northern Seas and the Arctic Route to Muscovy." Mr. W. H. Barker lectured on "The Historical Geography of West Africa," Mr. A. R. Hinks gave an illustrated paper on "War Maps," and Mr. C. B. Fawcett and Miss D. D. Adam led a discussion on "The Teaching of the Geography of the British Isles." Several of these papers will appear in the Association's journal, *The Geographical Teacher*, in which it was decided also to print syllabuses of connected courses suitable for elementary schools, and bibliographies to assist advanced work in the top forms of secondary schools and in institutions of higher education. Intending members are invited to correspond with the Clerk to the Association at the new office address, 1 Marine Terrace, Aberystwyth.

THE HISTORICAL ASSOCIATION.

THE Historical Association held its thirteenth Annual General Meeting at University College, London, on January 10 and 11. The President, Prof. C. H. Firth, LL.D., Litt.D., was in the chair. The Business Meeting was held on the first afternoon, when the elections of Vice-Presidents and Members of Council took place, and the reports of the Secretary and Treasurer were read. The Secretary reported that the membership had increased during the past year by more than 200 to 1,311, a higher total than ever reached before. It was further reported that since the last annual meeting a Branch of the Association had been formed in Monmouthshire and South Wales under the presidency of Prof. Bruce, of Cardiff University College.

Dr. R. M. Burrows, Principal of King's College, London, gave an address to a large audience, on "The Revival of Greece." On the second morning a paper was read by Prof. C. H. Firth on "How to Mitigate the Evil of Examinations." It had been originally intended that this paper should follow one by Mr. J. W. Headlam-Morley on "How to Set an Examination Paper in History," but the Council had been obliged to postpone the latter paper until some later date, owing to the absence of Mr. Headlam-Morley in Paris in connexion with the Peace Conference. Prof. Firth's paper was followed by an interesting discussion, in which Profs. Hearnshaw, Pollard, Tout, and other members took part.

Later Dr. A. P. Newton, Lecturer in American and Colonial History at University and King's Colleges, London, proposed the following motion:—"That in history teaching in schools the main stress should be laid upon the general history of the English-speaking peoples and their relations to one another, and the history of other peoples should be considered in relation thereto."

Dr. Grice (School of Economics) seconded the motion, and Mr. F. Marvin, Prof. Carl Russell Fish (of Wisconsin University), and Prof. Pollard took part in the debate which followed. It was decided that the motion should not be put to the vote.

MATHEMATICAL ASSOCIATION.

THE annual meeting of the Mathematical Association was held in the London Day Training College, Southampton Row, W.C.2, on January 1 and 2. There was a good attendance at all the meetings, and the discussions were particularly animated and interesting. The President, Prof. T. P. Nunn, departed from the usual practice of giving a discursive lecture on general mathematical topics, and opened a discussion on "Astronomy as a School Subject." The Astronomer Royal was present and took part in the discussion. Prof. Nunn exhibited a series of very simple models which could easily be constructed by the boys themselves, and

from which they could very easily obtain fairly accurate records of the simpler motions of the celestial bodies. Teachers from Stonyhurst and Bootham School gave their own experiences in teaching astronomy to their pupils. The lecture was listened to throughout with great attention and enthusiasm.

Dr. W. P. Milne read a paper which had as its object the discussion of the wider opportunities which the Mathematical Association would soon have of adapting mathematical knowledge and processes to the pivotal industries of the nation, such as commerce, agriculture, engineering, navigation, &c., as opposed to the purely academic side of mathematical teaching, the two aspects being not antagonistic, but complementary. He also suggested that, in addition to the London meeting of the Association, a summer meeting should be held in the provinces to study the application of mathematics to the various industries on the spot. Upon a show of hands being taken, this suggestion was found to be cordially approved of. He also announced officially that the Mathematical Association had already established machinery for studying the mathematical syllabuses relative to the various industries, and that formal reports would be issued in due course. Great interest and approval of this new departure of the Association was exhibited by the audience.

Mr. Basil A. Howard opened a discussion on the teaching of geometry to first-year pupils. It was abundantly evident from the remarks of those present that deep and widespread dissatisfaction is now being felt with the current mode of teaching geometry. The crux of the question seems to be that an attempt is being made to teach academic geometry with a perfunctory appeal to ruler and compasses as a means of giving the pupil confidence. Probably a course of practical geometry such as is given to engineers, to be followed by a more academic study of the subject, would be the best solution of the difficulty. Many teachers suggested that the properties of the circle should be taken before those of areas in the formal course, as the former are really more easy than the latter. It was evident from the attitude of the meeting that a new revision of the whole subject of the teaching of geometry will probably have to be made in the near future by the Association.

At the "Advanced Section" Dr. Brodetsky read a brilliant paper on "The Graphical Treatment of Differential Equations," a method devised by him in connexion with his aeroplane researches to deal with insoluble differential equations as they present themselves in practical work. Mr. A. Lodge dealt with "Cubic Graphs of the Form $y = ax^3 + bx^2 + cx + d$." Miss G. M. Weighell was unfortunately absent through illness, and hence was unable to read her paper on "The Value of the History of Mathematics in the Teaching of Mathematics."

MODERN LANGUAGE ASSOCIATION.

THE Annual Meeting of the Modern Language Association was held at University College on January 8 and 9. Perhaps the most interesting feature was a debate on the new Advanced Courses, during which much useful evidence was given by teachers taking part in such courses at different boys' and girls' schools. It was generally agreed that the labour and preparation involved demanded additional "free periods," and also that, though the principle of correlation insisted upon by the Board was sound, it must not be carried so far as to subordinate literature to history. The best literature must be read, and this does not always take the form of historical novels or extracts from the writings of historians. Above all, if the Advanced Courses are not to prove a failure in the majority of our secondary schools, they must be linked up closely with the University course. There is no inducement for a pupil who has matriculated to stay at school for another two years following a course which leads nowhere and preparing for an examination which will be of no use to him, and the majority will leave in order to attend a University. The proper place for a pupil up to the age of eighteen is, however, the school, and the best solution was thought to be to raise the matriculation age and the standard of the matriculation examination. As an alternative and temporary expedient, the meeting passed a resolution urging that the second "approved examination" should be accepted as equivalent to a University Intermediate Examination leading on to a three-years' Honours course.

Mr. E. Bullough read an interesting paper on "Educational Co-operation between the Allies," and a paper by Dr. Emilio Re, on "The Teaching of English in Italy," evoked a resolution urging the encouragement of the teaching of Italian in this country.

Resolutions approving the Report of the Government Committee on Modern Languages, and urging the immediate adoption of some of its more important recommendations by the Authorities concerned, were also passed, the Report of the Reconstruction Committee of the Association was approved, and the new rules and

constitution adopted. It is hoped that the Association will soon possess offices of its own and that its activities will be greatly increased, a state of things which should have a very favourable effect upon the membership.

The Earl of Lytton, who was prevented by his ministerial duties from delivering the Presidential Address, has promised to do so at a later date.

NATIONAL SOCIETY OF ART MASTERS.

THE annual meeting of this Association was held on January 2. The President, Mr. J. Harrison, Principal of the Nottingham School of Art, delivered his address, during the course of which he asked: In how many of our primary and secondary schools is art, in any form, treated seriously? Consider the small amount of time given to art, a subject which is universal and vital, by students in training colleges for teachers who are to teach drawing, colour, &c., in the primary and other schools. It is here where the great weakness is. Another evil is the inspection of art in a number of art classes by the science inspectorate. He was not finding fault, he said, with these inspectors, but with the system which permits those who have had small or no art training to inspect subjects in art of which they can have but little knowledge. Is it possible to have anything more detrimental to art education than inspection by those who do not know and whose opinions and verdict carry no weight? We must press home the request, that this anomaly shall be removed, and that all inspection of art shall be by inspectors, trained in art, and having a good knowledge of the teaching and requirements of art students of various types.

Sir Frank Warner, ex-President of the Silk Association, gave an address on industrial art. The designer, he said, must have a thorough and up-to-date knowledge of the capabilities of machinery, its limitations in some directions, its almost unlimited possibilities in others. Machinery is always undergoing development, and what is impossible yesterday becomes possible to-day. The education of the trade designer must therefore be technical as well as artistic, and the education of others engaged in the production of patterned goods must be artistic as well as technical. Art education is at present confined to a ridiculously narrow field, and business people, employers in particular, needed to be enlightened as to the desirability that not only their designers but many others in their employ should receive it. The creator or designer of artistic goods should receive his training in the vicinity of the production of the particular articles which he intends to create. He must be able to think in the methods and materials of his craft, and the school that trains him must be in a position to provide him with access to those methods and materials. Industrial art students must be provided with highly developed schools, schools of collegiate rank, in the centre of each important industry. Let students learn in every art school to draw and to study the harmony of colour; let us develop in them the sense of beauty, the cultivation of taste, and the appreciation of works of art.

ASSOCIATION OF SCIENCE TEACHERS.

THE annual meeting was held on January 6, at University College, Gower Street, W.C.1. Miss Lees (Clapham High School) was elected President for 1919, the retiring President, Miss Saunders (Newnham College, Cambridge), becoming Vice-President. The morning session was devoted to the business of the Association with a short address from Miss Lees "On the Teaching of Science in the Upper Forms of Girls' Schools and its Relation to Examinations and to the First Year of University Work."

At the afternoon meeting, Prof. F. W. Oliver (University College, London) opened a discussion on the relation between school and University in regard to science teaching. He said that the reason for urgency in considering this question was that improved facilities for science teaching in secondary schools would soon be following on the new regulations of the Board of Education. The status of the intermediate examination was threatening to become a matter of controversy between school and college. The schools resented the pupils having to repeat at the University work already done at school, and many University teachers regarded the claim of the school to teach to the intermediate stage as an encroachment on the function of the University. He wished to see greater co-operation between school and University. The discussion was continued by Prof. Weiss (Manchester), Mr. T. G. Bedford (Cambridge), and others. Prof. Weiss suggested that, instead of specializing in one or two branches of science, secondary schools should aim at a more level standard in the general science teaching. He considered that it would not be advisable to accept the science teaching at school as the equivalent of the first year at the University, but hoped that, if the general level of science teaching at schools were raised, the

(Continued on page 134.)

Cambridge University Press

Cambridge Readings in Literature. In five books. Edited by GEORGE SAMPSON, and illustrated with reproductions of the great masters.

The books in this series have been prepared for use among the pupils between the ages of 12 and 16, and are thus suitable for the middle forms of Secondary Schools, the four years of Central and Higher Grade Schools, the upper standards of of Elementary Schools, and the literature courses of Continuation Schools. Special features are :—

1. A wide variety in the choice of readings.
2. The inclusion of a large number of copyright pieces by contemporary authors.
3. Reproductions of famous pictures, engravings, and drawings of different schools and periods.

The prices of the books (each containing 24 pictures) are as follows:—

		School Edition, Cloth flush.	Cloth limp.
Book I (pp. xiv + 248)	...	3/6 net	4/3 net
Book II (pp. xvi + 248)	...	3/6 net	4/3 net
Book III (pp. xvi + 236)	...	3/6 net	4/3 net
Book IV (pp. xviii + 286)	...	4/- net	5/- net
Book V (pp. xx + 288)	...	4/- net	5/- net

Also published in a Library Edition (cloth boards with book-marker).

Books I-III, 5/- net each. Books IV-V, 6/- net each.

Selections from the Poems of William Wordsworth. Edited by A. HAMILTON THOMPSON, M.A., F.S.A. 8s net. English Romantic Poets.

"A volume of exceptional merit, beautifully printed, and admirably edited, with an introduction at once appreciative and illuminating, and notes that are a real help to the ordinary reader as well as to the student."—*The Guardian*

Uniform with the above:—

Keats. Shelley. Coleridge. 8s net each

The Granta Shakespeare. Edited by J. H. LOBBAN, M.A. With frontispiece, introduction, notes, and glossary. 1s 6d net each.

The Winter's Tale	Twelfth Night
King Henry IV, part I	Julius Caesar
King Henry IV, part II	The Tempest
King Henry V	Cymbeline
Macbeth	Coriolanus
A Midsummer Night's Dream	
Much Ado About Nothing	
The Merchant of Venice	
Antony and Cleopatra	

"This is a satisfactory edition, pleasant to read and to handle, with brief, scholarly introductions and notes. . . . The aim of the edition is to give all that is indispensable for the intelligent enjoyment of the play." Mr. Lobban has satisfactorily achieved his end."—*Modern Language Teaching*

THE REV. S. A. McDOWALL'S
BOOKS ON
EVOLUTION AND CHRISTIANITY
NOW READY

Evolution and the Doctrine of the Trinity.

By STEWART A. McDOWALL, B.D., Trinity College, Cambridge; Chaplain and Assistant Master at Winchester College. Crown 8vo. 9s net

This book is an attempt to formulate the Doctrine of the Holy Trinity anew from the standpoint of evolution, and to restate it in terms that are consonant with modern thought.

Previously Published:—EVOLUTION AND THE NEED OF ATONEMENT, 4s 6d net; EVOLUTION AND SPIRITUAL LIFE, 6s net

Germany, 1815-1890.

3 vols. By Sir ADOLPHUS WILLIAM WARD, F.B.A., Litt.D., Master of Peterhouse. Third and final volume, 1871-1890, with two supplementary chapters, and 2 maps. Now ready. Price 12s 6d net. Cambridge Historical Series.

Previously published:—

Vol. I, 1815-1852	...	...	12s 6d net
Vol. II, 1852-1871	...	...	12s 6d net

"There is no living Englishman more learned in German history and literature than the Master of Peterhouse, and there is none better fitted by training and sympathy to interpret to us the evolution of our greatest enemy. An invective or a political anti-German pamphlet would be more popular at the moment; but the business of the Master of Peterhouse is to write history."—*The Observer*

The Port-Royalists on Education.

Extracts from the Educational Writings of the Port-Royalists. Selected, translated, and furnished with an introduction and notes, by H. C. BARNARD, M.A., B.Litt., sometime Senior Hulme Scholar of Brasenose College, Oxford; Author of *The Little Schools of Port-Royal*, &c. Crown 8vo. 7s 6d net

"The book was worth making, and is worth reading."—*The Times*
"The work is in all respects ably done, and the book is equipped with every aid which the young student of educational theory and history requires: for an appreciation of the important part which the 'little schools of Port-Royal' played in the formulation of educational practice."—*The Scotsman*

Recent Discoveries in Inorganic Chemistry.

By J. HART-SMITH, A.R.C.S., F.I.C. Demy 8vo. 4s 6d net

An account of the more important discoveries in Inorganic Chemistry within the last fifteen years, so far as they concern the subject as usually taught in schools. The book is in no sense intended to be a textbook, but is rather to be regarded as a supplement to existing textbooks. The book contains particulars of all work coming within its scope that has been published up to the end of 1917.

Lecture Notes on Light.

By J. R. ECCLES, M.A., Assistant Master at Gresham's School, Holt. Crown 4to. With blank pages for diagrams, 5s net. Another edition, with 85 pages of diagrams, designed to serve mainly as a key, for the use of Masters, to the diagrams referred to in the text, 12s 6d net

"The directions are clear, and specimen calculations are worked, all of which make the work of the student very easy. The ground covered is that of a good Secondary School course, reaching a standard about that of Inter. B.Sc. Every teacher of physics should possess the book."—*Technical Journal*

FETTER LANE, LONDON, E.C.4: C. F. CLAY, MANAGER

Cambridge University Press

The Cambridge Modern French Series.

General Editor: A. WILSON-GREEN, M.A.

The aim of this series is to provide Modern French texts equipped with exercises on the lines of the direct method. The volumes are divided into three groups and comprise:—

1. A short biography in French of the author.
2. A series of exercises, each containing passages for translation into French, and questions in French on (a) the narrative, (b) the words and idioms, (c) the grammar.
3. A French-English vocabulary for those who desire translation into English, instead of reading all in French.

New Volumes in the Middle Group:—

Honoré de Balzac. Le Colonel Chabert. Edited by SYDNEY H. MOORE, M.A. 8s net

J. J. Jusserand. La Vie Nomade et les Routes d'Angleterre au XIV^e Siècle. Edited by A. WILSON-GREEN, M.A. 4s net

Previously Published:—

SENIOR GROUP.

Six Contes, par Guy de Maupassant. Edited, with exercises and vocabulary, by H. N. P. SLOMAN, M.A. 2s 6d net

Ce que disent les Livres. Par Emile Faguet. Edited by H. N. ADAIR, M.A. With 8 portraits. 8s net

Manuel de Lecture Expliquée: XIX^e Siècle. Edited by S. A. RICHARDS, M.A. 2s 6d net

Gringoire. Par Théodore de Banville. Comédie en un Acte en Prose. Edited by A. WILSON-GREEN, M.A. 8s net

MIDDLE GROUP

Causeries du Lundi: Franklin et Chesterfield. Par C. A. Sainte-Beuve. Edited by A. WILSON-GREEN, M.A. 2s 6d net

Les Ailes de Courage. Par George Sand. Edited by F. B. KIRKMAN, B.A. 8s net

JUNIOR GROUP

La Maison aux Panonceaux. Par Lady Frazer. With exercises and vocabulary by A. WILSON-GREEN, M.A. 1s 8d net

A large paper edition of this book, especially suitable for presentation purposes, with 12 full-page illustrations from drawings by H. M. BROCK, is also published at 5s net

Selections from Sainte-Beuve. Edited by ARTHUR TILLEY, M.A., Fellow and Lecturer of King's College, Cambridge. Crown 8vo. 6s net

CONTENTS:—Introduction.—MOLIÈRE, 1835. Portraits Littéraires, II—From Du Génie Critique et de Bayle. 1835. Portraits Littéraires, I—MONTAIGNE, 1842. Port-Royal, II—Mme GEOFFRIN. 1850. Causeries du Lundi, II—BEAUMARCHAIS. 1852. Causeries du Lundi, VI—LA FONTAINE. 1849. Causeries du Lundi, VII—LA BRUYÈRE. 1861. Nouveaux Lundis, I—Sainte-Beuve's Method. 1862. Nouveaux Lundis, III—TAINE. 1864. Nouveaux Lundis, VIII

Le Sage: Turcaret. Edited, with introduction and notes, by A. HAMILTON THOMPSON, M.A., F.S.A. Crown 8vo. 6s net

Regnard: Le Joueur. Edited, with introduction and notes, by ARTHUR TILLEY, M.A. Crown 8vo. 4s net

Translation from French. By R. L. G.

RITCHIE, M.A., Lecturer in French in the University of Edinburgh, and JAMES M. MOORE, M.A., Rector of the Madras College, St. Andrews. Demy 8vo. 6s 6d net

"A book which is clear, helpful, and a pleasure to read and work through. We say 'work through,' because the most valuable part is certainly that section which consists of models, or specimens of how fine translation should be carried out. It is in these passages, so carefully and delicately handled, that the science and art of the authors is most evident. This, in short, is a very good book, and it should be bought."—*The Times*

A Manual of French Composition. By the

same Authors. Demy 8vo. 5s net

"The outstanding feature . . . is the Model Lessons. . . . These are of high merit, and deserve the closest attention. . . . The work is highly stimulating, and shows how the study of a modern language may give that mental discipline which was formerly supposed to be the province of the ancient classics."—*Modern Language Teaching*

Livy: Book XXIII. Edited, with introduction and notes, by A. G. PESKETT, M.A. 3s 6d net. Pitt Press Series

"The volume contains an introduction, the text, notes, a critical appendix, an index, and a map. The editor, in his notes, has kept the teacher in view as well as the pupil. This is a wise precaution that editors sometimes overlook."—*Educational Times*

"A useful addition to the 'Pitt Press Series,' competently edited by a well-known hand."—*Cambridge Review*

M. Annaei Lucani, De Bello Civili, Liber VIII. Edited by J. P. POSTGATE, Litt.D., F.B.A. 3s 6d net Pitt Press Series

"In spite of the fact that Professor Postgate has had in view both schoolboys and maturer scholars, he has yet kept his notes strictly pertinent, and he is to be congratulated on the commentary alone. . . . Whether for Sixth Form boys at school or for the Lucan Scholar, this edition is indispensable."—*School World*

The Cambridge University Calendar for the Year 1918-1919. Crown 8vo. 10s 6d net

INDUSTRIAL AND COMMERCIAL SERIES.

"The volumes are crisply written, amply illustrated and indexed, and will prove of the utmost value wherever they are introduced."—*Educational News*

Agriculture and the Land, with some account of Building Societies, Garden Cities, our Water Supply and Internal Communication. By GEORGE F. BOSWORTH, F.R.G.S. With 30 maps and illustrations. 2s

Trade and Commerce, with some account of our Coinage, Weights and Measures, Banks and Exchanges. By A. J. DICKS, B.A., B.Sc. With 19 illustrations. 2s

Ships, Shipping, and Fishing, with some account of our Seaports and their Industries. By GEORGE F. BOSWORTH, F.R.G.S. With 24 illustrations. 2s

Factories and Great Industries, with some account of Trade Unions, Old Age Pensions, State Insurance, Relief of Distress, Hospitals. By F. A. FARRAR, B.A., B.Sc. With 19 illustrations and 3 maps. 2s

FETTER LANE, LONDON, E.C.4: C. F. CLAY, MANAGER

Universities would be able to assume some general knowledge of science in all their students upon entrance, and thus be able to remodel their first year's course and arrive at a higher standard in their final examinations. He also supported the suggestion of Prof. Oliver that the Universities might institute special courses for teachers to keep them in touch with the latest developments in science. He expressed a hope that the conditions of the science teachers in schools might be so ameliorated that many of them might engage in original investigations, which he felt sure would vivify their teaching and enable them to instil a really scientific attitude of mind into their pupils. It was resolved that the Association, in consultation with kindred bodies, should take the necessary steps for the appointment of a Consultative Council representing schools and Universities, to discuss the scope and method of the higher work of schools and its relation to the work of Universities.

SIMPLIFIED SPELLING SOCIETY.

PRESIDING at the Annual Meeting of the Simplified Spelling Society on January 2, Prof. W. Ripman said that spelling reform was important, because our present spelling involved a great waste of the time of school children and was an obstacle to the spread of English as a world language. The Society had launched a petition asking for a Royal Commission on the subject. Such a Commission would inquire, in the first place, whether a simplification of English spelling would be advantageous. Then would come the much more difficult question as to the form the simplification should take. In the first place, what form of speech should be represented? We required a standard of speech before we could have a really uniform and satisfactory spelling. The next question would be as to what symbols should be used to represent the standard speech. The scheme of the Simplified Spelling Society used only existing letters, but the question would arise whether any new letters should be added. He thought the details of the reform had by now been discussed sufficiently, and that it was no longer a time for pushing individual schemes. As to its own scheme, the Society was quite willing to sink this completely, if the Commission that it asked for chose another, even though the scheme so laid down fell short of the Society's ideal. Subsequently Miss L. Walsh spoke, and there was an interesting demonstration by children from her school; Miss Parker and Miss Renwick showing how the little pupils were

taught to read with the simplified spelling, and how easily the transition to the ordinary spelling was made. Miss Thompson, Lyons Council School, Durham, and Miss McConnochie, Clepington Road School, Dundee, followed, and Mr. A. P. Graves told several amusing stories illustrating some results of our present spelling. Mr. Mohammed Sadiq spoke of the importance of English spelling reform to the natives of India, and a general discussion followed.

BOOKS OF THE MONTH.

Art.

Drawing and Design: A School Course in Composition. By Samuel Clegg. With a Foreword by Prof. William Rothenstein. *Pitman*. Price 10s. 6d. net.

Classics.

Virgil: *Aeneid* V. Edited, with Introduction, Notes, and Vocabulary, by C. E. Freeman. *Clarendon Press*. Price 1s. 9d.
Latin Elegiac Verse Composition. By Roy Meldrum. *Rivingtons*. Price 5s.
Elementary Latin Elegiac Verse Composition. By Roy Meldrum. *Rivingtons*. Price 2s. 6d.

Education.

A History of Education in Ancient India. By Prof. N. N. Mazumder. With an Introduction by E. E. Biss. *Macmillan*. Price 2s.
A Guide to the Education Act, 1918. By K. E. T. Wilkinson. With a Foreword by A. S. Rowntree. "*The Athenæum*" *Literature Department*. Price 1s. 6d.
The Gary Schools: A General Account. By A. Flexner and F. P. Bachman. New York: General Education Board. Price 25 cents.
Christianity and Industrial Problems. Being the Report of the Archbishops' Fifth Committee of Inquiry. Part I. *S.P.C.K.* Price 1s. net.

(Continued on page 136.)

*Designed to arouse the interest and
attention of the Pupil and to eliminate the drudgery*

FRENCH EDUCATIONAL BOOKS.

By PROF. VICTOR SPIERS, B. ès L., M.A., Professor of French
Language and Literature in King's College (University of London).

For PREPARATORY SCHOOLS, PUBLIC SCHOOLS, and UNIVERSITY COLLEGES.

ELEMENTARY.

N.B.—The prices are Net.

ADVANCED.

FIRST FRENCH BOOK for children. Third Edition. On modern lines, with conversations, music, and illustrations. Phonetic transcript. Large print. Demy 8vo, 235 pages. Price 3s. 9d. cloth. 3s. half-cloth boards.

DRILL ON THE ESSENTIALS OF FRENCH ACCIDENCE AND SYNTAX. New (8th) Edition, with many additional English Exercises. A complete Elementary Grammar containing the Conjugations and "drill" chiefly in French sentences, upon the important points, and rules, a short summary of which is given. Most handy for correspondence classes. Crown 8vo, 160 pages. Price 2s.

FRENCH VOCABULARIES for Repetition. Fourth Edition. Containing the 3,000 most important Words and Phrases logically grouped in tens and divided into two categories (elementary and advanced), with the most useful DERIVATIONS, preceded by a SHORT NOTE ON PRONUNCIATION, and followed by an APPENDIX on the different PREPOSITIONS required by French Verbs. Crown 8vo. Price 2s. PHONETIC (m.f.) TRANSCRIPT of same, 8d. Both bound together, 2s. 6d.

JUNIOR FRENCH RECITER. Fourth Edition. Extracts in Prose and Poetry from Classical Authors with PHONETIC TRANSCRIPT (m.f.) facing the text, with Notes, Questions on Grammar, and Outlines of Conversations and of free Written Exercises. Crown 8vo, 89 pages. Half-cloth, 1s. 8d.

SECOND FRENCH BOOK, on the same lines as the First French Book. Second Edition. Demy 8vo, 211 pages. Price 3s. 9d. cloth 3s. boards.

MAP OF PARIS, with monuments in elevation, useful for practice in conversation. Price 6d.

PRACTICAL FRENCH GRAMMAR. Fifth Edition. For Schools and Colleges. "A really practical and sensible Grammar," complete in its incompleteness." Crown 8vo, 194 pages. Price 2s. 6d.

SENIOR FRENCH RECITER, on the same lines as the Junior. Second Edition. Extracts from the Classical Authors of the Golden Age with Phonetic (m.f.) Transcript. Crown 8vo, 91 pages. Half-cloth, price 1s. 8d.

GRADUATED COURSE OF TRANSLATION INTO FRENCH PROSE for Middle and Higher Forms of Schools and for University Colleges. Sixth Edition, with appendix. 158 Extracts of convenient length, with carefully worked-out Correct Versions. Demy 8vo. Price 3s.—Key, 5s. 3d. in book—4s. 6d. printed on loose sheets ready for mounting, to teachers of recognized positions or to students, who send a written authorization from their teacher, on application, with remittance, to the author, c/o Mr. TAMBLYN, 116 Ladbroke Grove, London, W.10.—**Phonetic Transcripts** of Extracts, 1 to 83, mostly at 1d. each: apply to author.

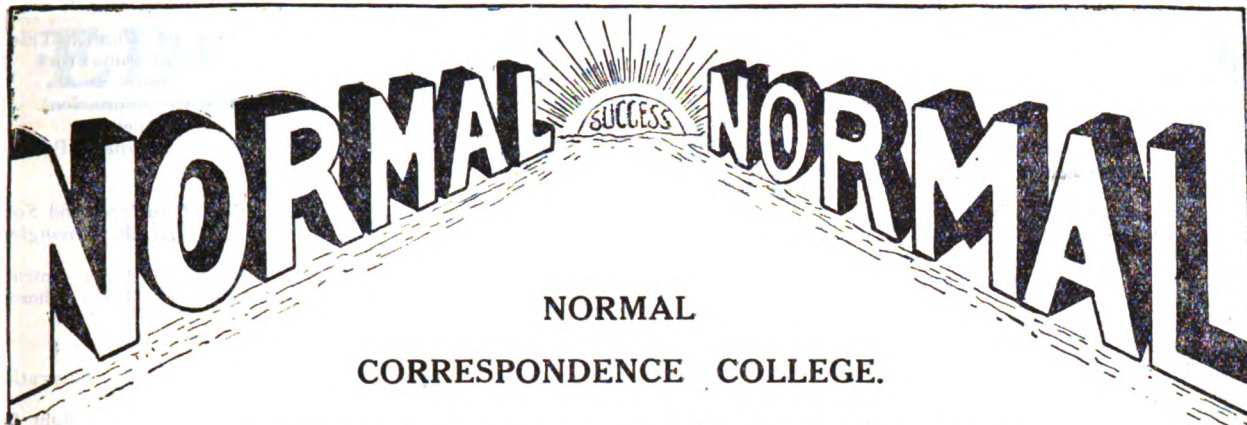
SHORT FRENCH HISTORICAL GRAMMAR AND ETYMOLOGICAL LEXICON (2,500 words.) For Schools and University Colleges. Crown 8vo. 265 pages. Price 6s.

GERMAN VOCABULARIES, on the same lines as the French Vocabulary. Crown 8vo, 102 pages. Half-cloth, price 2s.

HISTORY AND LITERATURE OF FRANCE IN SYNOPSIS TABLES AND ESSAYS for Higher Local and University Examinations. Price 7s. Or in Two Parts (i) History, (ii) Literature, 4s. 6d. each.

SPECIMEN COPIES at less than cost price to Teachers.

London: **SIMPKIN, MARSHALL, HAMILTON, KENT & Co., Ltd.**
4 STATIONERS' HALL COURT, E.C.4.



THE EFFICIENT AND SUCCESSFUL CORRESPONDENCE COLLEGE.

(FOUNDED 1889.)

THE NORMAL CONVERTS YOUR STUDY INTO A UNIVERSITY.

Founded nearly thirty years ago by teachers for teachers, the Normal stands to-day a monument to the fact that at its inception it was based upon right principles and built on sound methods. The Normal has stood the test of time, and is firmly established as the most reliable Correspondence College. The keystone of the Normal is the concentration of the efforts of most highly qualified and experienced Tutors on the requirements of the individual student. Thus the Normal converts your study into a University.

Expert Tuition is provided for :—

Pupil Teachers, Certificate (Preliminary and Final), Matriculation, Oxford and Cambridge Locals, L.L.A., The Professional Preliminary, A.C.P., L.C.P. Degree and Froebel Examinations, also for Single Subjects.

47 Melford Road, E. Dulwich, S.E.22, and 110 Avondale Square, London, S.E.1.

Geography in Education: Being a Report of the Results of Discussions held during the Short Course in Geography for Secondary Teachers at the University College of Wales, Aberystwyth. By Members of the Geographical Association. *Philip*.

Arnold's School Series.—Practical Hints for Junior Teachers. II: The Geography Lesson. *Arnold*. Price 6d.

Dietaries: Suitable for Secondary Schools, Colleges, Hostels, Clubs, &c. With Recipes, Notes, Quantities, and Weekly Expenditure (approximately 8s. per head). By D. C. Moore and C. E. Hecht ("Mr. Scrunch"). *National Food Reform Association*. Price 1s. 3d. net.

Arnold's School Series.—Practical Hints for Junior Teachers. I: Reading and Recitation. *Arnold*. Price 6d.

A Short Road to Intelligent Reading. By E. Bertha Tuck. *Jarrols*.

English.

University of Manchester Publications, No. LXX. English Series, No. III.—Patience: A West Midland Poem of the Fourteenth Century. Second edition, recast and partly rewritten. Edited by H. Bateson. *Longmans*. Price 5s. net.

Oral and Written Exercises in English Composition. By Robert S. Wood. *Macmillan*. Primary Book, price 6d.; Junior Book, price 7d.

English Prose from Bacon to Hardy. Selected and edited by Dr. E. K. Broadus and R. K. Gordon. *Milford*. Price 6s. net.

Geography.

W. and A. K. Johnston's War Map of the Western Front, showing Main Lines of Retreat and Advance, 1914-1918, along with German Territory affected by the Terms of the Armistice. *Macmillan*. Price 1s. net.

Philip's Two-sheet Imperial Map of Russia. *Philip*. Price 1s. 6d. net per sheet.

History.

The European Commonwealth: Problems Historical and Diplomatic. By J. A. R. Marriott. *Clarendon Press*. Price 15s. net.

The British Navy: The Navy Vigilant. By L. Cope Cornford. *Macmillan*. Price 2s.

The History of Aryan Rule in India: From the Earliest Times to the Death of Akbar. By E. B. Havell. *Harraf*. Price 15s. net.

When the Tide Turned: The American Attack at Château-Thierry and Belleau Wood in the First Week of June 1918. By O. H. Kahn.

A Primer of English Citizenship (Fourth impression). By Frederic Swan. *Longmans*. Price 2s. 6d. net.

A Child's Book of English Portraits. P. H. Warner. Price 5s. net.

Mathematics.

Solid Geometry, including the Mensuration of Surfaces and Solids (Fourth Edition). By Prof. R. S. Heath. *Rivingtons*. Price 4s.

Mathematical and Science Papers set at the Army Entrance Examination, November 1918. Edited by Terry Thomas. *Arnold*. Price 1s. 6d. net.

Miscellaneous.

Joe Doughty. By M. M. Guy. With eight full-page illustrations by T. M. R. Whitwell. *Black*. Price 5s. net.

Margot. By N. M. Chastel de Boinville. Containing eight full-page illustrations by Walter Paget. *Black*. Price 5s. net.

The Marne: A Tale of the War. By Edith Wharton. *Macmillan*. Price 3s. 6d. net.

How to Reduce your Income Tax by Liberty Currency. By A. E. Stilwell. *Hodder & Stoughton*. Price 1s. 3d. net.

The Writers' and Artists' Yearbook, 1918. Edited by G. E. Mitten. *Black*. Price 3s. 6d. net.

Must we Trade in Tenths? Being a Plea against Decimal and for Octaval Coinage, as more exactly fitting the wants and usage of all who make, grow, buy, or sell things. By A. Watkins. Hereford: *Watkins Meter Co.* Price 3d.

Man's Supreme Inheritance: Conscious Guidance and Control in Relation to Human Evolution in Civilization (Second Edition, Revised). By F. M. Alexander. With an Introductory Word by Prof. J. Dewey. *Methuen*. Price 7s. 6d. net.

Dreams: What They Are and What They Mean. Being a New Treatment of an Old Subject (Third Edition). By J. W. Wickwar. *Jarrols*. Price 2s. 6d. net.

(Continued on page 138.)

From MR. HERBERT RUSSELL'S LIST.

BOOKS FOR SECONDARY SCHOOLS AND THE OXFORD AND CAMBRIDGE LOCALS.

Inorganic Chemistry, both Practical and Theoretical, with Chemical Calculations and Graduated Questions. The best, latest, and cheapest textbook on the subject produced for the requirements of the University Locals. By S. W. BURNELL, LL.B., B.Sc., and A. J. DICKS, B.A., B.Sc. Crown 8vo, cloth, 379 pp. Price 4s. 6d. net.

Elementary Science. By J. H. NANCARROW, late Head Master of Kingston Public School of Science, and Lecturer at the Richmond School of Science. Crown 8vo, cloth, 354 pp. Price 4s. net.
Provides a thorough grounding in the elements of Physics, Mechanics, Heat, Light, Magnetism, Electricity, Chemistry, &c.

Plant Study in School, Field, and Garden. A textbook on Rural Science and Gardening. By J. S. BRIDGES, B.Sc., F.C.S., and A. I. DICKS, B.A., B.Sc., F.L.S. Head Master of Walthamstow County Secondary School. Crown 8vo, cloth, 432 pp. Price 4s. 6d. net.

This Botany textbook is of an experimental nature and free from difficult terms and Latinisms. Practical exercises and a summary appear at the end of each chapter. The book is profusely illustrated with over 600 original drawings.

Concurrent Practical and Theoretical Geometry. By W. J. POTTER, M.A. (Cantab.). Published in Three Parts. Part I, 2s. net; Part II, 2s. 6d. net; Part III, 3s. net. Detailed Prospectus post free on application.
Answers to the numerical and graphical examples in Parts I to III. Price 1s. net.

A Digest of British History. By S. H. McGRADY, B.A. With an Introduction by OSCAR BROWNING. Crown 8vo, cloth, 320 pp. Price 3s. 6d. net.

A History note book on original lines, the great movements, trends and developments being logically traced, and their influences being clearly shown.
Also published in Three Parts as under:—
Part I.—B.C. to 1485. Part II.—1485 to 1789. Part III.—1789 to 1912. Price 1s. 4d. net each.

For full particulars of Heaton's Geographies and Students' Shakesperian Texts, &c., see our Catalogue, post free on application to

HERBERT RUSSELL, 35 & 36 TEMPLE CHAMBERS, LONDON, E.C. 4.

The Principles of Model and Common Object Drawing and The Shadow Treatment of Outline Drawing. Being Book I

of "A Complete Course of Blackboard Drawing." By E. A. BRANCH, Art Master Central Secondary School, West Ham. Royal 4to, cloth, 98 pp. (New edition now ready). Price 4s. net.

"This book explains those rules of perspective which apply alike to the special geometrical models familiar to the art student, and to the common objects which he sees outside the class-room, the rules which govern the representation of the cylinder in the art school, the kettle in the kitchen and the band-stand in the park."

Freehand for Teachers & Art Students.

By E. A. BRANCH, Art Master, Central Secondary School, West Ham. Royal 4to, 79 pp. New edition now ready. Price 3s. 6d. net.

Contains Thirty-two Photographic Representations, including Inlays, Patterns in Pottery, Textiles, Repousse, Wrought Iron, Carved Work, and Natural Foliage, together with One Hundred Diagrams of Construction.

Milton's "Areopagitica." Edited by C. W. CROOK, B.A., B.Sc. With critical Introduction, full Text and Notes, Historical Appendix, Examination Questions, and Index to Notes. Crown 8vo, cloth, 152 pp. New edition now ready. Price 2s. net.

Bacon's "New Atlantis." With an Introduction and Notes by D. W. BEVAN. Crown 8vo, 68 pp. Interleaved. Price 1s. net.

The Acts of the Apostles. Edited by Rev. E. C. W. HANMAN, B.A. With Introduction, Notes, Glossary, Questions, Index, and a series of carefully graduated Examination Questions. Specially adapted for the Oxford and Cambridge Local Examinations. Crown 8vo, cloth, 168 pp. Price 2s. net.

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

OLD GYMNASIA

Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S

Several Recent Secondary School and Welfare Outfits.

SCHOOL CLINICAL

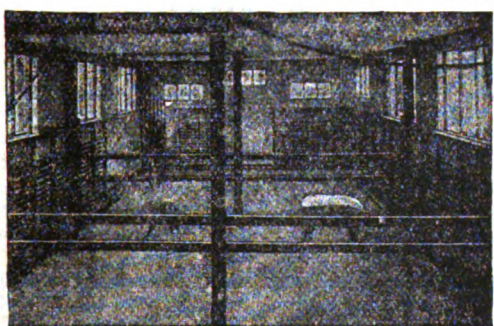
Plinths, Correction Belts, Head Suspension

A P P A R A T U S

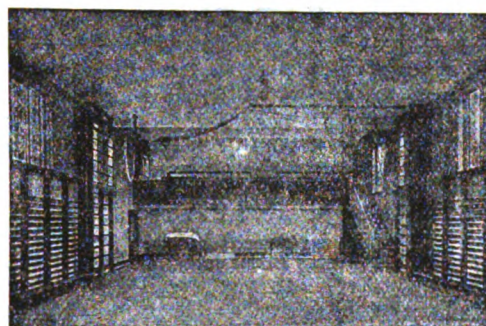
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12030.

- University Olympians: or, Sketches of Academic Dignitaries. By A. P. Heffer. Price 2s. 6d.
- A College Mystery: The Story of the Apparition in the Fellows' Garden at Christ's College, Cambridge. By A. P. Baker. Heffer. Price 3s. 6d. net.
- The Modern Office. By J. Stephenson. Methuen. Price 4s. 6d. net.
- Who's Who, 1919. Black. Price 30s. net.
- The Fourth Great War Number of the Fleet Annual and Naval Yearbook, 1918 (Thirteenth Year). Compiled by L. Yexley. Chapman & Hall. Price 4s. 6d. net.
- President Wilson: His Problems and His Policy. By H. Wilson Harris. Second Edition, Revised and Enlarged. Headley. Price 2s. 6d. net.
- A Short History of the S.P.C.K. By W. K. L. Clarke. S.P.C.K. Price 1s. net, paper; 2s. net, cloth.
- University of London.—Matriculation Examination Papers: Arithmetic and Algebra, Geometry, Mechanics, and Mathematics (more Advanced). From September 1915 to June 1918. With Answers. University of London Press. Price 2s. net.
- University of London.—Regulations for External Students, September 1918. University of London Press. Price 1s. 6d. net.
- University of London.—Matriculation Examination: English Papers. From September 1915 to June 1918. University of London Press. Price 1s. 6d. net.
- University of London.—The Calendar for the Year 1918-1919. University of London Press. Price 6s. net.
- Modern Languages.**
- Regnard: Le Joueur. Edited by A. Tilley. Cambridge University Press. Price 4s. net.
- Russian Fairy Tales: An Accented Russian Reader. With Notes and Vocabulary. By A. Brylinska, in collaboration with P. Smith. Kegan Paul. Price 4s. 6d. net.
- Oxford Spanish Plain Texts.—Eglogas de Garcilaso de la Vega (Edición Arreglada). Por J. Fitzmaurice-Kelly. En las Pressas de la Universidad de Oxford. Price 1s. 6d. net.
- The Oxford Spanish Series. Edited by Prof. J. Fitzmaurice-Kelly.—An Elementary Spanish Grammar. By E. Sanin Cano. Clarendon Press. Price 4s. 6d. net.
- Selections from Sainte-Beuve. Edited by Arthur Tilley. Cambridge University Press. Price 6s. net.
- Lesage.—Turcaret: Comédie. Edited by A. H. Thompson. Cambridge University Press. Price 6s. net.
- A New Italian Grammar: For the Use of Schools, Commercial Colleges, and Universities. By Dr. E. Grillo. Blackie. Price 6s. net.
- Religious Knowledge.**
- Evolution and the Doctrine of the Trinity. By S. A. McDowall. Cambridge University Press. Price 9s. net.
- Laus Deo: Hymns of Peace and Goodwill. S.P.C.K. Price 1½d. net.
- Man's Redemption of Man: A Lay Sermon. By William Osler. Constable. Price 7d. net.
- Science.**
- A Treatise on Gyrostatics and Rotational Motion: Theory and Applications. By Prof. A. Gray. Macmillan. Price 42s. net.
- Everyman's Chemistry: The Chemist's Point of View and his Recent Work Told for the Layman. By Ellwood Hendrick. University of London Press. Price 8s. 6d. net.
- A Manual of Elementary Zoology (Second Edition). By L. A. Borradaile. Frowde; Hodder & Stoughton. Price 16s. net.
- The Origin and Evolution of Life on the Theory of Action, Reaction, and Interaction of Energy. By Prof. H. F. Osborn. Bell. Price 25s. net.
- Tommy Smith Again at the Zoo. By Edmund Selous. Methuen. Price 2s. 9d.
- A Health Reader for Girls. By Agnes E. Stenhouse and E. Stenhouse. Macmillan. Price 3s.
- Notes and Question Papers to Supplement the Pupil's Own Laboratory Notes.—Chemistry Notes and Papers for School Use. By G. N. Pingriff. Part I: Introductory and First-year Work. In Nine Sections (A to I).—Part II: Second-year Work. In Seven Sections (A to G).—Part III: Third-year Work. In Eight Sections (A to H). "Geographia," Ltd. Price 2s. 3d. net each.
- A School Chemistry Method: Being the Teacher's Supplement to "Chemistry Notes and Papers." Parts I, II, and III. By G. N. Pingriff. "Geographia," Ltd. Price 1s. 9d. net.

MODERN LANGUAGES.

The following are a few books selected from GINN AND COMPANY'S Modern Language list. A complete illustrated catalogue of Modern Language publications, containing particulars of some 180 texts, can be obtained post free on application to the Publishers.

FRENCH.

- Cornaille: Le Cid.** Edited, with Introduction, Notes, and Vocabulary, by C. SEARLES. 2s. 3d. net.
- Daudet: Le Petit Chose.** Abridged and Edited, with Notes, Exercises, and Vocabulary, by O. B. SUPER. 2s. 6d. net.
- Labiche et Martin: Voyage de Monsieur Perrichon.** Edited, with Introduction, Notes, Exercises for Composition, Questions, and Vocabulary, by I. SPIERS. 1s. 6d. net.
- La Fontaine: One Hundred Fables.** Edited, with Notes and Vocabulary, by O. B. SUPER. 2s. 3d. net.
- Molière: L'Avare.** With Introduction, Notes, and Vocabulary. 2s. 3d. net.
- Molière: Le Bourgeois Gentilhomme.** Edited, with Introduction, Notes, and Vocabulary, by T. E. OLIVER. 2s. 3d. net.
- Molière: Les Précieuses Ridicules.** Edited, with Introduction, Notes, and Vocabulary, by W. M. DAVIS. 2s. 6d. net.
- Racine: Andromaque.** Edited, with Introduction, Notes, and Vocabulary, by C. SEARLES. 2s. 3d. net.

SPANISH.

- Knapp: Modern Spanish Grammar.** 7s. 6d. net.
- Marcial Dorado: Primeras Lecciones de Español.** Illustrated. 4s. net.
- Marcial Dorado: España Pintoresca.** Illustrated. 4s. net.
- Harrison: Spanish Commercial Reader.** 4s. net.
- Spencer: Trozos de Historia.** 3s. 6d. net.

GERMAN.

- Freitag: Die Journalisten.** Edited, with Introduction, Notes, and Vocabulary, by L. R. GREGOR. 2s. 6d. net.
- Goethe: Hermann und Dorothea.** Edited, with Introduction, Notes, Exercises, and Vocabulary, by P. S. ALLEN. 3s. net.
- Goethe: Iphigenie auf Tauris.** Edited, with Introduction, Notes, Exercises, and Vocabulary, by P. S. ALLEN. 3s. net.
- Goethe: Poems.** Edited by M. SCHUTZE. 4s. net.
- Grillparzer: Sappho.** Edited, with Introduction and Notes, by C. FERRELL. 2s. 3d. net.
- Kleist: Prinz Friedrich von Homburg.** Edited, with Introduction, Notes, and Bibliography, by J. S. NOLLEN. 2s. 9d. net.
- Lessing: Minna von Barnhelm.** Edited, with Introduction, Notes, and Vocabulary, by MINCKWITZ and WILDER. 2s. 6d. net.
- Schiller and Goethe, Selections from Correspondence between.** Edited, with Introduction and Notes, by J. G. ROBERTSON. 3s. net.
- Schiller: Jungfrau von Orleans.** Edited, with Introduction, Notes, and Vocabulary, by P. S. ALLEN. 3s. 6d. net.
- Schiller: Maria Stuart.** Edited, with German Comments, Notes, and Questions, by MÜLLER and WENCKEBACH. 4s. 6d. net.

ITALIAN.

- Phelps: An Italian Grammar.** 5s. 6d. net.
- Goggio: Due Commedie Moderne.** "O Bere o Affogare" and "Lumie di Sicilia." With Notes and Vocab. 2s. 3d. net.

GINN AND COMPANY, 9 St. Martin's Street, Leicester Square, London, W.C.2.

Completion of the Cambridge Bible for Schools and Colleges

GENERAL EDITORS: A. F. KIRKPATRICK, D.D., and R. ST JOHN PARRY, D.D.

The Old Testament complete in 34 vols. **The New Testament** complete in 19 vols.
With introductions, notes, and maps.

Three of the books of the **Apocrypha**, viz.:—*The Wisdom of Solomon*, *Ecclesiasticus*, and
Maccabees I, have also been issued in the Series.

A prospectus giving a list of the volumes and prices will be sent on request

CAMBRIDGE UNIVERSITY PRESS

Fetter Lane, London, E.C.4: C. F. CLAY, Manager

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 65 South Molton Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

EDUCATIONAL BOOKS PRE-WAR PRICES.

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

All Persons Interested in Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

PLIMSOLLS.

Owing to the shortage of these shoes we have brought out a substitute, a plain black canvas one-strap shoe with "jute soles," a shoe that will wear well for drill or play. Having no rubber in them, they will not "draw" the feet. Sizes run from 12's child's to 7's ladies, all one price, 3s. a pair. A sample shoe will be sent to Mistresses for approval, and orders booked in rotation for the coming Term.

MADDOCK & SON,
SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.



LONDON UNIVERSITY SCHOOL EXAMINATIONS AND OXFORD AND CAMBRIDGE LOCALS.

A Selection of Suitable Class Books.

MATHEMATICS AND SCIENCE.

- Algebra, Junior.** By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. **3s. 6d.** With Answers, **4s.**
"Maintains a high standard of excellence we are accustomed to expect from so well known a source."—*Journal of the Assistant Masters' Association.*
- Algebra, School (Matriculation Edition).** By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **5s. 6d.**
"As a school text-book, this volume has much to recommend it, the examples and test-papers being carefully chosen."—*Mathematical Gazette.*
- Arithmetic, The Junior.** By R. H. CHOPE, B.A. With or without Answers. *Third Edition.* **3s. 6d.**
"No better Arithmetic for school work has come into our hands."—*Educational News.*
- Arithmetic, The School.** By W. P. WORKMAN, M.A., B.Sc. With or without Answers. *Second Edition.* **4s. 6d.**
"The best arithmetic for schools on the market."—*Mathematical Gazette.*
- Botany, Junior.** By FRANCES CAVERS, D.Sc. **3s. 6d.**
"Dr. Cavers has achieved a useful little book."—*Journal of Botany.*
"A very excellent volume. Practical to a high degree. The diagrams are very good."—*Schoolmaster.*
- Botany, Senior.** By FRANCIS CAVERS, D.Sc. **5s. 6d.**
"Admirably designed to portray the plant as a living entity, to indicate how structure is subservient to function, and to show what conditions and purpose underlie the manifold variations which plants assume."—*Nature.*
- Chemistry, Junior.** By R. H. ADIE, M.A., B.Sc. *Second Edition.* **3s. 6d.**
"The book offers a thoroughly sound course of practical instruction."—*Nature.*
- Chemistry, Senior.** By G. H. BAILEY, D.Sc., Ph.D., and H. W. BAUSOR, M.A. *Second Edition.* **5s. 6d.**
"The ground is well covered on experimental lines."—*Guardian.*
- Chemistry, Senior Practical.** By H. W. BAUSOR, M.A. **3s. 6d.** Including preparations, experiments on action of heat, quantitative and qualitative analysis.

- Geometry, Junior.** By A. G. CRACKNELL, M.A., B.Sc. **3s. 6d.**
"A simple treatment of the elements of geometry."—*Schoolmaster.*
- Geometry, The School.** By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. **4s. 6d.**
Also in Two Parts—Part I (Euclid I, III 1-34, IV 1-9). **2s. 9d.** Part II (Euclid II, III 35-37, IV 10-16, and VI). **2s. 9d.**
"Combines the theoretical and practical in a most interesting manner, and shows on every page the skill and care with which the material has been put together."—*School World.*
- Heat, Junior.** By JOHN SATTERLY, D.Sc., M.A. **2s. 9d.**
"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal.*
- Heat, Senior.** By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. **4s.**
"The information is accurate and up to date."—*The Journal of Education.*
- Magnetism and Electricity, Junior.** By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**
"Makes a special point of fundamental principles, and is especially adapted to the needs of pupils making a start in the subject."—*Educational Times.*
- Magnetism and Electricity, The School.** By R. H. JUDE, D.Sc., M.A. **4s. 6d.**
"From first to last there is an originality of treatment which makes it interesting reading."—*Nature.*
- Mechanics, Junior.** By F. ROSENBERG, M.A., B.Sc. **3s. 6d.**
"The book possesses all the good qualities of its fellows."—*Schoolmaster.*
- Science, Junior Experimental.** By W. M. HOOTON, M.A., M.Sc., F.I.C., Chemistry Master at Repton School. **3s. 6d.**
"We can recommend the work heartily."—*Secondary Education.*
- Sound and Light, Senior.** By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. **5s.**
"The treatment is lucid and concise, and thoroughly in accordance with the most recent methods of teaching elementary physics."—*Nature.*

LANGUAGES, HISTORY, AND GEOGRAPHY.

- English Composition, Junior.** By E. W. EDMUNDS, M.A., B.Sc., Senior Assistant Master at Luton Modern School. **2s.**
"This excellent manual makes plain for the young pupil the essentials of good writing. Can be heartily recommended."—*Education.*
- English Composition, Senior Course of.** By E. W. EDMUNDS, M.A., B.Sc. *Second Edition.* **3s. 6d.**
"A very useful book for practical classroom purposes."—*Schoolmaster.*
- English Course, The Matriculation.** (Composition, Précis-writing, Paraphrase, and Analysis of Sentences.) By W. H. LOW, M.A., and JOHN BRIGGS, M.A. *Third Edition.* **4s. 6d.**
"Admirably fulfils its purpose. The chapters on précis-writing and indexing are excellent."—*Westminster Review.*
- English Grammar, Junior.** With Parsing and Analysis. By A. M. WALMSLEY, M.A. *Second Edition.* **2s.**
"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*
- French Course, New Junior.** By G. A. ROBERTS, M.A., Head Master, Russell Hill School, Purley. **3s. 6d.**
"The book becomes a serious rival to those existing."—*Schoolmaster.*
- French Course, Senior.** By Professor WEEKLEY, M.A., and CLAUDE GILLI, B.A. **4s. 6d.**
"A model of clearness and simplicity."—*The Journal of Education.*
- French Essays, Matriculation.** (Free Composition.) By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A. **2s.**
"A serviceable and well-graded book."—*School World.*
- French Reader, New Junior.** By J. P. R. MARICHAL, L. ès L., and L. J. GARDINER, M.A. **2s. 9d.**
"Consists of well-chosen literary extracts in French."—*Education.*
- French Reader, Senior.** With Introduction, Notes, and Vocabulary. By R. F. JAMES, B.A. **3s. 6d.**
"This is a splendid reader."—*Schoolmaster.*
- Geography, Junior.** By G. C. FRY, M.Sc. **3s. 6d.**
"A concise book of geography on modern lines. The diagrams are bold and convey definite visual instruction directly illustrating the text."—*Education.*
- Geography, Text-book of.** By G. C. FRY, M.Sc. *Second Edition, Revised and Enlarged.* **5s. 6d.**
"The compilation is by no means one of mere geographical facts: the 'why' and the 'wherefore' are everywhere in evidence."—*Schoolmaster.*
- History of England, School.** By M. E. CARTER, Honour School of Modern History, Oxford. **4s. 6d.**
"The essential outlines of the subject are presented in the most easily digestible form."—*Guardian.*
- English History, Groundwork of.** By M. E. CARTER, Honour School of Modern History, Oxford. **2s. 9d.**
"A very readable outline of the salient facts of English History. The material is well arranged and the language is simple."—*Educational News.*
- Social History of England, A.** By FREDERICK BRADSHAW, D.Sc., M.A. **5s.**
An elementary account of the social and economic development of England.
"A book of high authority and serviceableness."—*The Journal of Education.*
- Latin Authors, Selections from. Senior Edition.** By A. F. WATT, M.A., and B. J. HAYES, M.A. *Third Edition.* **3s. 6d.**
"It is quite an interesting selection, and well done."—*School World.*
- Latin Course, New Junior.** By J. V. THOMPSON, M.A., and L. M. PENN, M.A. **4s. 6d.**
"A very successful compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*
- Latin Course, Senior.** By A. J. F. COLLINS, M.A., and ALFRED ROBINSON, B.A. **4s. 6d.**
"The book is business-like and well arranged."—*Guardian.*
- Latin Reader, New Junior.** By A. J. TATE, M.A. **2s. 9d.**
"Mr. Tate has shown great judgment in the extracts he has chosen."—*Bookseller.*

Complete Educational Catalogue, and Catalogue of Class Books for Secondary Schools, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

London: Printed by C. F. HODGSON & SON, Newton Street, Kingsway, W.C.2; and Published for the Proprietors by WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

No. 596.
Vol. 51. WITH SUPPLEMENT.

LONDON, MARCH 1, 1919.

PRICE 8D.; BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

April 1919 issue ready on March 31.
Advertisement scale is on page 163. The
latest time for prepaid Advertisements is
MARCH 22.

SCHOLARSHIP NOTICES.

See pp. 147 and 148.

PHYSICAL TRAINING.

See pp. 143, 146, 148.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below.
UNIVERSITY TUTORIAL COLLEGE,
See p. 143.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
NEW PREMISES: 9 & 10 Brunswick Sq., London, W.C.1.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.

Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced.

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.
When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W. 1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).
Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.
Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

THE
COLLEGE OF PRECEPTORS
Incorporated by Royal Charter
BLOOMSBURY SQUARE, LONDON, W.C.1.

LECTURES FOR TEACHERS

Professor John Adams will deliver a
Course of Twelve Lectures for Teachers
on Educational Psychology, beginning
on Thursday the 6th of February:

(1) Aim and Methods of Psychology,
(2) The Perceptual Plane, (3) The Con-
ceptual Plane, (4) Memory, (5) Imagina-
tion, (6) The Control of Consciousness,
(7) Instinct and Habit, (8) The
Unconscious and its Implications,
(9) Personality and Temperament,
(10) The Affective Aspect, (11) The
Conative Aspect, (12) Experimental
Psychology.

Members of the College have free
admission to the Course.

The full Syllabus and particulars
concerning Membership may be ob-
tained from the Secretary.

University Correspondence College.

(Founded in 1887.)

PRINCIPAL:

WILLIAM BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.

LONDON UNIVERSITY DEGREES

(Graduates of British Universities and holders
of certain Diplomas can register as matriculated
students of London University without passing
the Matriculation Examination.)

A Short Guide

to London University Examinations, giving
full Particulars of Courses and Fees, post
free to Private Students from—

THE SECRETARY,

No. 14 BURLINGTON HOUSE, CAMBRIDGE

University Examination Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1918 - **1893**

Candidates in various Groups: **205** First
Class; **368** Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-18 **43**
(Only two failures.)

Oxford Higher Local, 1903-18 - **178**
Candidates in various Sections.

M.D. (Lond.), 1901-18 - **232**
(Including **8** Gold Medallists
during 1913-1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1918-19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION. A SUMMER SCHOOL

will be held during the first three weeks in August at Westfield College, University of London.

Further particulars may be obtained from the Secretary, 4 Bloomsbury Square.

All Persons Interested in Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

BERKELEY SMALLER HISTORY OF ROME.

From the Earliest Times to the Fall of the Western Empire.

320 pp. and Coloured Map. Cloth Binding. 3s. net.

"Very well done, and likely to be very useful. This is what I expected from the larger history, which is used here with great benefit to the pupils."—*Head Master of Haileybury College.*

MR. JOHN DAVIS, 13 Paternoster Row, London, E.C.4.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

A BERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—
Miss C. P. TREMAIN, B.A.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from 40 guineas per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

UNIVERSITY of ST. ANDREWS. UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 65 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

BATH.

TWO or three Ladies taken as
Paying Guests in comfortable private house with garden. Within easy reach of baths, city, and stations. Moderate inclusive terms.—Miss RUTHERFORD, Green Park.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

LEIGH, ESSEX.

FOUR Paying Guests received in very comfortable home. Finest situation, in one of the healthiest districts in England—Leigh, Essex. 50 minutes from town. Five minutes from sea, trains, trams, open country. Address—No. 10, 735.*

ROYAL ACADEMY OF MUSIC.

EXAMINATION in VOICE CULTURE and CLASS SINGING, CHRISTMAS, 1918.

THE following candidates were successful:—

Frederick William Dixie (Honours), James Easson, Lyle Neave, Gertrude Mary Winstanley.

Examiners: John E. Borland, Mus. Doc. Oxon., and Henry W. Richards, Mus. Doc. Duclm.

P. QUARRY,

Acting Secretary.

LONDON, W.C.1.

30. 31. &c., UPPER BEDFORD
PLACE, RUSSELL SQUARE,
W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL,
21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegrams: "Baggage, London." Phone: Gerrard 4715.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB,
9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

THACKERAY HOTEL, opposite
British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.2.

LADIES' INTERNATIONAL
CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence
for young men in nice home; good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

MISS LAURA SMITHSON,

L.R.A.M.: Elocution A. Summer School held at Stratford-on-Avon during Festival. Recommended by Sir Frank Benson, Miss Lilian Baylis, Ben Greet, Esq., William Peel, Esq., Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M., Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W.8.

TOILET ROLLS.—Full size, best quality paper, perforated, 1s. 6d. Postage—1, 4d.; 2 or 3, 6d.; 4 to 8, 9d.; 9 to 12, 1s.; 24, carriage paid.—LYNWOOD'S, LTD., 29 Wardrobe Chambers, Carter Lane, E.C.4.

THE LECTURE FOR TEACHERS on The Use of Rhythmic Movement in the Class Teaching of Recitation given by Miss GERTRUDE INGHAM on July 6th will be repeated (with fresh examples) in the Lecture Theatre at BIRKBECK COLLEGE, Broom's Buildings, Chancery Lane, E.C.4., on SATURDAY, MARCH 29th, 1919, commencing at 3 p.m. and ending at 4.30 p.m. Examples will be given by a class from Moira House Girls' School, Eastbourne.

Admission will be by tickets obtainable in advance by sending 1/- for each ticket and a stamped and addressed envelope to THE DALCROZE SCHOOL OF EURHYTHMICS, Ltd., 23 Store St., W.C.1.

Tickets will not be on sale at the door.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.**

**SCHOLASTIC AGENCY for
JUNIOR FORM AND KINDERCARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
KINGSFIELD,
DARTFORD HEATH, KENT.**

Trustees:

Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.

Principal:

Miss H. C. GREENE.

Vice-Principal:

Miss A. WIKNER (Royal Cent. Inst. of Gymnastics, Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course extends over two years. It includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 15 acres, in a beautiful and healthy locality close to Dartford Heath.

The demand for mistresses of physical training holding the Diploma of this College is at present far in excess of the supply.

The course begins in **October**. Further particulars may be obtained on application to the SECRETARY.

**BERGMAN ÖSTERBERG
UNION OF TRAINED GYMNASIAC TEACHERS.**

Ling's Swedish System.

Aim of the Union: To advance the cause of Physical Education on scientific lines.

In placing members of this Union as Teachers in Schools, careful and discriminating choice is exercised, and the exact requirements of each School specially considered.—PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.

**INTERNATIONAL GUILD.
6 RUE DE LA SORBONNE, PARIS.**

CLASSES in the French Language, Literature, History, and Phonetics.
Students are prepared for the Certificat d'Etudes Française of the Sorbonne, and the Diplôme d'Etudes Françaises of the Guild.
For further information apply to the SECRETARY.

**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours, London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the HEAD MISTRESS.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of all grades should apply to—THE EDUCATION SECRETARY, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.1.

**University Tutorial College.
LONDON.**



**LONDON
MATRICULATION.**

Morning, Afternoon, and Evening Classes for the June and September Examinations can be taken up at any time.

**SCIENCE CLASSES
DURING
EASTER VACATION.**

Practical Classes in Chemistry, Physics, and Botany commence on Monday, April 14th, and extend to Friday, May 2nd.

During the Period of the War over 1,000 successes have been gained by U.T.C. Students in Public Examinations, including 663 successes at London University.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from
THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
32 RED LION SQUARE, HOLBORN, W.C.1.



**THE
ASSOCIATED BOARD
OF THE
ROYAL ACADEMY OF MUSIC**

AND THE
**ROYAL COLLEGE OF MUSIC
FOR LOCAL EXAMINATIONS IN MUSIC.**

Patron: HIS MAJESTY THE KING.

LOCAL CENTRE EXAMINATIONS (Syllabus A).
Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the November-December Examinations close Wednesday, October 15th, 1919.

SCHOOL EXAMINATIONS (Syllabus B).
Held throughout the British Isles three times a year, viz., June-July, October-November, and March-April. Entries for the June-July Examinations close Wednesday, May 7th (Irish entries, April 30th), 1919.

The Board offers annually SIX EXHIBITIONS, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.
Syllabuses A and B, Entry Forms, and any further information will be sent post free on application to—

JAMES MUIR, Secretary,
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA. LONDON."

SPECIAL CORRESPONDENCE COURSES:

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. 163 Correspondence Students, 1910-19, dents successful.

Mr. E. H. BIBBY, Mus. Bacc., L.R.A.M., A.R.C.M.,
c/o Forsyth Bros., Deansgate, Manchester.

**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.**

President: **SIR FRANK BENSON,**
Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.,**
Royal Albert Hall, Kensington Gore S.W.7.

**COURSES OF DRAMATIC
AND
TECHNICAL TRAINING,
VOICE TRAINING,
ENGLISH PHONETICS,
CURE OF SPEECH
DEFECTS,
RECITATION,
PUBLIC SPEAKING.**

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

**ASSOCIATION OF TEACHERS
OF
SPEECH TRAINING.**

Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.

President:

Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, South Kensington, S.W.7.

Secretary:

Miss WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply — Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 141, [Halls of Residence] 142, 143, 145, [Physical Training] 143, 146, 148, [Scholarships] 147, 148, 155, 159, 175, 176, 191, 193, 199.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN,
UNIVERSITY OF LONDON),

CAMPDEN HILL ROAD, W. 8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

ST. GEORGE'S TRAINING COLLEGE (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON)

Chairman of Council: The Rev. W. TEMPLE.
Principal Elect: Miss B. S. PHILLIPPS, M.A.
Acting Principal: Miss A. W. RICHARDSON.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident from £95 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years (including a special Scholarship for Classics) will be offered for competition at an Examination to be held May 20th-23rd, 1919. Applications for entrance should be sent in before May 5th.

For Calendar and further particulars apply to the ACTING PRINCIPAL, Westfield College, Hampstead, N.W.3.

MRS. CURWEN'S PIANO-FORTE METHOD. EAR TRAINING AND SIGHT SINGING FROM SOL-F-A AND STAFF.

Training Classes for Music Teachers and Student Teachers are held at Wigmore Hall Studios, Wigmore Street, W.1, by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M., on Wednesdays and Saturdays. Write for syllabus to either teacher at the studio.

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION. In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Associate, Girton College, Cambridge, Cambridge Teachers' Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diplomas and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salisbury Road, Brondesbury, London, N.W. 6.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

PRINCIPAL: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARTH ROAD, WEST KENSINGTON, LONDON, W. 14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W. 4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.
2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.
3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.
4. TRAINING DEPARTMENT for Teachers of Housecraft. Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

Institut Français du Royaume Uni (UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W. 2.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

SPEECH TRAINING SCHOOL, For TEACHERS OF ELOCUTION AND REOITERS,

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD

(with an Advisory Council).

A SPECIAL COURSE to prepare students for Teaching Posts (Visiting, Residential, or Staff Appointments), and for Recitals. Private Tuition, Schools Visited, Stammering Treated. Lip-reading for the Deaf. Class for Teachers and Students of English Subjects. York and Harrogate weekly. Prospectuses forwarded.

MEDICAL PRELIMINARY EXAMINATIONS

THE University Examination Postal Institution

provides courses in preparation for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes.

Oral lessons are also given.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C. 1.

TRAINING COLLEGES and Technical Schools.

See also pages 141, [Halls of Residence] 142, 143, 144, [Physical Training] 143, 146, 148, [Scholarships] 147, 148, 155, 159, 175, 176, 191, 193, 199.

Northern Counties
Training School of Cookery
and Household Economy,
 NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.

School year began September.

BIRKBECK COLLEGE

BREAMS BUILDINGS, CHANCERY LANE, E.C. 4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)
 FOR DEGREES IN

ARTS, SCIENCE, ECONOMICS, LAWS,
 under Recognized Teachers of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.
GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10. 10s.; Science, £17. 10s.
 Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

SOCIETY FOR THE STUDY OF ORTHOPSYCHICS.

President:
 Professor T. PERCY NUNN, M.A., D.Sc.

TRAINING COURSE

IN APPLIED PSYCHOLOGY:

Practical study of Character and of the psychological fundamentals of social work (Education, Criminology, &c.).

All particulars of the HON. SEC.,
 30 Brunswick Square, W.C.1.

**THE LONDON INSTITUTE FOR THE
 ADVANCEMENT OF PLAIN NEEDLEWORK.**
 92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Needlework
 are held in January, May, and October.

For Dressmaking in June and November.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

BEDFORD COLLEGE FOR WOMEN

(University of London),

REGENT'S PARK, N.W.1.

SECONDARY TRAINING DEPARTMENT.

Recognized as a Training College by the Board of Education,
 the University of London, and the Cambridge Syndicate.

For particulars of Scholarships and Bursaries apply to the Head of the Department,
 Miss S. MELHUSH, Final Hist. Hons. Oxon., M.A. Vict., London Diploma in Pedagogy
 (University Reader in Education).

BATTERSEA POLYTECHNIC, LONDON, S.W.11.

DOMESTIC SCIENCE TRAINING DEPARTMENT.

Recognized by the Board of Education for the
 Training of Teachers.

Head of Department: Miss MARY E. MARSDEN.

FULL Courses of Training for
 Teachers of Cookery, Laundrywork, House-
 wifery, including Infant Care, Science applied to
 Housecraft, Needlework, Dressmaking, and Millin-
 ery.

Training for Housekeepers and School Matrons.
 Hostels for Students.

For particulars of Curricula, Fees, Scholarships,
 and Hostels, apply to the SECRETARY.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management,
 Cooking.

Extensive grounds; Royal Horticultural
 Society's Exam. Comfortable home life;
 games. For prospectus apply—Miss COR-
 NELIUS WHEELER, N.D., Hort., F.R.H.S.
 School removed from Hampshire after
 being established 15 years.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals { Miss C. CRACKNELL, late of Swanley
 Horticultural College.
 Miss F. COLLINS.

PRACTICAL and Theoretical Train-
 ing in Gardening: Fruit, Vegetables, and
 Flower Growing; Glasshouse and Frame Work.
 Course of two years; also Shorter Courses. Poultry
 (extensive and intensive); Milking; Butter-making;
 Bee-keeping. Preparation for R.H.S. Particularly
 successful with young students.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS, 23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams: "Eurhythm, London." Telephone: Museum 2294.

In the Teachers' Training Course the School year
 begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

LECTURES ON ART. Single or
 in Series. London and the provincial
 capitals. For prospectus and terms address—Miss
 A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

GUILD OF EDUCATION AS NATIONAL SERVICE.

THE HALSEY TRAINING COLLEGE.

Recognized by the Board of Education.

PREPARATION for work in Day
 CONTINUATION SCHOOLS for FACTORY
 and Town Workers at Canning Town, E., where
 there are Voluntary Continuation Classes at the
 Hostel.

There is also now an "Education and Recreation
 Centre" for Unemployed Factory Girls at Canning
 Town.

Preparation for work in similar schools for rural
 and FARM workers at Kenton, near Harrow, where
 there is a large market-garden farm.

Board of Education Grants, available for Graduates
 and for Certificated Teachers (men and women).
 Ministry of Pensions Grants for Training given to
 demobilized men.

Free Public Lecture, March 25th, at 6.30 p.m., at
 11 Tavistock Square, W.C.1, by Miss MARY NEAL,
 on "Folk Art and Personality." Apply for further
 particulars, Hon. Sec., Guild of Ed. as N.S., 11
 Tavistock Square, W.C.1.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
 dry, bracing, and sunny.

The aim is to give a sound educa-
 tion to Girls on Public School lines.

One of the five houses is set apart
 for Juniors under 14 years of age.

Well equipped classrooms, laboratory,
 gymnasium, and good playing field.

Illustrated Prospectus on application to
 the Head Mistress.

EDUICATED GIRLS thoroughly
 trained for permanent and well paid Secre-
 tarial and Journalistic Appointments. Prospectus—
 Miss IRONSIDE, Training Bureau, 50, Lincoln's Inn
 Fields, W.C.2.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics). FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastics and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GEORGE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD (President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION FOR WOMEN. (SWEDISH SYSTEM.)

Chairman of the Governing Body: The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Apply for Prospectus to Miss DORETTE WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE, WALLINGTON, SURREY.

Complete training, on Arvedson's Principles, in all branches of Educational and Remedial Gymnastics and Massage; also Dancing, Fencing, Games, &c.

Students will be accepted in January for the two years' course; they must be well educated.

New term 7th January.

Full particulars and Prospectus on application.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS' GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAFFAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfold, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

See advertisement on page 143.



THE INCORPORATED BRITISH COLLEGE of PHYSICAL EDUCATION.

Until further notice all inquiries should be addressed to—

Mr. FRANK H. GELLING,
Hon. Secretary,
41a Lyric Road, Barnes, London,
S.W. 13.

PHYSICAL TRAINING COLLEGE,
QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W. 7.

EDUCATED GIRLS TRAINED as TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PHYSICAL TRAINING COLLEGE (Ling's Swedish System.)

BATTERSEA POLYTECHNIC, S.W. 11.

THREE YEARS' COURSE of Training for Teachers of Swedish, Educational, and Remedial Gymnastics. Games, Dancing, &c. Diplomas granted. FEE—£75 for the complete Course.

ONE YEAR COURSE of Training in Swedish. Remedial, Exercises, and Massage. Excellent opportunities for Clinic and Hospital Work. Students are prepared for the Examinations of the I.S.T.M. FEES from £25, according to subjects taken.

For particulars of Curricula, Scholarships, Hostels, &c., apply to the SECRETARY.

ANSTEY PHYSICAL TRAINING COLLEGE, ERDINGTON,

offers well-educated women complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches. Games, Swimming, Anatomy, Hygiene, &c.

Residential Fees: £100 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

Physical Training Advertisements are continued on page 148.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

ROYAL HOLLOWAY COLLEGE. (UNIVERSITY OF LONDON.)

Principal: Miss E. C. HIGGINS, B.A.

ENTRANCE SCHOLARSHIPS.

TWELVE ENTRANCE SCHOLARSHIPS, from £50 to £60, and several Bursaries of not more than £30, tenable for three years at the College, will be awarded on the results of an Examination to be held from June 30th to July 5th. Names must be entered before May 24th, 1919. The College prepares Women Students for the London Degrees. Inclusive fee, £108 a year. For terms of entry and further particulars apply to the SECRETARY, Royal Holloway College, Englefield Green, Surrey.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

CRANBROOK SCHOOL, KENT

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

NEWNHAM COLLEGE.—TWO

SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £30 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

KING'S SCHOOL, CANTERBURY.

—ENTRANCE and KING'S SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

BRADFIELD COLLEGE.

AN EXAMINATION for

ENTRANCE SCHOLARSHIPS and EXHIBITIONS open to Boys under 15 on September 20th, 1918, will be held on June 4th.

Further information can be obtained from the HEAD MASTER, Bradfield, Berkshire.

ST. BEES SCHOOL,

CUMBERLAND.—The next Examination for SCHOLARSHIPS will be held in March 1919. For particulars apply to the BURSAR.

BRIGHTON COLLEGE.—An

Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRI-

CAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;

Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

MALVERN COLLEGE.

TWELVE OR MORE
ENTRANCE SCHOLARSHIPS,
value £87 to £30, and some Exhibitions, value £25 to £12, will be awarded by Examination to be held on
JUNE 3, 4, and 5, 1919.

Particulars of these and of certain valuable War Exhibitions (awarded without examination), from the HEAD MASTER or BURSAR.

MONMOUTH SCHOOL

THERE are TEN FOUNDATION

SCHOLARSHIPS of the value of £30 a year: also HEAD MASTER'S EXHIBITIONS, £15 to £25, offered to sons of Clergymen or Officers of His Majesty's Army or Navy.

The Scholarship Examination will be held on March 25th–27th. In special cases arrangements can be made for the papers to be done at Private Schools.

The School has a large endowment, and the School Fees are exceptionally low—£10 a year. The Boarding Fees are £50 in both Houses. In the New House these Fees are inclusive; in the School House there is also a terminal charge of 30/- for Games, Medical Attendance, and Laundry.

Advanced Course in Classics under Board of Education Scheme. Four Leaving Exhibitions offered every year.

For further information apply to THE HEAD MASTER, The School House, Monmouth.

ALDENHAM SCHOOL, HERTS.

An Examination will be held on June 5th and 6th, 1919, for about SIX JUNIOR PLATT SCHOLARSHIPS of £30, and two or three HOUSE of £20, all tenable for three years, and open to boys under 15 on May 1st.

The Scholarships will be awarded for proficiency in Classics, Mathematics, or Natural Science, or for general all-round merit. Further particulars from—
Rev. A. H. COOKE, Sc.D., Head Master.

TONBRIDGE SCHOOL.—

SCHOLARSHIPS EXAMINATION on the 10th, 11th and 12th of June, 1919. One Scholarship of £100 p.a., one of £80 p.a., and one of £40 p.a., and not exceeding six Foundation Scholarships entitling to exemption from payment of the Tuition Fee, will be offered for competition. For particulars apply to the SECRETARY to the Head Master, School House, Tonbridge.

DRAPERS' COMPANY'S GIRLS' SCHOLARSHIPS.

THE Drapers' Company are about to award THREE SCHOLARSHIPS to enable specially promising girls to study at some place of advanced education, either in special subjects to be approved by the Company, or for the Degree Examination of a University in the United Kingdom. In the award of one of the Scholarships preference will be given to a girl who has for not less than three years at some time been in attendance at a school in the County of London.

The Scholarships will be of the value of £60 per annum each, and will be tenable for two or three years. To be eligible for them girls must be between 17 and 19 years of age, and must have passed some approved Public Examination, and give other evidence satisfactory to the Company of successful study. The Parent or Guardian of every candidate must satisfy the Company that she needs the assistance of the Scholarship to carry on her education.—Further particulars may be obtained on application to the CLERK to the COMPANY, Drapers' Hall, Throgmorton Street, London, E.C.2.

WEYMOUTH COLLEGE.

SIX SCHOLARSHIPS for CLASSICS or MATHEMATICS,

of the value of £40 downwards, and open to boys between twelve and fourteen, will be offered for
Competition on Wednesday and
Thursday,

June 11th and 12th, 1919.

For Prospectus and other information apply to the HEAD MASTER.

RESEARCH FELLOWSHIP FOR WOMEN.

SOMERVILLE COLLEGE offers this year a FELLOWSHIP (resident) for research in Classics, Mathematics, Philosophy, History, Economics, or Natural Science. Annual value, £120; normal tenure, five years (renewable). Apply for further particulars to Miss DARBISHIRE, Somerville College, Oxford. Names, with evidence of fitness, to be sent in by March 15.

LANSING COLLEGE

SCHOLARSHIPS.—ENTRANCE Scholarships will be offered for competition on Tuesday, June 3rd, 1919, and following days. Candidates must be over twelve years of age and under fourteen on June 1st. (a) Six Scholarships (at least), Classical and Modern, varying from 60 guineas to 15 guineas per annum. (b) Two Choral Exhibitions of 25 guineas per annum, open to all boys who can sing and read music. Full allowance in all cases will be made for age. Candidates will be examined at Lansing, unless further notice is given to the contrary. For prospectus and all additional information, apply to the Head Master, Rev. H. T. BOWLER, Lansing College, Shoreham, Sussex.

Gresham School, Holt.

ANNUAL
SCHOLARSHIPS EXAMINATION.
JUNE 4TH AND 5TH.

Entries received not later than 15th May.
Apply to THE HEAD MASTER.

ST. LEONARD'S SCHOOL, ST.

ANDREWS, FIFE.—TWO ENTRANCE SCHOLARSHIPS of the annual value of £60, tenable for four years at the above school, will be awarded on the result of an Examination to be held in May. Candidates must be between 13 and 15 on Sept. 15th, 1919. Preference will be given to the daughters of professional men and of officers in H.M. Service.—Applications for admission to the Examination should be addressed to the HEAD MISTRESS.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,

Intermediate Arts and B.A.,

Intermediate Science and

B.Sc. (Theoretical Subjects only),

L.L.A. (St. Andrews),

College of Preceptors' Diplomas.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

Physical Training.

CONTINUED FROM PAGE 148.

PORTLAND ROAD GYM-

NASIUM, London, W.—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHER, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, 32 Highcroft Gardens, Golder's Green, N.W.4.

Scholarships.

CONTINUED FROM PAGE 147.

SHERBORNE SCHOOL.

AN Examination for ENTRANCE SCHOLARSHIPS, open to Boys under 14 and over 12 years of age on June 1st, 1919, will be held on June 10th and following days. Further information can be obtained from the HEAD MASTER, School House, Sherborne, Dorset.

BISHOP'S STORTFORD COLLEGE.

An Examination for

SCHOLARSHIPS

will begin on

MONDAY, JUNE 30th.

For particulars apply to The HEAD MASTER.

**SCHOOL
WORLD**

WANTED.—Parts
for MARCH, 1904 (Vol. 6).
MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C.4.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO,
9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).

Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m. Appointments should be made when possible.

Telephone: Museum 3217. **Telegrams:** "Educatorio Grenville London."

"THE PLACE OF PLAY IN EDUCATION."

A COURSE OF THREE LECTURES on "THE THEORY AND PRACTICE OF PLAY," will be given on WEDNESDAYS, MARCH 12th, 19th, and 26th, at 7.45 p.m., at 30 BRUNSWICK SQUARE, W.C.1, by

MISS M. J. REANEY, D.Sc. Lond.

Tickets 3/- the Course, 1/6 Single Lecture.

Apply to

THE SECRETARY,
Society for the Study of Orthopsychics,
30 Brunswick Square,
W.C.1.

and kindly enclose stamped and addressed envelope.

NATURE STUDY SPECIMENS.

—Material (botanical and zoological), suitable for Junior and Senior Classes, can be supplied to schools at moderate charges. Apply for leaflet to M., Ridgeway, Lordswood, Southampton.

GEORGE GILL & SONS, Ltd.

THE OXFORD AND CAMBRIDGE EDITION.

Gospel of St. Mark. By the Rev. F. MARSHALL, M.A. Maps of Palestine, Sea of Galilee, Galilee, Jerusalem, Environs of Jerusalem, Temple; Special Introduction.

Acts of the Apostles. Part I, Chapters i-xvi. By the Rev. F. MARSHALL, M.A. Specially prepared for Students taking the first part of the Book. Complete for the purpose, with Geographical and Biographical Notes, Maps, and Introduction.

As You Like It. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo.

Henry V. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Maps and Genealogical Tables. 256 pp., Cr. 8vo.

Richard II. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Illustrations and Genealogical Tables. 232 pp., Cr. 8vo.

— READERS. —

Gods and Heroes; or, Greek Fairy Tales. By P. C. SANDS, M.A., late Fellow of St. John's College, Cambridge. This is a reader intended for use in the Lower Forms of Schools. It gives a splendid initiation into the stories of ancient Greek mythology. Cr. 8vo, 128 pp., Cloth, 1s. 3d.

La Guerre, A.D. 1914. With notes on idiomatic phrases, by TAYLOR DYSON, M.A. A selection of leading articles on the Great War taken from the French and Belgian newspapers and arranged as a book for French Unprepared Translation for Middle and Upper Forms. Cr. 8vo, 128 pp., 1s. 3d.

La Guerre, Vol. II. A sequel to La Guerre, A.D. 1914. By TAYLOR DYSON, M.A. 1s. 3d.

ATLAS AND NOTES ON EUROPEAN HISTORY.

From the time of **DIOCLETIAN** to the outbreak of the **GREAT WAR, 1914.**

By **HARTLEY FUDGE, M.A.** 1s. 6d.

"The book consists of 36 Coloured Maps, not too full of names, and 104 pages of Notes, so called, which, however, practically form a précis of the history of Europe, from Diocletian to the Congress of Vienna. The author then carries forward history to the outbreak of the present War, by dealing separately, but still chronologically, and ab initio, with the history of Poland, France and Alsace-Lorraine, Prussia and German unity, the Dual Monarchy, Ottoman Empire, the Near East, and the like. The whole forms a small reference book useful for History teaching."

Journal of the A.M.A., Dec., 1918.

"In the body of the book there are more than thirty maps which, for the clearness of their lettering, we have very seldom seen excelled. Taken as a series they enable us to trace without confusion, through the centuries, the various stages in the political development of Europe."

Irish School Weekly.

ARITHMETIC BY DECIMALS.

By **E. PULLING, B.A.**

A simple, concise School Course, 9d. With Answers, 1s.

COMPLETE LIST OF THE OXFORD AND CAMBRIDGE EDITION, AND EDUCATIONAL CATALOGUES, POST FREE.

London: **GEORGE GILL & SONS, Ltd., 13 Warwick Lane, E.C.4.**

**The HEADS of
PUBLIC and PRIVATE SCHOOLS
requiring
ASSISTANT MASTERS, MISTRESSES
LADY MATRONS, and HOUSEKEEPERS**

are invited to communicate with Truman and Knightley, Ltd., who are in a position to introduce

**University and other qualified English and Foreign teachers, and
Experienced Matrons and Housekeepers,**

whose credentials and qualifications have already been investigated.

Principals are thus relieved of the expense of advertising and the trouble and annoyance of preliminary negotiations.

No charge is made to Principals for the service rendered.

Please write giving full particulars of requirements, when only those Candidates will be introduced who appear suitable for the particular positions vacant.

Communications, when desired, are treated in strict confidence.

The distinguishing feature of this Agency is its personal service, its intimate acquaintance with the requirements of Principals, and its personal knowledge of candidates introduced.

*A special and confidential department deals with the
Transfer of Schools, Partnerships, &c.*

*Communications on these subjects should be addressed
to Mr. Truman personally, with whom interviews should
be arranged by appointment.*

TRUMAN & KNIGHTLEY Ltd

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

PATON'S LIST of SCHOOLS and TUTORS

An Aid to Parents in the Selection of Schools.

22nd ANNUAL EDITION NOW PREPARING.

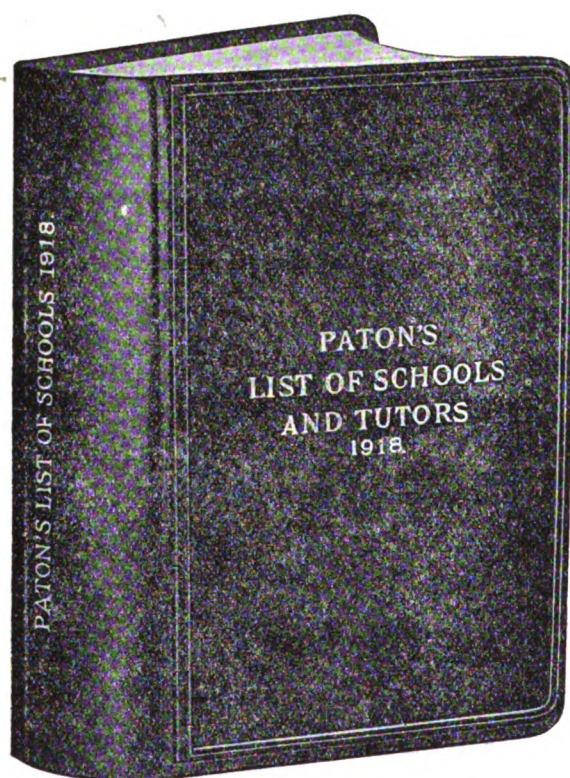
EVERY YEAR THOUSANDS OF PARENTS
:: :: CONSULT THIS BOOK. :: ::

"When I first came here I spent over £50 in six months' advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of 'venturing' on another boarding house."

"Please insert my pages as usual. I believe I get more pupils from that than from any other source."

"I enclose a request to have my notice renewed. I would not for anything leave it off now."

"I find it most useful to my patients when seeking information about sending their boys and girls away, and have kept a copy in my waiting-room for some years."



"Two years ago you sent me a pupil named ——. Through her parents I have had **four** good pupils this year from four different places, and through two of these I have **five** more coming this term: that is ten pupils from paying **one** commission."

"I have much pleasure in renewing the advertisement in your excellent Guide, and should like to take the opportunity to express to you my best thanks for the invaluable help of your Agency."

"I enclose order form, duly signed. . . . I am more than grateful for the excellent service your Agency does my school."

**Specimen Copy and full particulars sent free of charge to
Head Masters and Head Mistresses.**

J. & J. PATON, Educational Agents,

143 CANNON STREET, LONDON, E.C.4. Telephone: Central 5053.

CONTENTS

	PAGE
OCCASIONAL NOTES	151
PERSONAL PARAGRAPHS	153
TOPICS AND EVENTS	154
PRIMARY SCHOOL NOTES	156
CORRESPONDENCE	158
Education within the Army: Books wanted for Egypt and Salonika; The Education of the Small-holder.	
EDUCATION OF GIRLS OUT OF SCHOOL BY AMY B. BARNARD	163
FOREIGN AND DOMINION NOTES	165
UNIVERSITIES AND SCHOOLS	166
REVIEWS AND MINOR NOTICES	168
Moral Values and the Idea of God (Sorley); The European Commonwealth—Problems Historical and Diplomatic (Marriott); The Philosophy of Rabindranath Tagore (Radakrishnan); A Study of Silent Minds (Kirk); &c.	
PRIZE COMPETITIONS	174
DIRECTORY OF EDUCATIONAL ASSOCIATIONS	187
THE BUILDINGS REQUIRED FOR COMPULSORY CONTINUATION SCHOOLS	194
BOOKS OF THE MONTH	196

OCCASIONAL NOTES.

THE opponents of the Day Continuation Schools have not given up hope of defeating that measure. Just as the small boy, when he loses the toss, tries to jockey his opposite with a shout of "best of three," so they are claiming that continued education is not yet the law, and hinting that perhaps it never may be.

Are we to have
Compulsory
Continued
Education?

They found their case on the clause which entrusts the Board of Education with the fixing of the appointed day. Parliament, so the argument runs, have imposed no absolute obligation; it is all left to Mr. Fisher. He can have the schools if he wants, and if he doesn't he can leave things alone. A school-boy would scout such an amateur reading of the Act, but many people will be relieved to think there is something in it, and herein danger lurks. The difficulties of bringing in the system are admittedly great, and as the days go by without a sign, the impression that the Board are daunted will gather strength. On that account, Mr. Fisher should lose no time in announcing his intentions. And there are other reasons. Until they know approximately when and where the start is to be made, the Local Authorities' preparations can only be on paper. Meanwhile the temporary buildings, which will be urgently wanted later, are being sold for other purposes; so is the equipment which is no longer needed in the War Departments, and much that would be very useful in the new schools is probably getting into the hands of the middleman. Most serious of all, no definite offer of training for, and employment in, continuation schools is being made to the hundreds of officers and men who are now leaving the Army for other occupations, yet who, if they had the

chance and the certainty of employment, would make most efficient teachers of adolescent boys. There is a tide now: Mr. Fisher should take it, and not wait for low water before he appoints the time of launching.

IT will be good news to geographers that at last Cambridge is prepared to recognize the full educational value of geography. Both Oxford and Cambridge, of course, have done much to encourage the subject since Sir John Scott Keltie's famous Report of thirty-five years ago. It has been left, however, to the exigencies of a great war to stir up this further appreciation, which has led Cambridge to decide that a Geographical Tripos shall be established, and that the examination in Part I of the Tripos be held in 1920 and for Part II in 1921. It will be interesting to observe the effect on school geography of this forward step. At present in most public schools the teaching of geography either stops well short of the sixth forms, or, if taught at all in the higher departments, it is entrusted to pure science men, who are naturally apt to regard it as a side issue. They are hardly *en rapport* with the "human" side of the subject. How could it be otherwise? One of the chief aims of such forms is the attainment of a scholarship at the University, and there is no existing scholarship for geography. It remains, therefore, for Cambridge somehow to secure the foundation of a few geographical scholarships at various colleges. This done, and we predict that within a few years a geographical sixth form will range itself in line with its senior brethren in all well-ordered schools. What is wanted is the encouragement not so much of the nebulous subject which at present passes under the name of "geography," but the development of definite, practical work in the laboratory, of research in the field and the open air, and of organized instruction in the whole gamut of conditions which culminate in what is known as economic geography. It is this development which we hope will be the ultimate effect of Cambridge University's exhilarating lead.

UNTIL quite recent years psychological tests were confined to the psychological laboratory, with occasional incursions into the classroom; and they were always conducted in the interests of scientific theory rather than the interests of the subjects experimented on. But a further stage has now been reached—the stage of practical application. No longer is the subject the victim of an experiment: he has become the beneficiary of discovered laws. Not the least of his benefits is his rescue from the fate of being a square peg in a round hole. Binet devised his scale of mental tests in order to get the Parisian child into the right school. The Americans, on entering the War, at once appointed psychological committees to examine recruits with a view to getting the right man for each job and the right job for each man. They have discovered that that way efficiency lies. Indeed, we in England tardily made the same discovery in choosing men for the air service. And now from across the water comes a report that the authorities of Columbia University have decided to supplement the ordinary matriculation examination by a psychological examination: the candidate will in future have to show that he possesses not merely the prescribed amount of book-learning, but also the type of intellect

Psychological
Examination of
Matriculants.

likely to benefit by a University training. This raises afresh the question whether an examination is a trustworthy detector of "brains." The obvious reply is that it depends on the nature of the examination. If the examination gauges the contents of the examinee's mind, but fails to gauge its capacity, it becomes necessary to add psychological tests—tests which aim at discovering what a mind can do as distinct from what it can hold.

THE War has provided us with an additional incentive to the study of modern languages, and in particular those of our allies. Among these, Italian claims our attention for several reasons. Most of us have some acquaintance with French or Latin, or both, and this knowledge renders the study of Italian comparatively easy. Our commercial relations with Italy are likely to become more intimate. Above all, there is much that is beautiful and interesting in Italian literature. Further, it may be surmised that many of those who, before the War, went to Germany for the study of music or art will now turn to Italy. It may be a little difficult to find a place for Italian in our schools for pupils below sixteen, but we may hope that some will take it as a main subject in an advanced course in modern studies. It may well take the place of German in some boarding schools for girls; and it is to be hoped that University students will take it up. The study of English has spread remarkably in Italy during recent years; professorships in English are being established at all the Universities, and more attention than ever before is being devoted to it in the schools. Particular care is being taken that it is taught by men and women possessing the necessary qualifications. It is earnestly to be desired that we may show equal care in the appointment of teachers, and that the study of Italian may occupy the place of honour which it deserves.

URGENT need exists for more University Scholarships for women. The Board of Education may plan advanced courses to prepare girls for University Honours work, and the schools may do their utmost to develop their pupils' powers, but if there is no money available the girls' education will stop short just when the wider University horizon is opening out before them. The movement for the University education for women is of recent date. Existing scholarships and endowments are reserved almost entirely for boys; and, even if open to both sexes, as in recent foundations, there is a tendency always to give the preference to boys. The case of Sir Ernest Cassel's munificent gift recently announced in the press, where a portion of the half-million sterling is to be devoted to scholarships for women, is an exception. Meanwhile, what is to be done to meet the increasing demand for highly trained women to take posts of responsibility? There is a cry for more women doctors, yet a recent investigation made by the Association of Head Mistresses showed some half-dozen women's medical scholarships only attached to schools throughout the country. Mr. Norman Rae has met the present need at Bradford, and Manchester is raising a fund of £10,000 for girls' scholarships. The lead could appropriately be followed in many ways. In some places there is as yet no public memorial to their "notable women"; in others, how better could the memory of the fallen be honoured than by helping their children? Private individuals can pay tribute to some mother,

wife, or daughter; suffrage societies can commemorate the gaining of the vote; and so on. The aim might be to provide one scholarship at least for every secondary school, and it looks as if it is only by special efforts in every locality that this object can be attained.

THERE has been much speculation as to how the Government would fill up the vacancies in the higher ranks of the Civil Service, so long overdue, when temporary assistance had been dismissed and when the senior members had gone into retirement. Ministers were pledged to reserve these appointments for ex-officers of the Army, Navy, and Air Force, and it is likely that nearly four hundred appointments in the Home, Indian, and Colonial Services will be filled by selection during the next two years. About a hundred ex-officers between the ages of twenty-one and twenty-eight will be selected for the Indian Civil Service in August next, and probably as many for the Home and Colonial Services. Forms of application may be obtained from the Civil Service Commission, and candidates must have served for at least a year in the Forces. If the example of the recent Foreign Office admissions is followed, there will be a qualifying examination first, which will consist of an essay, an elementary arithmetic paper, and two papers on general knowledge. When the hopeless cases have been thus weeded out, the remainder will appear before a selection board for an interview, and on this their success will depend. The Board will have before them both the scholastic and military records of the candidates, and will be influenced by these, as well as by the appearance and general *savoir-faire* of the candidates before them. For many years before the War the Authorities had been urged to combine an interview with the examination; for in so severe a competition as was that for the Higher Civil Service, the best men did not necessarily gain the top places, and an interview would have been a corrective to the inevitable chances of an examination. It will be interesting to see if the success of this temporary scheme will induce the Authorities to continue the plan.

THERE is much that is stimulating in the address delivered by Mr. W. A. Brockington at the annual meeting of the Association of Directors of Education, recently reprinted. He is not to be included among those he terms "doubtful souls," who regard some of the provisions of the Act of last year as Utopian. On the contrary, he regards the measure as "the realization of a dream." Perhaps it would be more correct to say that the dreams of certain educational enthusiasts have been translated into statutory language, and that we have a good many cold and commonplace difficulties to overcome before they begin to be realized. Mr. Brockington is not unmindful of these difficulties, more particularly in connexion with "those portions of the Act which still remain in a large measure uncharted areas in English education—an untravelled land." Referring to the compulsory schooling of young persons, he remarks that those of us who have experienced the appalling difficulties of continued education in rural areas grow thin and weary with brooding on the question. His suggestion—put forward as a regrettable alternative—that in some districts the problem might be solved by extending the age of compulsory attendance to fifteen merits serious consideration.

The Higher Civil Service.

The Study of Italian.

University Scholarships for Women.

Address to Directors.

WHEN there are no exceptions to the by-laws and all children are required to remain in elementary schools (unless otherwise educated) until the end of the term in which they attain the age of fourteen, definite action will be necessary to provide suitable training for the older scholars. In some parts of the country 50 per cent. of the children now leave school at or about their thirteenth birthday, and it is well known that in many schools the pupils in the upper standards not infrequently mark time. Consequently, a development hitherto desirable will now become essential. Something might be done by organizing the schools, where practicable, in two divisions: a lower division, with a time-table and scheme of work for pupils from five or six to twelve years of age; an upper division, providing suitable courses of instruction for two or three years. Some such modification as this would assign a definite purpose to the concluding years of a child's school life, which is too often not available. In some districts, no doubt, it would be expedient to establish central schools, exclusively devoted to upper-division children, and in certain rural areas schools could be grouped for a similar purpose.

IT is to be regretted that the amendment to Section 18 of the Education Act of 1902, with reference to the allocation of capital expenditure to particular areas, has not been determined conclusively by Section 36 of the Act of 1918. The assessable value of a parish or parishes has no connexion with the question of educational needs, and as often as not it is in the poorer districts that new or improved accommodation is required. There will, of course, be a disinclination on the part of County Councils to take advantage of the option provided by the amendment, because certain areas have already contributed special rates towards the capital expenditure incurred for school accommodation; moreover, the unprogressive elements on Local Authorities regard the existing arrangement as a useful means of retarding, if not of preventing, what they regard as unnecessary expenditure for school purposes. If a needed improvement is to impose a special rate of 6d. or 8d. on a particular parish, it may be taken for granted, as a rule, that the parishioners will endeavour to devise some means of avoiding it. Consequently developments desirable on educational grounds may be defeated by parochial considerations. One of the Local Authorities has decided to maintain the present system as regards existing loans, and, except in special cases, to make capital expenditure a county charge. To meet such expenditure it proposes to prepare a building programme for a period of years, and instead of borrowing to raise the sum likely to be required annually out of the rates.

THE President of the Board of Education has appointed an Advisory Committee to assist the Board of Education in the development of their scheme for the establishment of Juvenile Unemployment Centres. The following are the members of the Advisory Committee:—The Rt. Hon. J. Herbert Lewis, M.P. (Chairman); Lt.-Col. Lord Henry Cavendish Bentinck, M.P.; Mr. F. Bramley; Mr. R. A. Bray; Mr. E. K. Chambers, C.B.; Sir Cyril Cobb, K.B.E.; Mr. R. C. Davison; Mr. H. Fleming; Mr. W. B. Harde; Miss A. M. Hitchcock; Dr. R. W. Holland; The Rev. Canon T. Houghton; Miss T. M. Morton; Dr. A. H. Norris; Miss Julia Varley; with Mr. G. W. Buckle of the Board of Education as Secretary.

PERSONAL PARAGRAPHS.

THE Council of Cheltenham College have selected Mr. Henry H. Hardy, M.B.E., to succeed Canon Waterfield, the present Principal, who is retiring in July next. Mr. Hardy was educated at Rugby, where he was head of the school in 1900-1, and at New College, Oxford, of which he was a scholar. He graduated with a first in Classical Moderations in 1903, and a second in Lit. Hum. in 1905. In the latter year he returned to his old school as an assistant master. On the outbreak of war he joined the Rifle Brigade, and subsequently served on the staff, both at home and in France. At present he holds the post of General Staff Officer for Education in the Southern Command.

* * *

SIR ROBERT BLAIR, Chief Education Officer under the London County Council, has been made an Officier de l'Ordre de la Couronne by the King of the Belgians, in "recognition of the generous help he gave to Belgium during the course of the war." Mr. B. M. Allen, of the same service, has also been created Chevalier de l'Ordre de Léopold.

* * *

DR. HAROLD D. HAZELTINE, Fellow of Emmanuel College, University Reader in English Law, has been elected to the Downing Professorship of the Laws of England *vice* Dr. Courtney Kenny, who has resigned the position. Dr. Hazeltine, who is a native of America, passed through the Law School at Harvard, and studied law in Paris and Berlin before coming to England. He is the author of many articles in the legal journals, and several important treatises, and is regarded as one of the leading authorities on the law of the air.

* * *

MR. R. S. DE HAVILLAND has resigned the coaching of the Eton Eight after some twenty-five years of unsparing effort and conspicuous success. All who have passed through his hands, and all who take an interest in Eton rowing, will long remember with gratitude the value of his services. Mr. E. W. Powell, another successful Eton oarsman, will be the new coach.

* * *

THE pending retirement of the Rev. Dr. Arthur W. Upcott, the Head Master of Christ's Hospital, West Horsham, Sussex, is announced in the press. Dr. Upcott was formerly a pupil at Sherborne School, and became a Scholar and Goldsmiths' Exhibitioner of Exeter College, Oxford. He graduated First Class Classical Moderations in 1876, and Second Class Lit. Hum. in 1879. He began his teaching career as an assistant at St. Mark's School, Windsor, and held a corresponding position later at Westminster School. He returned to St. Mark's as Head Master in 1886, and five years later became Head Master at St. Edmund's School, Canterbury. He was appointed to Christ's Hospital in 1902. Dr. Upcott is the author of several classical texts, and has taken a keen interest in educational administration generally. He is chairman of the Higher and Elementary Education Committees of the West Sussex Education authority.

* * *

AT the last meeting of the Essex Education Committee the resignation was announced of Mr. J. H. Nicholas, Secretary of the Committee since 1903, and previously Secretary of the Essex County Council Technical Instruction Committee. The Assistant Secretary, Mr. P. E. Meadon, whose services in the administration of education in the country have been greatly appreciated for some years, has been appointed Director of Education and Secretary to the Committee.

* * *

LIEUTENANT RICHARD WILLIAMS, who has been appointed Head Master of Cowbridge, was an assistant master at Llandovery College when war broke out. Educated at Haverfordwest Grammar School, University College, Aberystwyth, and Jesus College, Oxford, he graduated at the former Uni-

versity with First Class Honours in Latin and Second Class in Greek, and at Oxford with First Class in Classical Moderations and First Class in Lit. Hum. He obtained teaching experience at King Henry VIII's School, Coventry, and Monkton Combe School, Bath, before proceeding to Llandovery.

THE Council of the Girls' Public Day School Trust have appointed Miss Margaret C. Aitken, M.A. (Edinburgh), to be Head Mistress of Sheffield Girls' High School, in succession to Miss Lunn, who is retiring. Miss Aitken is at present second mistress of the Leeds Girls' High School, and Head of the English Department.

MR. PERCY G. FEEK has been appointed Director of Education for Derbyshire, *vice* Mr. A. L. Jenkyn Brown, to whom Mr. Feek has acted as assistant for some years.

THE President of the Board of Education has appointed Mr. A. H. Kidd, Junior Examiner of the Board, to be his Private Secretary.

MR. J. A. BROADHEAD, Head of the Physics Department of Bablake School, Coventry, has been appointed Head Master of Leiston County Secondary School, Suffolk. Mr. Broadhead is a B.A. (R.U.I.), with Second Class Honours in Chemistry and Physics, and a B.Sc. of Victoria and Leeds. He has been an assistant master at St. Michael's School, Liverpool, and Ashville College, Harrogate, and has lately organized the Advanced Physics Course at Bablake School.

THE REV. PREBENDARY HOBSON has decided to resign the Principalship of St. Katharine's Training College, Tottenham. He was the first Principal of the College, and has held the position for forty-one years. The Dean and Chapter of St. Paul's Cathedral have offered him the rectory of St. Augustine and St. Faith.

MR. MAURICE L. JACKS has been elected a Fellow of Wadham College, Oxford. Mr. Jacks was educated at Bradfield College, and went up to Balliol in 1912. He was placed in the First Class by the Classical Moderators in 1914, and in the same year he was elected to a Goldsmiths' Exhibition. He obtained a commission in the K.R.R.C. in the early days of the War, and was severely wounded in France in November 1916. Upon recovery he was appointed Assistant Instructor to the No. 4 O.C.B., and was promoted captain in January 1918. He is a son of the Rev. P. Jacks, Principal of Manchester College, and editor of the *Hibbert Journal*, and a grandson of the Rev. Stopford Brooke.

MISS EDITH WILLIAMS, President of the International Guild, died in Paris on February 16. She was for many years Professor of English at the Ecole Normale Supérieure, Fontenay-aux-Roses. Her work at the Guild was valuable in bringing together students of different nationalities. Her services to education were recognized in 1913, when, for the first time, the Legion of Honour was conferred on an Englishwoman.

THE death occurred on February 9 of Prof. G. Carey Foster, F.R.S., the former Principal of University College, London. Born in 1835, Prof. Foster was educated privately, and received his academic training at University College, London, where he graduated B.A. in 1855. Later he studied at the Universities of Ghent, Paris, and Heidelberg, and in 1862 was appointed Professor of Natural Philosophy at Anderson's College, Glasgow. Three years later he returned to his old college in Gower Street, at first as Professor of Physics, and from 1900 to 1904 as Principal. It was owing to his efforts that University College opened the first physical laboratory in this country in which practical instruction was offered to students. Ten years later he was one of the founders of the Physical Society of London, of which body he was President from 1877 to 1879. He had also held the post of

President of the Society of Telegraphic Engineers—now the Institution of Electrical Engineers—and from 1898 to 1904 he was General Treasurer of the British Association. Many improvements in physical methods and apparatus are recorded as the outcome of Prof. Foster's keen interest in his work.

CAPTAIN J. ALLEN NICHOLAS, R.F.A., whose death is reported from pneumonia at Cherbourg, was formerly classical master at Crediton Grammar School. He was educated at Christ's Hospital, and graduated with honours at University College, Aberystwyth, in 1911. He was returning home on leave after three years' service in the East.

THE death is announced of the Rev. C. H. Perez, one of the last Clerical Inspectors of Schools. He was educated at Christ's Hospital and Cambridge, where he graduated as fourth wrangler. For some years he was an assistant master at Sherborne, and then returned to Cambridge as Fellow and Dean of Pembroke. In 1864 he became H.M. Inspector of Schools, a position which he occupied for 36 years, first in Cumberland, and afterwards as Chief Inspector at Derby. On retiring, he accepted the vicarage of Mentmore, from which he resigned in 1910. He closely identified himself with the Church Missionary Society, and he was keenly interested in the education of the deaf, being for several years Chairman of the Association for Teaching Lip Reading.

TOPICS AND EVENTS.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—The annual business meeting of the Association of University Women Teachers was held on January 25. Miss Stephen was in the chair. The honorary treasurer, Miss K. H. Coward, called attention to the satisfactory position of the Association, which had increased in income and in number of members. Miss Alice Woods and Miss M. H. Wood spoke on the importance of training; the former also dealt with the effect of the School Teachers (Superannuation) Act on the staffing of private schools. A motion on the need for a scheme for the joint administration of education by teachers and their employers was passed without opposition. Mr. Homer Lane gave an address on "The Faults and Misdemeanours of Children." He laid stress on the importance of directing instead of repressing the natural activities of the child from the earliest days. Parents and guardians should avoid interfering with the child in his quest for truth, even if his investigations involved some pain, as in the case of a child who wanted to touch fire or candle. The lesson of experience would be a safeguard in the future, whereas an artificial barrier intensified his curiosity, and created a feeling of antagonism to authority. The child's curiosity and desire for freedom were innate, and if unduly repressed an anti-social attitude of mind would be the result. Turning to school life, Mr. Lane urged the importance of giving opportunities for social service, and utilizing the children's energies in constructive work. The address was followed by an interesting discussion.

THE SECONDARY SCHOOLS ASSOCIATION.—A deputation representing the Association was received by Mr. Fisher, President of the Board of Education, on January 28. The object of the deputation was to place before the President certain considerations concerning the alteration or withdrawal of Regulations Nos. 23 and 24 of the Regulations for Secondary Schools. The deputation, which was attended largely, was introduced by Sir Philip Magnus, Bart., M.P., and among those who addressed the President were: The Very Rev. H. Wace, Dean of Canterbury; the Rev. Prebendary J. S. Northcote; the Rev. Canon Driscoll, Cardinal Vaughan School; Miss E. M. Guinness; the Very Rev. Wm. Moore Ede, Dean of Worcester; Mr. F. M. Kingdon, Bishop's Stortford College; Mr. J. Chadwick, representing eleven schools of Notre Dame; Mr. E. Hartley Parker, London Orphan School, Watford; Mr. E. Eyre, Chairman of the Catholic Conference of England; and the Ven. Archdeacon H. K. Southwell, Provost of the Woodard Schools. Mr. Fisher received the deputation sympathetically, and promised to give his careful consideration to their representations.

ASSOCIATION OF HEAD MISTRESSES.—The Executive Committee of the Association have passed the following resolution:—
(Continued on page 156.)

SCHEME FOR TEACHERS

providing Life Assurance, Capital for purchasing Schools or Partnerships, and Income on Retirement.

THE FRIENDS' PROVIDENT INSTITUTION

having made a special study of Educational Requirements offer an adaptable form of Policy suitable for either men or women.

FREEDOM FROM INCOME TAX
in respect of the amount paid in premiums.

For particulars send a post card, giving date of birth, to:—

**THE LONDON MANAGER,
FRIENDS' PROVIDENT INSTITUTION
17 Gracechurch St., London, E.C.3.**

JAMES GRAY LTD.

**HEATING ENGINEERS,
DANVERS ST. CHELSEA, S.W.3**

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone :
Western 201.

Telegrams :
Gray 201 Western London.

TUITION BY POST.

Practical Training in

**SHORTHAND,
BOOK-KEEPING AND ACCOUNTANCY,
COMMERCIAL PRACTICE, BANKING,
ADVERTISING, COMMERCIAL LAW.**

PITMAN'S POSTAL COURSES are admirably adapted for teachers who are unable to take advantage of the ordinary facilities for receiving oral instruction, but desire to qualify in commercial subjects. Each lesson is a full exposition of that part of the subject covered. One course, or any group, may be commenced at any time, and from any stage of present knowledge.

Write for details, stating the subjects in which you are interested.

Pitman's School
BUSINESS SECRETARIAL & CIVIL SERVICE TRAINING

The Leading Teachers' Training Centre in the Kingdom for Commercial Subjects.

Principal: FREDERICK HEELIS, F.R.S.A.,
169 SOUTHAMPTON ROW, LONDON, W.C.1.
Seven London Branch Schools, and at Bristol and Leeds.

SCIENTIFIC ROMANCE.

In Crown 8vo. Cloth, Gilt Lettering. Pp. 317. Price 6s. net.
Postage extra.

THROUGH THE SUN IN AN AIRSHIP.

By Professor JOHN MASTIN, M.A., Sc.D., Ph.D.

"Mr. Mastin manages to make his tale absorbing at all points, the interest never slackens, his imagination never fails. The suggestions opened out are numerous and appalling. Some of the discussions are on very deep subjects, and, though they do not lead us far, and are hardly as illuminating as the utterances of poets, they are put down soberly and in a convincing manner, which shows that the author takes his work seriously. His scientific knowledge aids him well in his task, and has enabled him to produce a fine novel as attractive to boys as to grown up people."—*Daily Telegraph*.

London: CHARLES GRIFFIN & CO., Ltd., Exeter Street, Strand, W.C.2.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental Apparatus Parts and Materials.

Lenses, Achromatic or Plain, Prisms, Mirrors, and Optical Goods.

Best Make, Second-hand P.O., and other Galvanometers, Relays, Electric, and Optical Instruments at ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings for the Student of Science.

Telephones, Batteries, Morse Keys, and every aid for Radio and Telegraphic Experiments.
Our Celebrated Wimshurst Machines.

War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
Call or write for information. (H. J. DALE has had fifty years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Blois Avenue, Bloomsbury Square, London, W.C.1.

"That the unity of the teaching profession requires that all duly qualified teachers whose years of service have been spent in any schools recognized by the Board of Education as efficient should be eligible for State pensions on the same conditions as are laid down in the School Teachers (Superannuation) Act for teachers in grant-aided schools. Thus alone can be secured that free circulation of teachers among different types of schools which is essential to educational progress." The next annual meeting of the Association is to be held on June 13 and 14, 1919, at King Edward's High School, Birmingham.

MANAGERS OF ELEMENTARY SCHOOLS.—The Annual General Meeting of Representative Managers of London County Council Elementary Schools was held on February 24, when the Annual Report for 1918 was presented. Among other resolutions adopted during the year the following may be recorded: On February 4, 1918, that with the view to promoting the welfare of the schools, greater sympathy with and more recognition of the school managers should be manifested by the Council; that the duties of managers should be expanded and defined; that head teachers should have the opportunity of working more closely with the managers; and that the functions of managers should be more clearly indicated to them. On May 22, that in the opinion of this Conference, there should be a body of managers for each school or group of schools; that the selection should be as far as possible of a local representative character. That legislation should be sought with a view to making obligatory the conferring of substantial powers and duties on the managers of elementary, nursery, and continuation schools, including responsibility for physical welfare and care work. That the body of managers should as far as possible include members of the Local Education Authority, and representatives of the various popular interests in the district, so that the school may be in touch with all classes of the community which it serves; and at the same time the managers become well-informed popularizers of education, and the creators of a sound public opinion in support of educational progress.

EDUCATION IN THE ROYAL AIR FORCE.—The establishment of the scheme for education during the period of demobilization in the Royal Air Force has shown that there is a general desire among officers and men to obtain assistance in various branches of study. Much is being done to meet this widespread demand by the institution of regular classes, but a large number of cases remain which cannot be dealt with satisfactorily in this manner. The special circumstances of the Force in regard both to the higher percentage it contains of skilled workmen, and to the fact that so many officers and men are serving in detached units and in out-of-the-way places make the problem of meeting individual needs one of difficulty. Arrangements are being made to cope with this aspect of the problem by developing correspondence tuition by voluntary helpers, and it is thought that there must be men and women at home who would gladly assist in this work by devoting a part of their leisure to helping an officer or man anxious to take up serious study. The subjects in which instruction is desired range from law and medicine, European and Asiatic languages, business methods, and technical instruction—especially for the various branches of engineering—to general educational subjects, and to such outdoor interests as bee-keeping and poultry farming. It is felt that if members of the public interested themselves personally in this work, and were placed in direct contact individually with the officer or man they could best assist, a great stimulus would be given to the experiment. Offers of voluntary assistance from individuals qualified and willing to help in this work will be welcome, and further particulars of the scheme may be obtained by an application in writing to the Secretary, Air Ministry, Strand, W.C.2. Envelopes should be marked, "Educational Branch, Directorate of Training."

A MUNIFICENT GIFT FOR EDUCATION.—It is announced in the press that Sir Ernest Cassel has placed in the hands of trustees a sum of half a million sterling for educational purposes. The trustees are: Mr. Asquith, Mr. Balfour, Miss Philippa Fawcett, Mr. H. A. L. Fisher, Lord Haldane, Sir George Murray, Mr. Sidney Webb. Five special purposes are particularized by Sir Ernest Cassel in making this gift, namely:—The promotion of adult education in connexion with the Workers' Educational Association, or any other association or body approved by the trustees; the establishment of scholarships for the encouragement of the education of workmen or their sons and daughters; the promotion of the higher education of women by the assistance of colleges for women; the promotion of the study of foreign languages; towards the establishment of commerce in such terms as may be approved by the trustees.

PRIMARY SCHOOL NOTES.

The New Nursery Schools.

THE twofold object of the new nursery schools—(1) the close personal care and medical supervision of the individual child, involving provision for its comfort, rest, and suitable nourishment; (2) definite training, bodily, mental, and social, involving the cultivation of good habits in the widest sense, under the guidance and oversight of a skilled and intelligent teacher—naturally involves the employment of nurses as well as teachers. The staff of the nursery school of normal type, containing from forty to fifty children, would include a superintendent possessing teaching qualifications, an experienced nurse assistant, and a probationer. As special courses of training are being organized in the training colleges for superintendents, there would appear to be an excellent opening for teachers and war-time nurses to qualify themselves for positions in the new schools. The hours of duty will be somewhat longer than those of ordinary school service, but the salaries of all certificated and uncertificated teachers employed in nursery schools must not be less than the minimum salaries prescribed by the Board for teachers of similar grades employed in the primary schools. It would appear, therefore, that the new schools promise very suitable openings for women of good education and lofty ideals.

The Reform of the Inspectorate.

IT is becoming very clearly realized that the operation of the new Education Act will involve great changes in the personnel, functions, and outlook of the Inspectorate of the Board of Education. There is a growing body of opinion that of late years the rank and file of the Inspectorate has degenerated towards the type of mind which regards criticism, constructive or destructive, as the principal qualification of office. The drawing up of school reports, frequently so lengthy that neither managers nor teachers seriously regard them, still appears to be the main concern of such inspectors. Breadth of outlook, generosity of mind, companionableness with teachers, keenness to inspire and to recognize initiative, sympathy with and encouragement of new methods, readiness to admit a different point of view, and the will to render practical help in solving school difficulties and in carrying out school experiments, are essential qualifications for the inspectorial as well as the teaching office; and if inspectors leave with the teachers they visit feelings of utter depression and profound discouragement it must be admitted that such inspectors have failed to carry out their first and most important function of inspiration. Discouragement and depression are the frequent and immediate effects of many inspectors' visits to schools; children as well as teachers suffer from the visitation. Yet the spirit of the Suggestions of the Board of Education is nobly conceived and faithfully translated by leading members of the Inspectorate; it is the lack of outlook among many in the lower grades which constitutes the gravest obstacle to the progress of educational reform. And, if it is a profitable investment for the nation to attract the best men and women to the teaching office, it will also be a wise policy to provide inspectors to encourage these teachers to strive untiringly to attain their respective ideals. In other words, the area of selection of inspectors must be immensely extended. Salaries should be doubled; teaching experience should be a primary qualification for such posts; the gift of an understanding sympathy should be another. A profound knowledge of a single subject of the curriculum is seldom a sound qualification in a primary-school inspector, since it tends to obscure his wider educational outlook, and reduces him to the level of the faddist. The most useful type of inspector would be one who would come into a school and serve as an ideal supply teacher, illustrating in a practical manner, and under the normal conditions of the school time-table, any suggestions he wishes to make for the improvement of the general scheme of instruction. The suggestions now made by inspectors are not always helpful; one, for example, will strenuously oppose any proposal to teach formal grammar in a school; a colleague who visits the same school at a later date will vigorously support such a proposal. Head teachers, in consequence, gravitate naturally towards the line of least resistance, and the ultimate result is that their own ideals become not only more difficult of attainment, but longer in the process of their realization.

Upper Standard Courses.

THE raising of the school-leaving age to fourteen years will necessitate additional courses of instruction in numerous schools where no central or junior technical schools are available. The prolonged discussion as to whether the necessary instruction should be given

Continued on page 158.)

SLOT WEIGHTS

FOR THE

Mechanics Laboratory

Raw material is now available, and we shall shortly be able to supply large quantities in both English and Metric denominations.

Slot Weights from one-hundredth pound to one hundred pounds and from five grams to fifty kilograms.

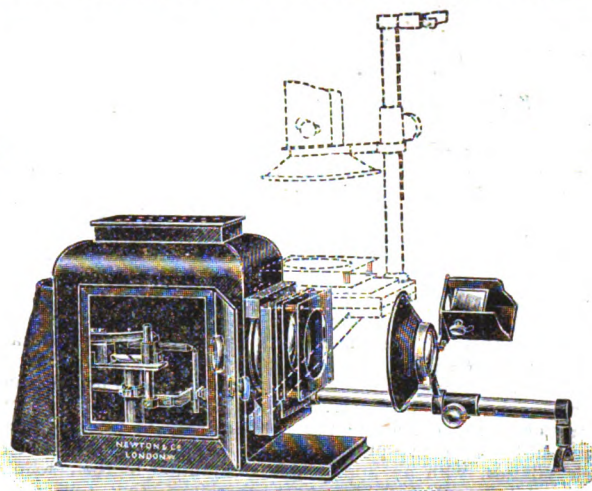
Weight Hangers to suit.

G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.

OPTICAL LANTERNS AND SLIDES

for use in

COLLEGES, SCHOOLS, and other EDUCATIONAL INSTITUTIONS.



SCIENCE LANTERNS for LECTURES and DEMONSTRATIONS.

NEWTON & CO.

(Established over 200 years).

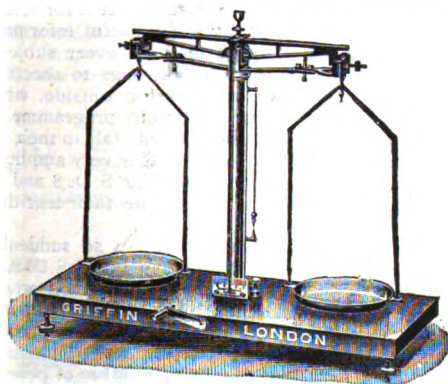
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.

KEMBLE STREET,

KINGSWAY, LONDON, W.C.2.

MAKERS OF PHYSICAL AND ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES

MANUFACTURED BY

GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLENKAMP

—& Co., Ltd.—

19-21 SUN STREET,
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—

H. G. JARROM
J. DAVIES
F. DIXON

We are now manufacturing

VOLUMETRIC APPARATUS

(graduated on our own premises by a skilled staff, and with the latest approved methods and machines) in the three following Grades:—

1. For General School and Commercial Analyses.
2. For extra accurate Commercial Analyses, with or without National Physical Laboratory Class "B" mark.
3. Instruments of highest accuracy for Research Work with National Physical Laboratory Class "A" mark, with or without Certificate.

"They are well-made articles, and appear to be quite as suitable for laboratory work as the apparatus formerly obtained."—NATURE.

Circular No. 199 post free.

Telephone—LONDON WALL 1404 & 1405.

Telegrams—"GALLENKAMP, FINSQUARE, LONDON."

in the existing schools or in special senior departments does not appear to be approaching a definite conclusion. The probability is that the appointed day will arrive with no adequate provision available for these older children. It is true that Education Authorities, inspectors, and teachers are all considering the problems of accommodation, staff, and curriculum, but they are mostly working as separate bodies. If the principle of Whitley Councils could be adopted in each area, there is no doubt that sound working schemes would soon be drawn up. Anything in the nature of uniform schemes drawn up by a central governing body is foredoomed to failure, since each district has its own special needs which require differential treatment.

Primary Education as a Profession for Women.

THE steady decline in the entry of boys to the primary teaching profession has now become so pronounced in many districts that there have been no boy-student teachers for many years. On the other hand, the supply of girl entrants has always been steady, though subject to periods of diminution. Owing to the insufficient salaries now given to teachers in primary schools, considerable numbers of men teachers have been unable to exist, and, in consequence, they are eager to take up official posts in educational administration and allied fields of work. The brighter prospects afforded by the new continuation-school service and secondary schools are being closely studied by primary-school teachers, and there is not the slightest doubt that they will largely apply for the new posts, and that, as a result, the dearth of men teachers in the primary schools will be gravely accentuated. The movement is almost certain to extend to the head masters of primary schools, who will have the prospect of adding £100 per annum or more to their salaries, with an appreciable diminution in their scholastic responsibilities. It would appear, therefore, that the economic factor will tend, with cumulative force, to eliminate men teachers from the primary schools.

The Return of the School Medical Officer.

THE demobilization of school medical officers will enable one of the most hopeful departments of public service to be resumed effectively. The health of the nation's children has suffered severely from the influenza and measles epidemics which have prevailed during the last war years, and teachers have been hopelessly at sea in their endeavours to cope with the conditions of school health which have prevailed. The attachment of a doctor and nursing staff to each group of local schools could not fail to work a wonderful improvement in the health of children. Owing to the enforced neglect of remedial treatment connected with eye, ear, teeth, and throat troubles of children, it is possible that there has been a greater liability to contract prevailing sickness. School attendance throughout the country shows a grave diminution during the last few years, and this has prevented children from securing the fullest benefit from the teaching given in the schools. There is a general feeling among teachers that the full resumption of school medical inspection will serve as an efficient check to the infectious diseases of children.

N.U.T. Notes.

THE decision of the Executive to recommend the admission of uncertificated teachers to full membership of the Union upon the same financial terms as ordinary members opens out the prospect of a considerable extension of Union activity. There is no doubt that the passage of the Superannuation Act gave a great impetus to the movement in favour of widening the basis of Union membership, and there is every prospect that the Easter Conference will adopt the recommendation of the Executive. In this event the membership of the Union is certain to increase substantially; it already exceeds 100,000, and there are sufficient uncertificated teachers to give a 40 per cent. advance upon this total. One result of the closer association of the two grades of teachers would probably be to encourage uncertificated teachers to qualify for the full certificate; another would be to dispel the sectional feeling which has tended of late in certain areas to creep into the schools; a third would be to improve very materially the status and prospects of uncertificated teachers. So far as the Benevolent and Orphan Funds are concerned, there have never been any differences between certificated and uncertificated teachers; the latter have, in fact, been among the most strenuous supporters of the Funds; and the common meeting ground of the professional charities has always served as a binding link among all grades of teachers. It may be anticipated, therefore, that the inclusion of uncertificated teachers within the Union will signify the absolute cohesion of primary school teachers as a professional body.

AN important and fully representative Sub-Committee has been appointed by the Executive to consider and report upon (1) the question of the promotion of pupils from primary to secondary or other higher schools; (2) the basis upon which scholarships should be awarded from one type of school to another. These questions arise naturally from the programme of reconstruction in education recently drawn up by the Executive. It is proposed by the Executive to submit the scale of salaries for secondary-school teachers as a specific motion on the Easter Conference Agenda. The arrangements for the Cheltenham Conference show that the social side of the gathering is to be resumed. During the war-years the programme was severely restricted to professional and educational matters. It is suggested that the Mayoral reception, or "At Home," and the Conference Ball shall be resumed this year; and no doubt college reunions upon a generous scale will be organized once more during the evenings of Conference week. The return of so many thousands of service teachers cannot fail to react favourably upon the professional and social sides of the Annual Conference; and the Easter meetings this year promise to be exceptionally interesting and successful.

CORRESPONDENCE.

EDUCATION WITHIN THE ARMY.

To the Editors of *The Journal of Education and School World*.

SIRS,—The "Occasional Note" in your February issue gives a fair description of the present position of what is known as the Army Education Scheme. But one gathers from the semi-official *communiqués* which from time to time are issued to the lay press that education *within* the Army—with accent on "within"—is the more correct title; indeed, a number of acute civilian observers, accustomed to weigh the meaning of words and phrases, have already noted this distinction.

It would be unfortunate if the War Office authorities and S.D. 8 were to adopt a *noli me tangere* attitude towards their educational efforts, as implied by this unhappy choice of title, or to take up a position of dislike to criticism and suggestions from civilian outsiders, who may happen to know something about education and have a longer experience. On the contrary, the War Office, being new at the job, should welcome all the criticism and help they can get, and be ready to furnish such details of what they are attempting as will enable civilian educationists to judge of its value.

The present position of the Scheme of Education within the Army, and the methods of continuous press advertisements of S.D. 8, is rather suggestive of the showman at the fair, who stands outside his tent beating a big drum, and cries, "Walk up, ladies and gentlemen; walk up and see the wonderful performance that is going on *inside*."

Now, the fact that two millions of pencils and fifty tons of books have been carried into the tent for the performance does not impress the educationist outside, who is unaccustomed to measure his activities or render his educational statistics to the public in that way. It would be more instructive if some of the performers inside the tent told us what they were doing, because the military only are allowed inside the tent—the entertainment is for soldiers only.

Neither does it give us educationally useful information to be told that the performance inside includes every subject, ranging from bootmaking to Chinese—from folk-songs to shorthand. But it rather staggers educational administrators outside, who have for years been struggling with a less ambitious programme, and know full well that, after demobilization, it will fall to their lot to continue the performance in the open. The very amplitude of the programme causes them to wonder whether S.D. 8 and the showman have not got "our Mr. Fisher" inside their tent disguised as a colonel!

And the whole movement has sprung up so suddenly that we hardly know where we are. First a small body, S.D. 8, appointed by the War Office—but on what principle and on whose recommendation as to educational fitness and experience nobody knows—and with one civilian assistant, selected by themselves, to direct their footsteps. Apparently this body is a sort of military Board of Education, and takes unto itself a large number of people as a sort of advisory committee, whose functions, so far as we are permitted to know, are not yet clearly defined.

Next we have a number of staff officers for education, selected and appointed by S.D. 8 and attached to the various commands. What the duties of these are is not made evident to the civilian; but they may be compared to County Education Officers working

(Continued on page 160.)

DUSTLESS and HYGIENIC SCHOOLS

On all School, Laboratory, Library, &c., Floors and Linoleums of every description

USE**FLORIGENE** (Regd.)**VERY EARLY** in the **EASTER VACATION** for Best Results.**(BRITISH MADE.)**

It is **IMPORTANT** to **NOTE** that **ONE APPLICATION** of "Florigene" **ALLAYS** the **DUST** and **DIRT** for **2 TO 12 MONTHS**, according to traffic, not only during each Sweeping (without sprinkling of any kind) but also throughout all the intervening periods—which is of greater hygienic importance. "Florigene" is also easily and quickly applied, and saves time and labour.

These sanitary, labour-saving, and economic advantages are **NOT** attained by sweeping-powders or any mechanical or other method.

Send for Particulars, Medical Reports and Testimonials, to the Sole Manufacturers:

The "DUST-ALLAYER" Co., 4 Vernon Place, Bloomsbury Square, London, W.C.1.
 Contractors to the Admiralty, War Office, H.M. Office of Works, Colonial Gouts., L.C.C., &c.

SPECIALISED POSTAL COACHING

—under a Staff of Honourmen and Barristers-at-Law—for all

ACCOUNTANCY
 AND
SECRETARIAL
APPOINTMENTS

and Higher Commercial Examinations.

"STUDENTS' GUIDE"
 sent on receipt of 2d. stamps.

METROPOLITAN COLLEGE
 (Dept. J. E.), - - - ST. ALBANS.

AUGENER'S EDITION
CLASSICAL & MODERN MUSIC

Engraved and Printed in England

LARGEST CATALOGUE OF
 EDUCATIONAL MUSIC
 :: IN THE EMPIRE ::

AUGENER'S SCHOOL DEPT.,
 18 Great Marlborough Street, London, W.1.

EDUCATIONAL BOOKS
PRE-WAR PRICES.

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
 13 Paternoster Row, London, E.C. 4.

DUBLIN
UNIVERSITY CALENDAR,
 1918-1919.

Vol. I.—Containing the different Courses, and the Ordinary s. d.
 Papers set in 1917-18 Price 2 0
 Vol. II.—Containing the results of the Examination, &c. Price 2 0

*Also nearly ready:***DUBLIN EXAMINATION PAPERS:**

Being a Supplement to the Calendar for 1918-1919. Price 4s.

Dublin: **HODGES, FIGGIS, & CO., Ltd.;**
 London: **LONGMANS, GREEN, & CO.**

**BACON'S WALL MAPS****CONTOUR OR POLITICAL COLOURING.**

5s. 6d., 7s. 6d., 12s. 6d., 21s.

Maps of

ENGLAND
SCOTLAND
IRELAND
BRITISH ISLES.
NORTH AMERICA.
CANADA
UNITED STATES
PANAMA
SOUTH AMERICA
INDIA
AUSTRALIA
NEW ZEALAND

will not be affected by the findings of the Peace Conference, and will not be out of date in the course of a year or so. We have modern Maps of the World, Europe, Asia, and Africa, for present use, but shall issue revised editions as soon as possible after the public announcement of the fixing of the new boundaries. Contour, Physical, and Economic Maps, of which we have a large range in two sizes—30 by 40 inches and 5 by 4 feet—are not affected politically.

*Send a postcard for our Catalogue, Specimen Sections, &c.***BACON'S MODERN ATLASES**

CONTOUR, 10d. and 1s. net.
CONTOUR and POLITICAL, 1s. 3d. net.
POLITICAL, 16 Maps 6d. net.; 32 Maps, 1s. and 1s. 6d. net.
PHOTO-RELIEF and CONTOUR, 1s. net.
UPPER CLASS ATLASES, POLITICAL, with Letterpress, 10 in series, 6d. and 8d. net.
"THE MAP AND ITS STORY," a Physical Atlas with Letterpress, 1s. 3d. net.

C. W. BACON & CO., LTD., 127 STRAND, LONDON, W.C.2.

under the parental control of S.D. 8. Under them in some way come the education officers for camps and formations, the principle of whose selection is not clear. Apparently these gentlemen do the work: the others talk about it. The chief trouble is that these camp and formation education officers are constantly changing: the apparent life of any one of them at a given centre does not on an average last longer than two months. Now, men may come and men may go, but from the point of view of educational efficiency it seems desirable to keep the same education officer at the same camp, even if all the students move on and a new lot comes in; and similarly to retain as much of the original teacher staff in the same camp or garrison as military requirements will permit, even if they have to be transferred from an outgoing to an incoming unit.

The inherent defect of the Scheme of Education within the army is one of principle. Instead of a gradual growth and development from below, it is a superimposition from above, founded on a borrowed idea—or ideal. It originated in the individualistic efforts of a number of scattered enthusiasts—Y.M.C.A., Chaplains, and a few officers who were keen on education, who did not spare themselves in their effort to fill up the spare time of the men with whom they were in close personal contact with something useful and distracting from the monotony of trench warfare. It was a thing in which the enthusiasm and personality of the teacher was everything. In this stage there were no limits to which the movement might not aspire. It was voluntary, and based on individualistic enthusiasm. Now the whole thing is poured into a rigid War Office mould, with all the stricture of military control, and, so far as parade lectures are concerned, with the added taint of compulsion.

But the original enthusiasm is still there—some of it. One enthusiastic General has visions of a sort of university within the Army, as the result of the ministrations of S.D. 8. At present, however, the methods of that august body appear to be those of hurried improvisation—of teachers manufactured while you wait, in courses of a few weeks' intensive study of theory and practice of teaching adults, hardly a secure foundation on which to build up a university. Hasty improvisation of education in war time and in a war atmosphere is understandable and bearable, but will it be accepted when the stress and strain of war atmosphere is removed? Will not the more serious students under the scheme for education within the Army seek to get their education from civilian teachers outside rather than submit to makeshift improvisation and compulsion within? And if their teachers within the Army are demobilized back to their civil education work, will not these students try to follow them out?

Obviously, therefore, it is expedient for the Local Education machinery to get into close touch and co-operation with the military. It is not for me to say how, but I might suggest that the civilian element should loan a certain number of its administrative and teaching staff to the military, to act as education officers and teachers in camps and formations, attaching them to the Y.M.C.A. for that purpose, and so avoid the necessity of giving them temporary military rank. This plan has the merit of not disturbing the military machine, and avoids the necessity of transfer of military education officers and teachers when units are moved to and from a camp, and so secures the permanence and stability requisite for any real educational work. To such an organization professional teachers already in the Army would naturally gravitate, as well as any students the military could permit to remain in the camp till called for to rejoin their units.

It would not be education *within* the Army strictly, but it would be education near it, and it would throw teachers and scholars into the hands of those people who will have to handle them when they are demobilized. Also the Y.M.C.A. being a flexible body, accustomed to conditions of camp life, could supplement any educational requirements that the Local Education Authorities could not conveniently meet, and being adaptable and experienced in its daily contact with soldiers, would avoid anything like friction with the military authorities.

The Overseas Dominions, with whom the idea of education in the Army is said to have originated, have, I believe, another plan. They hand over the education business to the military section of their Y.M.C.A., giving its chief teachers and organizers honorary commissions, in order to bring them technically within military jurisdiction, while leaving them educationally a free hand. In this way the Y.M.C.A. are able to draw in and reinforce themselves from civilian sources as required, and I am told this plan works well. Anyway, the great thing just now is to forge a strong and effective link between the civil and military elements, and not to keep the administration of the education of the soldier boxed up *within* the Army.

Finally, this Army Education Scheme must be a tender plant if its authors cannot stand criticism and suggestions, and they should also remember that even the tenderest plant may be killed with too much fertilizer.—Yours faithfully,

CIVIS.

BOOKS WANTED FOR EGYPT AND SALONIKA.

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—On behalf of the Universities Committee of the Y.M.C.A., I should like to appeal through your *Journal* to members of the teaching profession for their assistance in the provision of textbooks for our educational work in the Army. As you are doubtless aware, many thousands of our soldiers overseas have for the last six or seven months been attending the various educational classes organized by this Association. Those in France are sufficiently well provided with textbooks, but our present funds—for which we depend entirely on public generosity—do not enable us to supply the urgent demands that have come to us from Egypt and Salonika. It would be a great pity if the work so hopefully begun were to suffer from lack of books. It is of national importance, though it has no national funds behind it, and I therefore venture, as an old schoolmaster, to make this appeal for help to schools.

I shall be pleased to supply a list which will indicate the books specially wanted in various subjects. Any of these, if no longer needed, and in fairly good condition, will be very welcome, and the donors may be assured of the sincere appreciation and gratitude of the gallant men who will use them.

Books collected should be sent to the Red Triangle Library, Wimborne House, Arlington Street, London, S.W.1; and sacks for packing and addressed labels will be forwarded on application.—Yours truly,

A. WATSON BAIN,
Secretary and Librarian.

THE EDUCATION OF THE SMALL-HOLDER.

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—I should be very grateful if any of your readers could advise me concerning the training of a lad of sixteen and a half, who desires to take up some form of out-door work in this country as a means of livelihood. He would like, ultimately, to become a small-holder. The difficulty is, How is he to train for such work? So far as I know, there is no school or college in this country where he could be thoroughly prepared for such work, though I understand that girls who want to become small-holders can be given practical and scientific instruction in market gardening and stock-keeping by the Land Army. Who shall say the female sex suffers from any disabilities nowadays?

The lad in question has a most marked aptitude for gardening, has successfully run his own allotment for the last two years, and has for the last year worked under a first-rate gardener on a nobleman's estate. It is now desired that he should go for a year or two and study the scientific side of fruit, vegetable, and flower-culture and stock-raising. I want, therefore, information concerning (a) a suitable college for this purpose in the British Isles, (b) scholarships to enable the boy to take advantage of such training, if it is to be obtained; or, failing (a), could any of your readers tell me of a successful small-holder who would take such a lad as a pupil?—Yours truly,

February, 1919.

A TEACHER.

SOLDIER TEACHERS FROM OVERSEAS.—The inaugural meeting of a Conference called by the League of Empire for soldier teachers from overseas was held at the India Office on February 8. Prince Arthur of Connaught presided, and in welcoming the teachers said that their service at the front had been all the more valuable because they were an educated and disciplined body of men. He trusted that they would see as much as possible of the Motherland and would return home to prove themselves as good citizens of the State as they had been brave soldiers in face of the enemy. The President of the Board of Education mentioned that 20,000 elementary-school teachers of this country had served in the War. The campaign, he said, had taught the visitors much, and they would be able to tell their people at first hand how worthily our Army and Navy had upheld the traditions of our common forefathers. Sir Cyril Cobb said that the London Education Authority would do its utmost to make the oversea teachers acquainted with our educational methods, and to enable them to exchange views with English teachers, which should go far to strengthen the bonds of sympathy between members of the profession all the world over. The Archbishop of Canterbury, in proposing a vote of thanks to Prince Arthur, said that teachers had found great opportunities on the field of battle and at the fronts generally, and had used them nobly. They would be able to teach the history of many parts of the world all the better for having had personal acquaintance with the places of which they taught. The Conference inaugurated the scheme described in our last issue by the Head Master of Winchester College for the War Memorial Buildings in London to form the headquarters for teachers of the Empire.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1913).

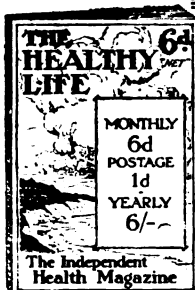
In accordance with the above-mentioned Order, a
REGISTER OF TEACHERS
is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C. 1.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W. 1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



PLIMSOLLS. Owing to the shortage of these shoes we have brought out a substitute, a plain black canvas one-strap shoe with "jute soles," a shoe that will wear well for drill or play. Having no rubber in them, they will not "draw" the feet. Sizes run from 12's child's to 7's ladies, all one price, 3s. a pair. A sample shoe will be sent to Mistresses for approval, and orders booked in rotation for the coming Term.

MADDOCK & SON,
SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.

BADGES & MEDALS

For SCHOOLS, CADET CORPS, CRICKET, FOOTBALL, SHOOTING, BOWLING, &c.
CUPS, SHIELDS, TROPHIES, SOUVENIRS, &c. Our Designs and Value always best.
Also at Birmingham, Bolton, London, & Skipton.
Write **THOMAS FATTORINI**, Bolton.

BOOKS

On Educational, Scientific, Medical, Law, Theological and ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free.

State Wants.

Books Bought.

W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C. 2.

FREEMAN'S
TurtleKON
REAL TURTLE SOUP

A MEAL IN A MINUTE

A. & C. BLACK'S MODERN LANGUAGES LIST

TWO BOOKS.

By E. MAGEE and M. ANCEAU,
Edgbaston High School for Girls, Birmingham.

LECTURES ILLUSTRÉES

(ÉLÉMENTS DE GRAMMAIRE).

Containing 58 Illustrations, of which 32 are in Colour.

Crown 4to, bound in cloth, price 3s. 6d.

Lectures Illustrées serves a twofold purpose. It is intended for children who have already studied a simpler text-book on Direct Method lines, but, to obviate the difficulty of its possible use by beginners, the grammatical exercises have been arranged in the form of revision of the lessons, simply and comprehensively.

In *Lectures Illustrées* the pictures are in themselves attractive as pictures, and interest the pupil in the scenes or the events which they portray. Ideas are thus associated with attractive pictures, and much is gained by this method.

RÉCITS ET COMPOSITIONS D'APRÈS L'IMAGE.

Containing 14 full-page illustrations in Colour
(with corresponding text and exercises).

Demy 8vo, limp cloth, price 1s.

The title of this little book describes its two-fold aim—i.e., that of a Reader and an Introduction to Free Composition in French—and the form of the book makes it suitable for rapid reading. The story or poem at the beginning of each lesson should be translated and learned by heart or reproduced orally. The first lesson, for instance, might be reproduced by three pupils—the narrator, the traveller, and the newsboy. The vocabulary is supplementary, and should enable the pupils to prepare the oral exercises without help.

BLACK'S FIRST GERMAN BOOK

An Elementary Course on Direct Method lines for the First Year.

By L. H. ALLISON,

Organizing Mistress in Modern Languages to the West Riding Education Committee, Yorks.

Small crown 8vo, cloth, illustrated, price 3s. 6d.

In the hands of a competent teacher this new book on Direct Method lines will overcome many of the difficulties that have hitherto attended the study of German in our Schools.

A PHONETIC TRANSCRIPTION of the first thirty lessons is also published, price 1s.

A. & C. BLACK, Ltd.,
SOHO SQUARE, LONDON, W.1.

SELECTED FROM MR. EDWARD ARNOLD'S LIST.

A GENERAL HISTORY OF THE WORLD.

By OSCAR BROWNING, M.A., formerly Lecturer in History in the University of Cambridge. xx+700 pages. Crown 8vo. 7s. 6d. net. Special Library Edition, 8s. 6d. net. Also in Three Parts, with separate indexes, 3s. 6d. net each. Part I, Ancient History. Part II, Medieval History. Part III, Modern History.

Selected Essays from English Literature.

Edited with Introduction and Brief Notes by ELIZABETH LEE. 2s. 6d.

The Essayists drawn upon include: Bacon, Cowley, Steele, Addison, Fielding, Johnson, Goldsmith, Lamb, Hazlitt, De Quincey, Leigh Hunt, Mitford, Thackeray, and Carlyle.

Epochs of English Literature.

By J. C. STOBART, M.A., formerly Lecturer in Ancient History at Trinity College, Cambridge. In 9 vols. 2s. 6d. each. Vol. I. The Chaucer Epoch, 1215-1500. Vol. II. The Spenser Epoch, 1500-1600. Vol. III. The Shakespeare Epoch, 1600-1625. Vol. IV. The Milton Epoch, 1625-1674. Vol. V. The Dryden Epoch, 1660-1700. Vol. VI. The Pope Epoch, 1700-1750. Vol. VII. The Johnson Epoch, 1742-1798. Vol. VIII. The Wordsworth Epoch, 1798-1830. Vol. IX. The Tennyson Epoch, 1830 to present day.

A Short History of English Literature.

By C. E. BAINES, M.A. 400 pages, cloth, 6s.

Covers the entire history of English Literature to the close of the Victorian Age. Very concise and accurate, but lucid and simple.

Grammatical English.

By F. W. G. FOAT, D.Lit., M.A., Lecturer in English at the City of London College, and Assistant Master in the City of London School. 4s. 6d.

Essay Writing and Aids to Composition.

By GUY KENDALL, Head Master of University College School, Hampstead. Cloth, 2s. 6d.

Leading from sentence-structure through letter-writing and descriptive composition to the general Essay. A most suggestive and helpful book.

Modern Essays.

Reprinted from *The Times*, with an Introduction by J. W. MACKAIL, LL.D. 5s. net.

A selection from the "Third Leaders." Fine specimens of pure, modern English, affording unique models for Essay-Writing and Composition.

A History of England.

By Prof. C. W. OMAN, Oxford University. 760 pages. Cloth, 7s. 6d. The continued popularity of this famous History is the best proof of its excellence for school purposes. Also in Two Parts, 4s. 6d. each.—Part I to 1603; Part II, 1603-1902. And in Three Divisions—Div. I to 1307, 3s. 6d.; Div. II, 1307-1688, 3s. 6d.; Div. III, 1688-1902, 4s.

A Social and Industrial History of England.

By F. W. TICKNER, D.Lit., M.A., B.Sc. (Econ.) London, late Lecturer on History at the Islington Training College. Illustrated. 7s. 6d. Also in Three Parts, 3s. each.

School World.—"This exceedingly attractive book is intended by its author to present 'such an outline of the nation's development along social and industrial lines as should, in his opinion, be read by all young students as part of their work in history.'"

The Last Century in Europe, 1814-1910.

By C. E. M. HAWKSWORTH, Assistant Master at Rugby School. 526 pages. 7s. 6d. net.

The Ancient World.

An Historical Sketch. By C. DU PONTET, M.A., Assistant Master at Harrow School. With Maps. 6s.

The Days of Alkibiades.

By C. E. ROBINSON, M.A., Assistant Master at Winchester College. With a Foreword by Prof. C. W. OMAN. Illustrated. Second Edition. 6s. net.

Sketches of daily life in Athens, in Alkibiades' time, in narrative form, and comprising descriptions of the various duties and avocations of the Athenian citizen.

Jerusalem under the High Priests.

By EDWYN ROBERT BEVAN, M.A. Demy 8vo. 7s. 6d.

Originally written in the form of lectures, the subjects of which are: (1) The End of the Persian Period and the Macedonian Conquest; (2) Hellenism and Hebrew Wisdom; (3) Judas Maccabæus and His Brethren; (4) The Hasmonæan Ascendancy; and (5) The Fall of the Hasmonæans and the Days of Herod.

A Class Book of Geography.

By A. W. ANDREWS, M.A., F.R.G.S. Cloth, 7s. 6d.

A systematic text-book for Upper Forms, based on the study of Physical features. Interesting Original Diagrams are freely employed.

Grammaire Française.

A l'Usage des Anglais. Par E. RENAULT, Officier d'Académie; Lecturer in French at the University of Liverpool. viii + 360 pages. 5s.

Conspicuous for its wealth of illustrative examples, the result of a wide reading and critical power.

French à la Française.

A new series for children beginning French, by Lady Bell, author of "French without Tears," and Mrs. Charles Trevelyan. Illustrated by "Fish." With Notes and Vocabulary. Crown 8vo, cloth. Book I, 10d. Book II, 1s. Book III, 1s.

Latin Prose Composition.

By W. R. HARDIE, M.A., late Professor of Humanity in the University of Edinburgh. 5s.

The Acharnians of Aristophanes.

With Introduction, Critical Notes, and Commentary. Edited by W. RENNIE, M.A., Fellow of Trinity College, Cambridge; Lecturer in Greek at the University of Glasgow. 6s. net.

A Textbook of Physics.

By R. S. WILLOWS, M.A., D.Sc., Head of the Department of Physics at the Sir John Cass Technical Institute, E. 280 Diagrams. Second Edition. 7s. 6d. net.

Written up to the standard required for the Intermediate Examinations of the Universities and for the Civil Service Commission.

A Manual of Human Physiology.

By LEONARD HILL, M.B., F.R.S., Director, Department of Applied Physiology and Hygiene, Medical Research Committee. With 173 Illustrations. 7s. 6d.

ARNOLD'S EDUCATIONAL CLASSICS.

The leading idea of this series is to present selections from the works of the greatest writers upon education, with just so much of Introduction and Commentary as is necessary for their intelligent study. The present series of volumes, edited in each case by a well-known expert, under the general supervision of Professor J. W. ADAMSON, selects the most characteristic passages from a wide range of writings, so that in future it will be possible to study them at first hand without the labour of perusing much superfluous matter.

5s. net per volume.

Vives and the Renaissance Education of Women.

Edited by FOSTER WATSON, M.A., Professor of Education in the University College, Aberystwyth.

The Educational Writings of John Locke.

Edited by J. W. ADAMSON, Professor of Education in the University of London.

Rousseau on Education.

Edited by R. L. ARCHER, M.A., Professor of Education in the University College, Bangor.

Pestalozzi's Educational Writings.

Edited by J. A. GREEN, Professor of Education in the University of Sheffield.

Froebel's Chief Writings on Education.

Edited by S. S. F. FLETCHER, M.A., Ph.D., Lecturer in Education in the University of Cambridge, and J. WELTON, M.A., Professor of Education in the University of Leeds.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

PITMAN'S

HANDWORK and GEOGRAPHY

G. PICKERING, F.G.S.,
and J. B. ROBINSON, F.R.G.S.

Most of this book is a handy guide, with numerous useful exercises to all the outdoor work which lies on the borderland between Mathematics and Geography, and forms an elementary introduction to Surveying and Geodesy.

Well illustrated.

Part I, 102 pp.; Part II, 140 pp., each 3/- net.

FIELD WORK FOR SCHOOLS

E. H. HARRISON, B.Sc., L.C.P. and C.A. HUNTER.

Commences with linear and angular measurement, and contains exercises on all the various operations necessary in making a map. Triangulation, measurement of heights and distances, &c., are dealt with in a simple manner.

1/6 net.

TYPICAL SCHOOL JOURNEYS

G. G. LEWIS.

The Author is well known as one of the pioneers of the School Journey Movement, and he has in this book described a series of open-air lessons which have actually been given to his scholars on Hampstead Heath and elsewhere.

1/9

IN THE GARDEN

J. EATON FEASEY.

A series of lessons in Nature Study—mainly plant life—to be given in a school garden. The course is complete as far as it goes and should be of the utmost value to all schools which have a garden.

14 full-page plates and other illustrations.

2/-

GARDEN AND PLAYGROUND NATURE STUDY

By the same Author.

"The Author . . . travels a somewhat new road in Nature Study, and the result is refreshing. It is a well-written book profusely and well illustrated by photographs and line drawings."—*Schoolmaster*.

65 Illustrations.

2/6 net.

IN THE OPEN AIR

By the same Author.

A series of outdoor lessons in Arithmetic, Mensuration, Geometry, &c., which shows how the playground and school garden can with great advantage be utilized for many lessons now given in crowded classrooms.

1/9 net.

WRITE FOR

CATALOGUES AND LEAFLETS TO

LONDON: 1 AMEN CORNER, E.C.4

SIR ISAAC PITMAN & SONS, LTD.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	£5 10 0	One Column [$\frac{1}{2}$ page]	£3 0 0
Half Column [$\frac{1}{4}$ page]	1 15 0	One-Eighth Page	0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—
6d. per line; minimum charge, 5s.

Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d. *prepaid rate*.

Lectures, Classes, Non-Resident Posts, &c.—4s words for 3s.; each 8 words after, 6d.; *prepaid rate*.

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C.4;

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London City and Midland Bank, Ludgate Branch." *Postage stamps can only be received at the rate of thirteen to the shilling.*

Notice must be given of all remittances through the Post Office from abroad, stating full name and address of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

EDUCATION OF GIRLS OUT OF SCHOOL.

By AMY B. BARNARD.

IN addition to the three main educative influences of the Home, the School, and the Church, others have been more and more touching girl life during the war. These include Girl Guiding and the work of the Girls' Life Brigades. Both movements have an increasing power in shaping the womanhood of the future. In particular Girl Guiding is bringing under its wholesome and beneficent sway elementary and secondary-school girls at a time when it has become imperative for women to take civic responsibilities, and bring trained minds to bear upon new social and economic problems.

It is obvious that the future destinies of the race are largely in the hands of the schoolgirl of to-day; equally obvious that, with the upheaval attendant on the war, the spirit of unrestraint has touched girl life. It is easier than ever for a girl to degenerate into a flapper unless some uplifting hand rescues her in time. Schools have laboured under peculiar disadvantages during the war, nor do they provide the same kind of mental discipline and character-forming as Girl Guiding. Their influence over day pupils is limited to a few hours daily, is more general than individual, and the teaching is compulsory and paid for—facts palpable to the pupil. For non-studious girls, who shirk home preparation of lessons, and for the specially gifted who race through it, there remain leisure hours; these are Saturday afternoons and evenings, at least, even for the average plodders.

It is just here that "the jolly sisterhood," as Sir Robert Baden-Powell aptly terms it, offers the girl an alluring prospect of play and occupation, which she joyously welcomes, unconscious that she is receiving mental discipline and character-training of the finest kind, that appeals to her nature as the Boy Scout training does to her brother's. It is,

therefore, not surprising that this movement has spread to Canada, Australia, New Zealand, South Africa, India, the West Indies, the United States, Denmark, France, Holland, Norway, Portugal, Russia, Sweden, and that there have even been three companies of Guides among the Serbian refugees in Corsica. In England the formation of new companies cannot keep pace with available "Guiders," and, though over 100,000 girls are enrolled, but a fringe of the mass of girlhood has yet been touched. This growth has proceeded steadily since 1915, when the charter of incorporation was received; but the pace was accelerated during the later years of the war. In six months one county alone increased its companies from ten to thirty-seven. Evidently the movement has gripped the imagination of the girl mind, and is bound to have increasing influence upon it.

What value has the training as a factor in the girl's education? In the first place, she voluntarily and gladly submits to it. She is proud to be a Guide. Instead of selfish idling and waste of the golden years of the teens, she is possessed by the spirit of service. Even the little Brownie of eight promises "to help other people every day, especially those at home." In the service of their country senior guides have done valuable war work, helping in military hospitals on Saturdays and Sundays, collecting materials for munitions, picking fruit and working on farms, performing orderly duties in Government offices, and distinguishing themselves for gallantry, especially during air raids.

The Guides have shown that their training induces self-discipline. A serge sleeve covered with proficiency badges has proved the strongest recommendation for a girl wishing to be trained for hospital nursing. Watch a patrol undergoing the test for proficiency in bandaging, and the reason for her welcome is explained. To bandage with the swift and sure touch of the expert, to read Morse code signalling, to launder an irreproachable pile of garments, to cook an appetizing meal, and to turn sick nurse in an emergency at home are accomplishments a girl thinks worth while. The training in handicrafts brings into play faculties little aroused at school, and the self-discipline required to work quickly, patiently, and accurately is stimulated by loyalty to the patrol and company. "Use your eyes" is one of the first axioms impressed on the learner. Hands and thoughts are busy over useful or ornamental work, while the mind is being self-disciplined. The only punishment needed is consciousness of failure to ensure the proficiency of the patrol. Whole-hearted loyalty is paid by the average Girl Guide to the captain of her company, who on her side delights to inform one, "They teach themselves!" A touch of army punctiliousness in saluting, in scrupulous attention to the details of the neat uniform, and in the use of some army terms, is an aid to discipline, suggesting to the girl the dignity and responsibility of being a Guide.

The Guide learns to be neat, obedient to orders, respectful, helpful, quick-witted, deft-handed; but she also learns, by physical exercises, study of the laws of health and games, to preserve her body in health. Very wisely, drilling, boating, swimming, cycling, camping, life-saving, first aid, home nursing, care of children, natural history, and woodcraft come within the scope of training, and proficiency tests for additional subjects are added to the list from time to time. A few essential tests are obligatory; from the rest the girl makes her choice.

Many a form mistress would open her eyes in astonishment if she watched a patrol leader showing half-a-dozen learners how to tie complicated knots, to bandage a fractured leg, to act as interpreter, to shoot, or to make a blouse. There is no class distinction—*esprit de corps* banishes that. The Guide works not for a prize attainable by one girl alone, but for proficiency and promotion: a Brownie wishes to be a Tenderfoot; a Tenderfoot, a Guide; a Guide, a Senior Guide. If a Guide's patrol, the Snowdrops, wins fewer badges than another, the Forget-me-nots, she is ashamed, and determines to try harder at the next test. There is wholesome rivalry without ill-feeling.

An admirable characteristic is the comprehensiveness of

the training. Book learning and practical information are required, but there are other necessary accomplishments. In school and college clever students of abstruse subjects win the prizes; here character, control of others, power to teach, good behaviour, steadfastness to duty, and kindly helpfulness are recognized as of the highest importance. The camaraderie, the sociability of her comrades would cure any recluse. The girl Guide finds it natural and easy to work with others. Educative games are an attractive feature of the winter rallies, and some captains are clever at organizing such as involve quick perception, rapid thought, memory of names, places, colours or numbers, adapting the training of kindergarten and "Montessori" to the age of the teens. "The girls love it," remarked one enthusiastic captain at the end of a delightful afternoon so spent.

A girl Guide can hardly be other than patriotic, and that in the best sense. "To be loyal to God and the King" is the first of the promises she makes—on her honour.

Very important in the eyes of the girls is the enrolment ceremony, when pledges are given by the new recruits; it might, indeed, in the placing of the hat upon the head and the pinning on of the badge, remind the girl of the ceremony of knighting. The earnest look on the young girl's face, the kindly expression of the motherly commissioner as she remarks, "I trust to your *honour* to keep this promise," make an indelible impression upon onlookers.

The objection sometimes heard, that Girl Guiding distracts from school studies, and absorbs time that should be devoted to them, is met by the reply that large secondary schools and boarding-schools are glad to have companies of guides, the time absorbed being amply justified in the all-round mental and physical benefit received by the scholars.

The movement inculcates tolerance, for it is non-political, non-class, and non-sectarian; it also has a spiritual influence, for every Guide is expected to attend a place of worship. Often the hall attached to this serves as head-quarters, and the company is recruited from the congregation. In such an environment the finest companies flourish, and their music is a special feature.

Future historians will probably regard as a most important factor in the education of girls in this democratic age the movement initiated as a sister organization to the Boy Scouts, both of which have now attained world-wide significance.

EDUCATION OTHER THAN ELEMENTARY.—In an address delivered at the annual general meeting of the Association of Directors and Secretaries on January 6, Mr. W. A. Brockington, Chairman of the Association, spoke among other subjects on the passage of talented children from the elementary to the secondary school. He pointed out that the obligation to keep their children at school between the ages of fourteen and sixteen will bear heavily upon the poorer classes of the community, unless there is a large increase in the number of secondary school scholarships with substantial maintenance allowances. Moreover, the necessity of placing all secondary school scholarships upon a qualifying and not a competitive basis becomes urgent. We shall have to estimate the number of children who will be qualified in any year to receive a full secondary education instead of laying down the number of scholarships which may be competed for. For many years in England we have paid lip-service to the doctrine of equal opportunity. There can be no real equality of opportunity so long as the child of comfortable parents qualifies for entrance to the secondary school by passing an easy admission examination and the poor man's child competes for his place. Referring to the continuation schools which are to be established, he said, in the new continuation school much less dependence can be placed upon the overtime teacher or worker. Some overtime employment will remain. But the number of full-time teachers ultimately required, according to the lowest estimate, is appallingly heavy. There are signs of distrust in many quarters as to the character of the teaching in the new continuation schools. The fear is that it will be too academic. We cannot be content with continuation schools without bias or intention, whether that bias be social or technical. Because continuation schools have been made compulsory there is greater need that they should be made attractive; and they will fail to be attractive unless they have a practical bearing either upon the daily occupation or upon the interests and aspirations of their pupils.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

The Address delivered before the Association of Colleges and Preparatory Schools of the Middle States and Maryland at Princeton, N.J., by President Nicholas Murray Butler, of Columbia University, attracted much attention in the United States, where, indeed, it has been described (*Education*, Boston, XXXIX, 5) as the most forceful and suggestive utterance of the year 1918. We have the report of it printed in the *Popular Educator* (XXXVI, 5). The War, says President Butler, has distinctly helped us. It has killed other things than human beings, and it has burned up other things than towns, libraries, and churches. Gone for ever are German psychology without a soul, and German organization for purely material gain. The War has taught us that the proper place of efficiency is that of the servant of a moral ideal, and that efficiency apart from a moral ideal can accomplish nothing but mischief. We have learnt from it to avoid German ideals, and to cling to those principles and purposes which have made France and Great Britain and the United States what they are. As to American education in the future, it will be well "to insist that education is a process of body-building, spirit-building, and institution-building, in which process skilful and well interpreted use is made of the recorded experience of the human race, of the capacities, tastes, and ambitions of the individual, and of the problems and circumstances of the world in which he at the moment lives. The purpose of this body-building, spirit-building, and institution-building is not simply to strengthen and perpetuate what others have found to be useful and good, but rather by building upon that to carry both the individual and the race farther forward in their progress toward fuller self-expression and more complete self-realization. To attempt to turn education into a merely mechanical process, with a purely gainful end, is nothing short of treason to the highest, most uplifting, and most enduring human interests."

Keeping the higher view of education in mind, we see, continues President Butler, that the knowledge most worth having is that which best nourishes and strengthens the human body, which best furnishes and disciplines the human spirit, and which best contributes to an understanding and improvement of human institutions. Given these standards, the process of applying them becomes one of good judgment and practical sagacity. And if we regard man in his capacity as a self-directing individual, there are three fundamental aspects of civilization which have permanent significance for him, "These fundamental aspects are ethics, the doctrine of conduct and service; economics, the doctrine of gainful occupation; and politics, the doctrine of reconciliation between the two and of living together in harmony and helpfulness. These are the three subjects which must lie at the heart of an effective education which has learned the lessons of the War."

There are not wanting those who decry experimentation as the unprofitable pursuit of fads and phantoms; but education, being a science as well as an art, must use the same procedure as other sciences. And it is because we have obeyed tradition all too slavishly that we still know so little of education, so little of the psychology of the child, so little of the means by which the individual may be adapted to social requirements. America is disposed to lead the way in a quest for light. Thus a number of prominent schoolmen in New York City and the neighbourhood have organized a New York Society for the Experimental Study of Education. Among those connected with it are Prof. E. L. Thorndike (of Teachers College), Prof. G. D. Strayer (President of the National Education Association), and Dr. Abraham Flexner (of the General Education Board), together with many district and associate superintendents. How to make at once the citizen and the scholar a conspicuous aim of American experimentation. Contemporary events indicate that in our teaching we have dwelt too lightly on community life and the interdependence of men; experiment might reveal to the school a means of strengthening the body politic to resist epidemic attacks of civil disorder.

FRANCE.

We have before us an analysis published in *L'Ecole et la Vie* (ii, 18) of Le projet ministériel de relèvement des traitements. From Section V it appears that France will adopt the principle of obligatory Continuation. The chief part of the analysis relates to improvement in the position of teachers. It is intended to guarantee even to the humblest teacher an existence not less comfortable

than that which he enjoyed before the War; and, the cost of living being more than doubled, the fundamental salary of the primary teacher will be raised from 1,200 francs to 2,800 francs. Moreover, the better teachers will be encouraged to qualify themselves for office in the higher primary schools and for the primary inspectorate. Hitherto women have been paid on a lower scale than men; for it was argued that, having no military service to perform, they could reach the higher salary classes sooner than men, and they began to teach at seventeen years of age, the men only at eighteen. Henceforth military service will be reckoned as civil service, and both men and women may commence teaching at seventeen. Duties and qualifications being alike for the two sexes, France recognizes fully and finally the right of women to equality of payment. The appropriation for public instruction before the War was 290 million francs; the increments of salary proposed will involve an annual expenditure of 640 millions.

The name of Chambéry was associated with a certain stigma on French primary teachers. The Republicans of Chambéry met on February 20, 1916, and decided that, in atonement, they would initiate a great movement for a monument to fallen *instituteurs*. It was to be set up before the Ecole normale supérieure of Saint-Cloud, as a witness to coming teachers of the valour of their forerunners. The execution of this plan, delayed by events, is now to be begun. A letter addressed by a Committee presided over by M. Painlevé, formerly Minister of Public Instruction, to all the municipalities of France, invites subscriptions towards the cost of the monument. It says: "5,126 *instituteurs* dead on the field of battle, 6,997 wounded, 30,252 mobilized, form a glorious answer to the charge of disloyalty levelled at the noble phalanx of lay teachers." Of secondary teachers and inspectors, the loss by death in war is set down at 460; whilst Paris and the provincial Universities have to mourn for 259 professors of literature, science, medicine, or law. How these will be commemorated we do not know; perhaps French art will be able to devise some memorial to the dead that is not an eyesore to the living.

GERMANY.

With the opinions and methods of the Spartacus group we are not concerned; the genesis of the name lies perhaps in our province. The original Spartacus was the famous shepherd, bandit, and gladiator who led the rebels in the Servile War of B.C. 73-1, and who, having taken refuge on Mt. Vesuvius, caused his men to glide down the chasms of the mountain (*per fauces cavi montis*) and deliver an unexpected attack on the Romans. Of this Spartacus it does not appear that our own Bolsheviks have ever heard; his name is, however, not unfamiliar in Germany. Hermann Lingg wrote a poem, "Spartacus," which is described as having a truly Roman tone. In 1849, Gottfried Kinkel, poet and revolutionist, founded a socialist review called *Spartacus*, as the organ of enslaved Germany; whilst in 1877 the anarchist, Johann Joseph Most, in his lectures denounced Mommsen as a falsifier of history because he did not see in Spartacus "the one great man that ancient Rome produced." It is stated in German books of reference that Kinkel became Professor of German Literature in the University of London or Westbourne College, and certainly Most edited his journal, *Freiheit*, from London; so that we possess, as it were, literary associations with Spartacus. And do not those *fauces cavi montis* through which the old Spartacists made their surprise attack bear a certain analogy to Tubes? Our readers will remember that Spartacus was eventually defeated and slain by M. Licinius Crassus, the typical capitalist of the Roman world.

INDIA.

The Bombay University has passed the proposed Regulations for a degree of Teaching. The regulations lay down that graduates may be admitted to an examination after two terms kept in a recognized training institution and one year on the staff of a recognized high school, or after three years' service in a recognized high school that makes special provision for the training of its staff. The examination is to be written and oral, the written covering the science, history, and practice of education. It was stated in the course of the debate that a scheme was on foot for establishing a private or aided institution to train teachers for employment in private or aided schools.

WESTERN AUSTRALIA.

From 1872 to 1893 enrolment and attendance in Western Australia remained at a dead level. Then came a rapid upward movement, and at the end of 1917—the Report for which year we have just re-

ceived—there was an enrolment of 47,566, as against 2,338 in 1872, with 86 as the very satisfactory percentage of attendance to enrolment. Education is being more highly valued: twelve years ago it was found necessary to take legal proceedings against one parent, guardian, or employer for every 86 children on the average enrolment; in 1917 there was only one prosecution for every 346 children. The number of schools open at the end of the year was 639—an increase of 35 in twelve months. As to teachers, the percentage of the unclassified fell from 37.9 to 34.9; the average of salary showed a slight decline. Continuation classes grew considerably; but, in general, education ceased at the age of adolescence, and the Australian State is beginning to recognize the futility of expending large sums in laying a foundation that is never to receive a superstructure.

The Minister of Education urges the need of legislation in restraint of the employment of child labour. Although there is no acute poverty in Western Australia, children are exploited to their physical and moral detriment. Many girls, some of them only six years old, are regularly engaged in dancing at music-halls, and are reported by their teachers to be nervous wrecks, undersized, backward, and irregular in attendance of the school. Boys of school age have been found employed in the fish market at a port as early as four o'clock in the morning. Except that children under ten may not trade in the streets, no limitation is set on the power of greed to suck the strength of childhood.

The teachers of Western Australia answered the call of the Empire gladly. Up to the end of 1917 the roll of enlistments included 170 actual teachers and 20 training-college students. No fewer than 32 had given their lives for the cause of liberty, 20 names having been added to the list of the fallen in 1917. The school children were zealous in contributing to various war funds and in providing comforts for the soldiers.

UNIVERSITIES AND SCHOOLS.

WALES.

At the Court of Governors of the University College, Cardiff, held on February 13, Lord Glanely was elected President, in succession to Lord Aberdare, whose term of office had expired. His Lordship is one of the benefactors of the College, and it is, therefore, befitting that he should be called upon to occupy his present office during the critical period of reconstruction. Prof. Trow (the acting Principal) briefly outlined the scheme of development which the College proposes to pursue, though he was careful to point out that the only new experiment they intended to attempt was the foundation of a great school of medicine, which would be of a new type. Research work by whole-time professors would be a prominent feature of the new school, and, therefore, it is hoped that it will become not only a training institution of the first rank for medical students, but in time establish a reputation as a contributor to medical knowledge. The question of control is still in abeyance, and opinion is divided as to the soundness of the recommendation of the Royal Commission. The College objects to an independent controlling body, but in all other respects it endorses the views of the Commission. The main features of the Cardiff contribution to the general scheme of University development would involve an expenditure of £18,250 per annum on the School of Medicine, £3,000 on agriculture, and £31,495 on general purposes, which latter sum would be apportioned for new appointments, salaries, science laboratories, administration, and superannuation. At present the College receives £11,750 per annum out of the total grant of £36,500 to the whole of Wales; but such a sum is totally inadequate for the work, and all future advancement is entirely dependent on far more generous financial help.

Not only at Cardiff, but in the other University colleges, the need for readjustment of the finances has become an urgent matter. Now that hostilities are ended, students are returning in increasing numbers to the colleges, many members of the staffs are being released, and there is consequently much pressure on the existing accommodation. It is therefore important

that the counties should immediately take steps to levy the penny rate in aid of the University, because the contributions of the Government will depend on the amount which is subscribed locally. It is estimated that such a levy will amount to about £50,000, and therefore, as the Treasury has undertaken to contribute on the "pound for pound" principle, the total additional sum of £100,000, which is regarded as the minimum to meet the requirements of the Royal Commission, should be secured. Several counties have resolved already to adopt a penny rate, the latest to do so being Breconshire. Unfortunately, however, every county has thought fit to encumber their contributions with certain conditions, which will, if persisted in, seriously hamper the University authorities in the development of their schemes of reform, and to a great extent make the counties the deciding authorities on questions of University policy. This attitude is strongly to be deprecated in the interest of higher education. Why should not the allocation of the moneys be left to the unfettered judgment of the University? Each of the counties will have a strong representation on the different Committees of the University, and the counties should have confidence in their representatives to believe that no injustice or reckless expenditure will be allowed to pass unchallenged. It is high time that the atmosphere of suspicion which has so often characterized Welsh authorities when they are called upon to act in combination should be dissipated. Breconshire, for example, makes its grant conditional on increased attention being paid to agriculture, and that the counties should be given stronger representation on the Court, &c.; but these are questions which can surely be left to the judgment of the Court, which alone is in a position to take a general survey of the needs of the whole of Wales. The University should be regarded as a national organization, and not as an institution designed to further the claims of a section only of the community; and the sooner this is realized, the more effective will the University become.

By the resignation, through ill-health, of Prof. W. Lewis Jones, Professor of English, the University College, Bangor, has lost the services of a highly cultured and inspiring teacher. He has been on the staff of the College almost from its foundation, and has taken a prominent share in all Welsh educational developments. At Cambridge he gained the Members' Prize for English Essay, and is regarded as an authority on Geoffrey of Monmouth. Mr. Ifor Williams, Assistant Lecturer in Welsh, has been made Lecturer in Welsh, with a seat on the College Senate.

At the Friars' School, Bangor, of which he is the most distinguished *alumnus*, Judge Atkin uttered some very wise remarks on education. In the new era which was opening before the world, everything was going to be different from the world in which they started their careers. The true object of education was to teach boys how to learn, and he should like to suggest that that was the spirit with which they ought to come to school. Let the boys not make the mistake of thinking that on leaving school their education was over. It was only just beginning. It was because of the importance of teaching them how to learn that he attached so much importance to classical education. It was almost unique in this respect, and in his own walk of life he had found that there was no training comparable to classical training for quickening the mental powers. He also strongly advocated the teaching of boys a modicum of law which, in spite of the opinion of many people, was quite a rational subject, for it was founded on reason, and it was impossible to get a true view of English history without some knowledge of law. Besides, they would find one of the great maxims of English law very useful in life—hear the other side.

Last year the Flintshire Education Committee, on the advice mainly of some of the head masters of the intermediate schools in the county, passed a resolution that no school in the county would be allowed to seek recognition as a school for advanced courses. Various reasons, some of them rather original and strange, were put forth in favour of this very extraordinary attitude. However, this year, in defiance of the resolution, the Chairman of the Hawarden School applied for and obtained the privilege of getting the school recognized for advanced courses in science and mathematics. The County Authority, on the other hand, were still unrepentant and stuck to their guns, with the result that the school has been forced to refuse the extra grant. The whole business strikes one as rather comical.

SCOTLAND.

Dr. James Younger and Mrs. Younger, of Mount Melville, have given £30,000 to the University for the erection of a quinquenary Memorial Hall, to be used for graduation ceremonials. The building of a graduation hall was one of the objects in view at the quinquenary celebration in 1911. A sum of over £5,000 was then obtained, and it is suggested that part of this should be spent in building an organ for the new hall. **Mrs. Purdie**, widow of the late Prof. Thomas Purdie, Professor of Chemistry in the University, has bequeathed to the University the residue of her estate, amounting to about £25,000, as a capital fund for the promotion of chemical research, including post-graduate scholarships, equipment, apparatus, &c. The University has also an endowment fund of £8,000, given by Prof. Purdie for chemical research in the new laboratories of the United College.

Mr. Robert F. Barclay has given £5,000 to the University to found a Lectureship on Surgery and Orthopaedics in relation to infancy and childhood. **Glasgow.** This lectureship, as well as the corresponding Medical lectureship, founded by Mr. Leonard Gow, will be connected with the Glasgow Royal Hospital for Sick Children. **Mrs. Loudon**, widow of Mr. George F. Loudon, of Monkton, Ayrshire, has bequeathed to the University £3,000, along with an additional £3,000 from her husband's estate, for the foundation of a Lectureship in Engineering Production, &c. The late Rev. Dr. John Maclean, St. Columba's Parish, Glasgow, has bequeathed £3,500 to the University for the foundation of a Semitic scholarship, open to students of any of the Scottish Universities who have completed their courses of study in arts and divinity, and are preparing to enter the University of the Church of Scotland. The successful candidate must study for at least six months in a country where Arabic is spoken and pursue a further course of study for the remainder of his year of appointment. Dr. Maclean has also bequeathed £2,500 to the University for the foundation of three bursaries in the Faculty of Arts, to be held by Gaelic-speaking students who intend to become ministers of the Church of Scotland. **Mrs. Elizabeth Parlange** has bequeathed £1,200 to found a bursary in Divinity, and two sums of £600 each to found two bursaries in Medicine. The University Court have approved a proposal to establish a Lectureship in Comparative Philology.

The fund for the endowment of a Chair of Commerce in the University is approaching completion, the amount already subscribed being over £18,000. **Aberdeen.** It is hoped that the work of the Chair may begin next autumn.

The scheme issued by the Secretary for Scotland, fixing the areas, districts, and number of representatives on the new Education Authorities, is being much criticized by School Boards throughout the country, and numerous proposals for amendment are being made. Owing to the adoption of the county area, which was doubtless inevitable, the problem of making a fair adjustment of representatives to electorates is extremely difficult. One of the main difficulties is that so large a proportion of the population of Scotland is concentrated in the Clyde and Forth Valleys and their neighbourhood, while in some other parts of the country population is sparse and railway communication is poor. If population alone were taken as the basis of representation, the Education Authorities in the most populous parts would be far too large to be efficient, and in the less populous parts they would be too small. There are, of course, other difficulties—e.g. in counties which are partly agricultural and partly industrial. It seems, therefore, quite impossible to make an ideal scheme.

The salary question is still being vigorously discussed, and in some parts of the country strikes of teachers are threatened. The tension ought to be considerably lessened when the new Educational Authorities are elected, and the multitude of small School Boards disappears.

IRELAND.

Neither of the two Vice-Regal Committees has as yet published its report, although both are near the end of their labours, and will in all probability have completed their work before this issue appears. It will then be the business of the

Government to take the next step. There is no doubt that many reforms in Irish education are needed, and the case for improvement has been strengthened greatly by the sweeping reforms across the water last year. There is one remarkable sentence in the report of Lord Haldane's Committee on the Machinery of Government, which shows how far Ireland lags behind what is now considered a truism in educational progress. It runs: "In the case of education, we find that the principle of concentrating the main functions of central government in relation to a specific service in a single department is already recognized." In Ireland this is not so. We have the National Board, the Intermediate Board, the Department of Technical Instruction—three bodies with little, if any, correlation; while, in addition—certainly in intermediate education—the Castle also formulates rules of its own. Here is a clear case for bringing Ireland into harmony with a "recognized principle." Of the many defects of Irish secondary education, the two outstanding are, first, this, and, secondly, the utterly inadequate salaries of the teachers, accompanied as they are by absence of proper security of tenure and of pensions. Without a clear, definite scheme of reform in these two matters, the various attempts at improvement, praiseworthy as they are in aim and intention, are hampered at every point. During the past year we have had three such attempts—the £50,000 Duke grant, the Registration of Intermediate Teachers, and the new Science and Art Syllabus. It may be added that it is obvious to educational reformers that a thorough reform is compatible with the complete maintenance of the present freedom of religious teaching for all Churches.

During February and the early part of March the Royal Dublin Society have organized a series of evening lectures to be delivered in their theatre dealing with Irish Reconstruction Problems, as affecting the mineral resources, the coal resources, glass, industrial alcohol, the manufacture of Portland cement, horticultural resources, power supply in relation to reconstruction, peat resources, Irish woods and their restoration; but the first place was rightly given to a lecture by Prof. John Joly, who is to be congratulated on his recent election to a Fellowship in Trinity College, on "The British Educational Mission to America." No better service can be performed for Irish education than the publication of what the United States is doing for its children. Prof. Joly, who was a member of the Mission, explained the extraordinary interest shown by the Americans in every educational question, whether it concerned the high school, the commercial high school, the college and University, and particularly the agricultural and technological work of the college and University. He pointed to the very large sums of money spent by the several States, or bequeathed or given by generous patrons, in aid of education. The two great ideals before Americans at the present time were the peace of the world and the wise bringing up of their children. There was equal opportunity for the boys and girls of all classes, and the various branches of education were so arranged that there was no difficulty in the humblest child, provided that he or she has sufficient ability, proceeding from the lowest grade to the highest. In America the University is in close touch with the people, and maintains its hold on them by means of its system of high schools.

The annual meetings of the Classical Association of Ireland were held, as usual, on the last Friday in January in the Lecture Theatre of the Royal Dublin Society. The President for 1919, Prof. W. A. Goligher, chose for the subject of his inaugural address, "The Splendour of Rome." It was bold and brilliant. It compared the Romans with the Greeks, much to the detriment of the latter. The chief characteristic of the Romans he maintained to be "in public and in private affairs a determination, a steadiness of aim, as nearly inflexible as human beings can attain." It carried with it "a deliberate disregard of other people's point of view." Their great gift to the world which they conquered was that of law, order, and peace. He claimed for the Romans that their art was not a mere slavish imitation of the Greek, but had essentially characteristic elements of its own that went much beyond that of the latter; while the Roman literature—Virgil, Livy, Caesar—he regarded as beyond comparison superior to that of Hellas. Such statements were bound to provoke discussion, and the claims of the Greeks were ably put forward by Dr. L. C. Purser and Prof. P. Semple, of University College. The chair was taken by the retiring President, Mr. J. Thompson, Head Master of the High School, Dublin. The President-elect for 1920 is Prof. R. M. Henry, Professor of Latin, Queen's University, Belfast.

Defects of Irish Secondary Education.

REVIEWS AND MINOR NOTICES.

PROF. SORLEY'S GIFFORD LECTURES.

Moral Values and the Idea of God. By W. R. SORLEY. (16s. net. Cambridge University Press.)

Not always is the Gifford Trust fortunate enough to secure a lecturer who enters so truly into the spirit of the pious founder as does the writer of this book. He starts by quoting certain passages from Lord Gifford's will, and leaves it to the reader to judge how far the lectures here reproduced fulfil the conditions of the trust. Without dealing with religion, as that term is technically understood, Prof. Sorley has done true religion an eminent service by removing many of the difficulties that religious people of philosophical leanings sometimes experience. As was to be expected, he adopts the idealistic position. His thesis is that the system of things is a universe, and not a multiverse, and that purpose is of its very essence. He declines, therefore, to separate morality from reality as two independent entities. He believes that what should be may fairly be taken as a guide to what *is*. Morality has reality, but not independent reality. It is self-sufficient to the extent of having objectivity. He distinguishes between the scientific view of the universe as a system of causes and the ethical view that sets up a system of values, and he maintains that the values have as clear an objective validity as the causes of the man of science. The stupendous whole of the universe cannot be split up into separate parts. "A living whole cannot be identified with the parts into which it is capable of analysis, nor be regarded as the sum of these parts."

This sets the inquirer on a hunt for the driving-force of the universe, and Prof. Sorley makes capital play with the distinction between deism and theism, his examination resulting in as satisfactory a point of view as is likely to be reached in such a complicated problem. Even his critical fellow-Scots must be pleased with the skilful way in which the Professor pilots them through the desperately tortuous sounds of the discussion on free-will. To be sure, he has the advantage of calmly declining to recognize any real contradiction between divine foreknowledge and human free-will, but, on the other hand, he does not shirk the still more perplexing problem of the origin and existence of evil. By accepting the doctrine of what may be called delegated freedom, Prof. Sorley retains the most complete freedom for God along with the relatively complete freedom of man. His contention throughout is that ultimately the unity of the universe must be conceived as ethical, and, this being so, God divests Himself of the function of determining actions in certain spheres, in such a way that human beings—Bergson's "centres of indetermination"—may work out their own moral salvation. To the plain man there is something refreshing in this direct reference to the individual. Prof. Sorley is insistent on the practical value of philosophy in everyday life, and is accordingly keen on individuality. "Notwithstanding the abstract arguments which enter into philosophy, its ultimate interest is in the individual." The book is a rare combination of severe reasoning and sympathetic insight into human needs.

HISTORICAL AND DIPLOMATIC PROBLEMS.

The European Commonwealth: Problems Historical and Diplomatic. By J. A. R. MARRIOTT. (15s. net. Clarendon Press.)

Mr. Marriott has been well advised to collect and reprint in this handsome volume revised editions of fifteen articles which he contributed to various leading magazines during the course of the War. They all relate to questions raised by the War itself, though only two of them—viz., the first and the last—are strictly relevant to the title chosen as a general label for the collection. An attempt has been made to give unity to the series by judicious arrangement, and by the forging of slender links, but the attempt has not been very successful. The articles, now called chapters, remain separate and distinct studies. They are none the worse for that. Each is

interesting; each is useful. All deal with important problems; all are well written, and marked by wide knowledge, sound judgment, moderate and balanced opinion.

The question of nationality is treated in the first study: an interesting parallel is drawn between the condition of thirteenth century Italy, as depicted in Dante's *De Monarchia*, and modern Europe, as viewed by Treitschke; and it is shown how both the medieval dreamer and the latter-day realist looked to a German World-power as the way of escape from anarchy. International politics is the theme of Chapters II and III. The one, reviewing the recent books of Sir E. Satow and Dr. D. J. Hill, traces the development of diplomatic practice in modern times, and makes a particular investigation of diplomatic efforts to reunify Europe and prevent war. The other, reviewing the memoirs of several British diplomatists of the mid-nineteenth century, discusses the lines of British foreign policy during the years 1853–1871: some of the deep causes of the War of 1914 are laid bare. The more immediate causes of the conflict are considered in the fifth chapter under the heading, "The Logic of History: the Hohenzollern Traditions." The guilt of Germany is made abundantly clear; the point at issue is revealed as the question whether autocracy or democracy shall prevail in the world.

The next chapter is devoted to a comparison of the relative efficiency of the two forms of government in war time. Originally written in the autumn of 1915, it naturally presents a less favourable view of democracy as a belligerent than it would have done if it had been composed since the collapse of the Central Empires. A general estimate, in Chapter VII, of the place of small nations in the present world polity, leads up to a series of studies of the particular problems of the Netherlands, Poland, Ireland, the Balkan States, the Adriatic. In all these studies the present-day situation is examined in the revealing light of its historical antecedents. The last chapter treats of the project for a League of Nations as viewed from the standpoint of one who is conversant with the record of the achievements and failures of the Holy Alliance and the subsequent Concert of Europe.

TAGORE AS PHILOSOPHER.

The Philosophy of Rabindranath Tagore. By S. RADHAKRISHNAN. (8s. 6d. net. Macmillan.)

Admitting that Tagore is a poet, and not a philosopher, the author of this book sets before himself the task of converting "the vague suggestions of the poet into definite statements, supply the premises, draw out the conclusions, and give the setting where necessary." It will be seen that not much is left for Sir Rabindranath; yet, on the whole, Mr. Radhakrishnan justifies his claim that he is not "trying to find a definite meaning where there is none," nor "confusing his views with those of Sir Rabindranath." The truth is that the poet and his expositor are mystics both, and seem to understand one another; at any rate, the expositor claims in his preface that "the poet has been pleased to express his appreciation of this interpretation of his philosophy."

To the Western mind there are too many words in the exposition, too marked a tendency to say the same thing in slightly different forms; there is, in fact, a certain resemblance in style between the expositor and the poet, so far as we can judge by the prose quotations found in the text. This probably indicates a kinship of thought that ensures the accuracy of the interpretation. Truth to tell, the expositor is sometimes hard put to it to reconcile the attitude taken up by his author on various philosophical and political points, and one cannot but admire the ingenuity with which opposites are reconciled in higher unities. "Rabindranath is a nationalist, but not of the wrong type." In this sentence is gathered up the explanation of his apparently inconsistent views on this critical subject. Tagore is credited with all that is best in Christianity without forfeiting the acknowledged merits of Hinduism. In Tagore East and West meet, whatever Rudyard Kipling may say to the contrary. As a matter of fact, a good deal of the philosophy

(Continued on page 170.)

MACMILLAN'S NEW BOOKS.

ENGLISH LITERATURE FOR SECONDARY SCHOOLS, NEW VOLS.

Ellot. Silas Marner. Abridged for Schools by MAY COPSEY, B.A. Sewed. 1s. 6d.

Dickens. David Copperfield. Abridged and Edited for Schools by H. A. TREBLE, M.A. Illustrated. Sewed. 1s. 3d.

Hindu Tales from the Sanskrit. Translated by S. M. MITRA. Adapted by Mrs. ARTHUR BELL. Sewed. 1s. 6d.

Lay's Pupil's Class-book of English Composition. By ED. J. S. LAY, Author of "The Pupil's Class-books of Geography, History, The Vegetable Garden," &c. Book I (for Children of 9 to 10). Illustrated, 1s. 6d.

Wood's Oral and Written Exercises in English Composition. By ROBERT S. WOOD, Author of "Word-building and Composition Series," &c. Sewed. Primary, 6d. Junior, 7d. Intermediate, 8d. Senior 9d.

A Health Reader for Girls. By AGNES L. STENHOUSE and E. STENHOUSE, B.Sc. (Lond.), A.R.C.Sc. Fully Illustrated, 3s.

The Nursing Times:—"This book will be of immense help to teachers, as the subjects are treated from the point of view of a girl and her particular needs and opportunities."

The British Navy: The Navy Vigilant. By L. COPE CORNFORD. Illustrated, 2s.

The Parents' Review:—"This a book any boy or girl would love."

Physical Geography. With Questions. By B. C. WALLIS, B.Sc., F.R.G.S. Sewed. 1s. 6d.

The Journal of Education and School World:—"The volume furnishes a very complete course in the essential principles of physical geography. and will maintain the high reputation of the series to which it belongs."

MACMILLAN'S SPANISH SERIES. NEW VOLS.

Manual de Correspondencia. With Exercises, Notes, and Vocabulary. By VENTURA FUENTES and ALFREDO ELIAS, the College of the City of New York. 5s. 6d. net.

Leyendas Históricas Mexicanas. POR HERIBERTO FRIAS. Edited with Vocabulary Notes, and Exercises, by JAMES BARDIN. With Maps and Illustrations. 4s. net.

Amalia. Por JOSÉ MÁRMOL. Edited with Exercises, Notes, and Vocabulary. By AMES HAVEN CORLEY, Assistant Professor of Spanish in Yale University. 5s. 6d. net.

W. & A. K. JOHNSTON'S PUBLICATIONS.

ATLAS GEOGRAPHIES.

For Primary and Preparatory Schools.

The World and Its Peoples. Limp Cloth, 10d. net. Tough Paper, 8d. net.

Earth Lore. Limp Cloth, 1s. net. Tough Paper, 9d. net.

British Isles
Europe
Asia
Africa
Australasia
North America
South America
India

Limp Cloth 1s. net. Tough Paper, 9d. net, with index, 1d. extra. *Special Maps*, illustrating Surface, Routes, Climate, Vegetation, Mineral Productions, Manufactures, Distribution of Population and Political Divisions. Practical Exercises at the end of each section.

For Higher Elementary and Lower Forms of Secondary Schools.

British Empire beyond the Seas } Limp cloth, 1s. net. Tough paper, 9d. net. With Index, Cloth, 1s. 4d. net.

Physical Geography, for the Oxford and Cambridge Locals and other Examinations. 2s. 6d. net.

Junior Atlas Geography of the World, containing Orographical Maps, 88 special maps, and 20 sketch maps. 4s. net. Bound together to form a complete Geography and Atlas, 5s. 6d. net.

For Upper Forms of Secondary Schools and University Examinations.

British Isles
Asia
Africa

On a regional basis. 2s. 6d. net each.

For Commercial Schools.

Commercial Atlas Geography. 2nd Edition, for Evening Commercial Institutes, London Chamber of Commerce, Society of Arts, Civil Service, and other examinations. 8s. 6d. net.

WALL ATLAS OF EUROPEAN HISTORY.

An entirely New Series of History Maps.

Designed to show at a Glance the chief Political Changes and National Movements from the

Formation of the Roman Empire to the Beginning of the Great War, 24 Large Scale Maps with insets.

Size 40 by 30 inches.

Each Map mounted on Cloth, Rollers and Varnished £ s. d. 0 7 6 net.

Any Six Selected Maps, mounted as a Wall Atlas on Cloth and fastened together on one Roller with Metal Rims at foot of Maps to prevent curling 2 2 0 net.

The complete Series of Twenty-Four Maps made up into Four Wall Atlases and mounted as above 8 5 0 net.

Detailed prospectus and List of Maps on Application.

PRACTICAL GEOGRAPHY NOTEBOOKS.

Tough Paper Covers, 6d. net each. 40 8vo pages.

1 British Isles
2 Europe
3 Asia
4 Africa
5 Australasia
6 North America
7 South America
8 Physical

Each contains:—Four Contour Maps, Eight Blank Outline Regional Maps, Four Climatic Maps, Squared and Ruled Paper.

MACMILLAN & CO., Ltd., ST. MARTIN'S STREET, LONDON, W.C.2.

which is here extracted from the poetry of Rabindranath may be attributed, without any unfairness, to Hegel. Page 88, for example, is pure Hegelianism. The general effect of reading the first two chapters of the book is that, as a philosopher, Sir Rabindranath is, like Miranda, "created of every creature's best." This does not suggest that the poet is a borrower, but merely that he has used the common stock of philosophy, and his expositor tries to make him original as a philosopher, whereas his excellence lies in his poetry. The chapter on "Poetry and Philosophy" is extremely interesting, and certainly gives help in understanding Tagore's place and influence in Indian thought. The same may be said of the chapters on his message to India and his message to the world. Readers of this *Journal* will be specially interested in Section IV of Chapter IV, in which the poet's views of education are set forth, and the general reader will benefit by the exposition of Tagore's attitude towards the political questions of India. The book is thoroughly well documented, but has no index.

EDUCATION.

A Study of Silent Minds. By K. E. KIRK.
(2s. 6d. Student Christian Movement.)

The sub-title of this book, "War Studies in Education," and the fact that its writer was formerly the London Secretary of the Student Christian Movement, will afford some preliminary clue to its contents and outlook. The treatment is confessedly sketchy, but what it lacks in completeness it amply atones for in suggestiveness and liveness, for it was wrought out on the Western Front, in close contact with those "silent minds" which the writer sees to be both a menace and a waste. Those of us who have anything to do with social reconstruction in its educational aspect will be all the better for having read these earnest and inspiring chapters.

Sex-Lore. A Primer on Courtship, Marriage, and Parenthood.
By Mrs. S. HERBERT. (7s. 6d. Black.)

In this volume Mrs. Herbert sets forth, in a readable because non-technical form, the chief facts regarding courtship, mating, marriage, and parenthood. The treatment is evolutionary, leading up from the reproductive arrangements that exist in the lowest forms of animal life to the spiritualized relationship that characterizes man and woman at their best. A large number of illustrations, borrowed from standard treatises, add to the value and interest of the book. The book will be useful to teachers and parents, but we emphatically do not agree that it is suitable for those "young people" for whom the writer appears to intend it. The main facts should be taught to "young people" as occasion arises, but without all this system and elaboration.

Echo Personalities. By F. WATTS. (4s. 6d. net. G. Allen.)

The aim of this small volume is more closely defined by its sub-title, "A short study of the contributions of abnormal psychology towards the solution of some of the problems of normal education." An introductory chapter on the scope of abnormal psychology is followed by a treatment of crowd psychology, psychopathology, the defective mind, and the supernormal mind—all with reference to their bearing on the education of the normal child. The writer, who is evidently something of a beginner in the literary art, has made an honest study of a subject of which much more will be heard in the future.

A Dream of Youth. By MARTIN BROWNE. With a Preface by Dr. J. N. FIGGIS. (3s. 6d. net. Longmans.)

"A Dream of Youth" is an Etonian's reply to Alec Waugh's estimate of the English public school, as set forth in "The Loom of Youth." We need hardly say that the defence makes much more cheerful reading than did the attack, and this is so not only because of the position taken up by Mr. Martin Browne, but also because of the big-boyish simplicity and directness of his manner of writing. As Dr. Figgis truly remarks, however, the worst compliment that one can pay to a stimulating book is to accept it *in toto*. We are not impressed by Mr. Browne's defence of the classics, and whether he is right in saying that history as a class subject does not call for much mental effort depends, we think, upon how history is taught and learned. But we are sure he is right in saying that the cult of the beautiful has been neglected in every grade of school, to the grave disadvantage of the scholars. He is right, too, in contending that upon the question of sex morality the appeal to honour and chivalry has far more effect upon boys than the appeal to mere safety. He modestly fears that his remarks about sermons and prayers savour of "cheek." We think the apology quite unnecessary. An occasional voice from the pews is as good a thing for the school chapel as for the ordinary church. Mr. Martin Browne's book is certainly well worth reading.

Introduction to the Scientific Study of Education.

By C. H. JUDD. (7s. 6d. net. Ginn.)

This book, from the active pen of Prof. Judd of Chicago, exemplifies a significant change which has for some years been going on in the mode of conceiving the problems of educational theory, and of expounding them to students in training colleges. The former mode consisted partly in writing or lecturing on systematic psychology with a constant eye to its pedagogical applications, and partly in presenting educational theory as it has arisen historically in great books and in the work of great teachers. Both these lines of approach have been abandoned or greatly modified in modern training courses. The new method is that of systematically conceiving and attacking the problems of education as they appear to the educationist (unhappy word!) rather than as they appear to the psychologist or historian, and calling in the assistance of psychology and history as and when such assistance is wanted. In principle this method was adopted in England before it was adopted in America, though American writers have been quicker to utilize the results of quantitative research in education. It is chiefly because those results are so freely employed in Prof. Judd's treatment that his book deserves the attention of English readers.

The Doctrines of the Great Educators. By Dr. R. R. RUSK.
(5s. net. Macmillan.)

Though Dr. Rusk's book bears a general resemblance to many others, English and American, it is sufficiently unlike any of them to justify its existence. It is not a history of education, but a collection of monographs on representative individual educators, from Plato to Montessori. Again, it does not follow the biographical line of treatment, as Quick and others have done, but gives in each case an exposition and criticism of doctrine, with abundant quotation from the original writings. Though biographical details can easily be overdone, we are not altogether convinced of Dr. Rusk's plan of omitting them entirely, because we think that a writer's real meaning can often be exhibited only by placing him in his historical setting. Still, Dr. Rusk's plan has its advantages, not the least of which are that he concentrates on essentials, and that, as is notably the case in the chapter on Froebel, he is led to establish frequent connexions with the doctrines of contemporary and other writers. The book is a careful and useful piece of work, by one who had obviously equipped himself duly for his task.

ENGLISH.

Tom Brown's School Days. Edited by H. C. BRADBY.

Illustrated by HUGH THOMSON. (3s. 9d. Ginn.)

There is no need to praise the illustrations, and, as for the book, it will, we hope, long remain *vivus per ora virum*. Mr. Bradby might have presented to us in full a modern Rugby, or possibly might have done more for us by way of notes, but the volume is delightful as it is. It ranks with "Eothen." Who shall estimate what these two books have accomplished? Let belittlers say what they will.

Macbeth. Edited by CHARLTON M. LEWIS. (2s. 6d. Yale University Press and Oxford University Press.)

This is part of the "Yale Shakespeare" and is a scholarly piece of work. The notes are very brief, but are open to view at the foot of the page; a few longer notes appear at the end of the book. The editor gets out of some difficulties by frankly confessing the play unhistorical. The look of this edition is that of a book that belongs to a well chosen library.

Areopagitica. With a Commentary by Sir RICHARD C. JEBB.
(3s. net. Cambridge University Press.)

The commentary here printed was made for a set of lectures in 1872. It is extremely interesting to have such notes from the translator of Theophrastus. Mr. Verity, in an unobtrusive way, has added an introduction and some supplementary work. Apart from the value of the notes themselves, this little book shows us the way that one scholar works in interpreting another.

Edward Young's Conjectures on Original Composition. Edited by EDITH J. MORLEY. (4s. 6d. net. University Press, Manchester.)

Most people know Young as the writer of "Night Thoughts" which is not on their shelves; and that he should have written so sprightly a piece of criticism as the "Conjectures" will be news: no English edition has seen the light for 150 years. The essay is outspoken enough, and should quicken criticism in the classroom; besides this it is full of good things, its English is admirable, and it well deserves its excellent form and introduction. It is not quite a matter of certainty that Young's diatribes against mimicry and imitation are very "far away" from us; the world has never done justice, for instance, to translators. Without translators the greater part of reading England would be an illiterate swamp, deprived of the Bible and of all ancient history and literature; and to call Virgil

(Continued on page 172.)

"AN IDEAL HISTORY BOOK."

Each chapter treats of such subjects as General Social Conditions, Costumes, Buildings, Modes of Life, Food, Travel, Fairs and Markets, Games, and Industrial Occupations.

A HISTORY OF EVERYDAY THINGS IN ENGLAND

Done in Two Parts, of which this is the first (1066-1499).

Written and Illustrated by

MARJORIE and C. H. B. QUENNELL.

Containing 200 pages, including 86 Illustrations specially drawn by the Authors and reproduced in line and half-tone, also 5 Colour Plates showing the development of Costume.

Price 8 6 net. Postage 6d. extra.

The Second Impression of this remarkable book is now ready.

The demand for it continues to be phenomenal, and early application should be made by those desiring to secure copies.

THE TIMES, dated September 26th, 1918, in a 130-line review, says:

"The goal of the authors of this very charming book is to introduce boys and girls to the life of successive ages, and so to enable them to study history, and indeed special branches of history, in such a way that the evolution of national life should appear a living thing. This we think they have achieved, and it is no mean achievement."

THE SPECTATOR, dated November 9th, 1918, in a 100-line review, says:

"A really delightful book for big children . . . interesting and charming from cover to cover."

THE MORNING POST, dated December 27th, 1918, in a 50-line review, says:

"The heart of John Richard Green . . . would have rejoiced at this history of everyday things and people in England which, though intended for boys and girls of public school age, ought to be read and studied by the parents of each one of them."

An illustrated prospectus will be sent post free on application.

LONDON:

B. T. BATSFORD, Ltd., 94 HIGH HOLBORN,

And at all leading Booksellers.

GEOGRAPHY

THE VITAL SUBJECT

There is only one work which has been specially prepared to enable Teachers to meet the requirements of the "Revised Suggestions—Geography." In these times Geography has become one of the most vital subjects, and "The World We Live In" is the work which enables Teachers to reveal the wonder and romance of Geography to their scholars.

THE WORLD WE LIVE IN

interprets the Revised Suggestions with the accuracy and insight of the very men who inspired them. It presents to teachers of Geography a complete working outfit of knowledge and lessons that will carry them successfully through every requirement. The large number of diagrams gives plenty of blackboard illustrations, and the indexes are so clear that any subject can be turned up in a moment.

A great feature of this magnificent work is the volume of beautiful illustrations from original photographs of many lands which it contains.

NEW LESSONS ON GEOGRAPHY FREE TO TEACHERS AND EDUCATIONISTS

In order that you may know more about this wonderful work, the travellers and scientists who compiled it, what its pictures and articles are like, and how easily it may be yours, a beautiful illustrated booklet entitled "New Lessons in Geography," will be sent free of cost to all who mention "The Journal of Education and School World."

!!! FREE !!!

Post This Form To-day.

To the **WAVERLEY BOOK CO., Ltd. (J.E. Dept.),**
7, 8 & 9, Old Bailey, LONDON, E.C. 4.

Please send me a presentation copy of "NEW LESSONS IN GEOGRAPHY," your special Booklet for Teachers, containing, together with your FREE Offer of a Scheme of Work in Geography for Teachers, full details concerning **THE WORLD WE LIVE IN**. It is understood that I am under no obligation to order anything, having accepted this Free offer of Booklet.

NAME

Send this Form or a Postcard.

ADDRESS

J.E.E. 1919.

"original" is to misuse terms. The editor hopes she has reintroduced this essay; we share her hope.

Johnson and Goldsmith and their Poetry. By W. H. HUDSON. (1s. 6d. Harrap.)

Most of the volumes in the "Poetry and Life" series have received mention; the plan is excellent if there is enough quotation. In this little book eleven pieces are given, including, of course, the famous "Vanity of Human Wishes." The two writers, both tragic, are vividly brought before us: we might have had a reference to or even a photograph of the Johnson and Boswell statues in Lichfield. The bearish Doctor and the attractive Goldsmith cannot be too well known; they would themselves fascinate the young, even if they were not among the immortals.

A Rapid Survey of English Literature. By E. H. BLAKENEY. (2s. Blackie.)

Beginning with Chaucer, this survey puts the main facts very clearly, and adds short and suitable criticism. It is but an introduction. An illustrative passage, sometimes more than one, is added in each case. The plan is new.

Macaulay's Essay on William Pitt the Younger.
Edited by W. K. LEASK. (1s. 6d. Blackie.)

The editor maintains that Macaulay's three essays on the Pitts are invaluable for the history of England's politics from Walpole to the Reform Bill; and this edition with its full notes forms a pendant to the second essay on Chatham, also published by Messrs. Blackie. There is room for a new treatment of these famous essays, bringing them into living relation to present events; is any history "antiquated"?

Antony and Cleopatra. Edited by F. ALLEN. (2s. University Tutorial Press.)

The introduction to this edition is full, and all the help needed is given; even a veteran essayist admits that you cannot say what you would like about "Egypt," especially in schools. The editor has prefixed most useful introductions to each scene.

"Little Plays from Shakespeare."—*A Midsummer Night's Dream.* (1s.) *The Tempest.* (1s.) (Evans Bros.)

Although at first sight the teacher may be alarmed at seeing Shakespeare turned into prose, a further reading will probably lead to a trial of these books. The Shakespeare book published at 5s. gives fuller instructions as to the production of school plays for Shakespeare celebrations; and the drawing and directions in all three books would delight the author of "The Play Way." These are a few signs that teachers are welcoming some real introduction of parts of the great plays into the acting life of children—our true actors.

MATHEMATICS.

A First Year of Mathematics: Geometry and Algebra. By A. THORN. (3s. 6d. Glasgow: Gibson.)

This is the first of a set of volumes intended to supply a concise textbook for each year of an Intermediate School Course. It comprises an introductory section on practical geometry, followed by others on elementary theoretical geometry and on algebra, the latter pursuing the subject as far as the solution of simple equations. The part dealing with theoretical geometry does not go beyond the propositions relating to angles and the congruence of triangles. The basis of treatment is Euclidean, but the author has followed the sequence which is now very generally adopted, and he has catered for divergent tastes by occasionally providing several (in one case as many as four) different forms of proof. There is little in the book calling for criticism, but it may be remarked that the very first exercise in practical geometry seems to lend itself to misunderstanding. Pupils are asked to make a row of points in contact with one another and to measure the length of the row. What deduction are they expected to draw? There is an ample supply of examples to which answers are furnished.

Numerical Trigonometry. By P. ABBOTT. (5s. net. Longmans.)

The author tells us that as yet authorities are not agreed upon the extent of the field to be covered by the term Numerical Trigonometry, and he does not provide us with a clear-cut definition of the same. An examination of the book indicates that it implies little more than a knowledge of the geometrical significance of the trigonometrical functions and ability to apply this knowledge to the solution of all sorts of numerical problems in which the functions naturally occur. It of course also implies ability to handle tables of the functions. No use is made of even the simplest relations between the functions, and the addition theorem is quite outside the field. It is true that a good deal can be done with this limited equipment. Triangles can be solved, though the want of the half-angle formulae makes the solution of some of the cases rather tedious. Tables of squares and square-roots ought to be provided when the elementary methods of the book are employed. On the

(Continued on page 174.)

UNIVERSITY OF LONDON MATRICULATION EXAMINATION.

ENGLISH PAPERS

September 1915—June 1918

Bound up together. 1s. 6d. net. Postage, 2d.

ARITHMETIC AND ALGEBRA

(with Answers).

GEOMETRY AND MECHANICS

ALONG WITH

MATHEMATICS MORE ADVANCED

(with Answers).

September 1915—June 1918.

Bound up together. 2s. net. Postage, 8d. extra.

THE STUDENT'S GUIDE

Making the Most of One's Mind.

By JOHN ADAMS, M.A., B.Sc., LL.D.
(Professor of Education in University of London).

The Times Educational Supplement.—"Dr. Adams has written an admirable book, and a student may be regarded as fortunate who avails himself of its wisdom."

The Teacher's World.—"Prof. Adams combines in a rare and refreshing manner the wisdom of a philosopher with the acumen and practical skill of a man of affairs."

Fifth Impression. 4s. 6d. net. Postage, 5d.

EVERYMAN'S CHEMISTRY

The Chemist's point of view and his recent work told for the Layman.

By ELLWOOD HENDRICK.

The Times. in a two column review.—"We commend the volume heartily to a wide circle of readers."

Dr. J. L. PATON, of Manchester.—"I think the book ought to be distinctly useful in the attempt to familiarize our young boys, especially classical boys with some of the staple processes of the application of chemistry to production and the methods of scientific discovery. It is quite a live book."

With Illus. 8s. 6d. net. Postage, 6d. extra.

A SCHOOL CHEMISTRY

By W. H. RADCLIFFE, B.Sc., F.C.S.
(Chemistry Master of Tenison Schools).

Part I. 3s. Part II. 1s. 6d.

A SHORT HISTORY OF MODERN EUROPE

From the French Revolution to the Great War.

By EUGENE L. HASLICK, B.A.

With many specially prepared maps. 3s.

A SHORT HISTORY OF MODERN ENGLAND

By FREDERICK BRADSHAW, M.A., D.Sc.

With maps. 3s.

MATRICULATION ENGLISH COURSE

By B. J. SPARKS, B.A., B.Sc.

Senior English Master at Portsmouth Secondary Schools.

Cloth, 3s.

A Fascinating Study of World History.

GEOGRAPHY AND WORLD POWER

By JAMES FAIRGRIEVE, M.A., F.R.G.S.

of the London Day Training College.

With 80 Illus. New Impression. 4s. net. Postage, 5d.

NEW REGIONAL GEOGRAPHIES

By LEONARD BROOKS, M.A., F.R.G.S. Edited by JAMES FAIRGRIEVE.

Vol. I: AMERICA.

Vol. II: ASIA AND AUSTRALASIA.

Ready. 3s. 6d. each, with large number of original illustrations.

THE BRITISH ISLES

With new Illus. Nearly ready. 2s. 6d.

Other Vols. in active preparation.

ECONOMIC GEOGRAPHY of the BRITISH EMPIRE

By C. B. THURSTON, B.Sc.

Geography Master at Kilburn Grammar School.

With specially prepared maps and tables.

UNIVERSITY OF LONDON PRESS,
18 Warwick Square, London, E.C. 4.

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

SYNOPSIS of Ling's System of Physical Training.

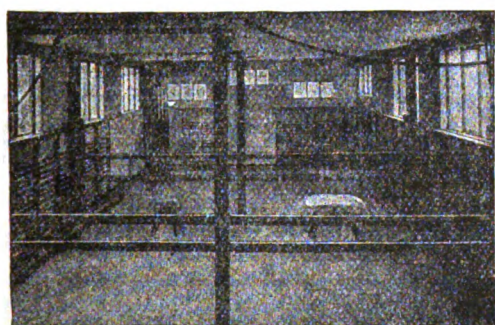
OLD GYMNASIA Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

PHOTOS Several Recent Secondary School and Welfare Outfits.

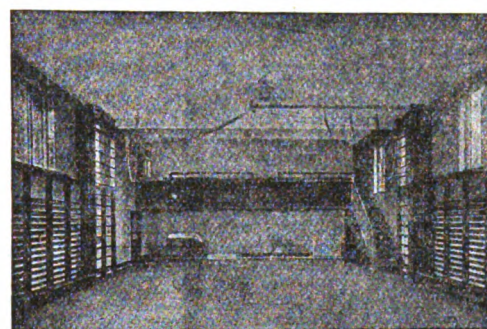
**SCHOOL CLINICAL
APPARATUS** Plinths, Correction Belts, Head Suspension
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE L^{TD}.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C.1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12030.

whole, we are inclined to think that the time spent in attacking such problems with primitive weapons might be better spent in learning the use of instruments better suited to the purpose.

Differential Equations. By H. BATEMAN. (16s. net. Longmans.)

This is an inspiring book, dealing in a fresh and vigorous manner with a subject in which the methods of treatment have tended to become stereotyped. It appeals above all to the student of mathematical physics, who will find it invaluable as a work of reference. A feature which at once distinguishes it from the majority of similar textbooks is the amount of attention paid to the arbitrary constants or functions which occur in the solutions of equations. Their determination gives rise very frequently to interesting questions which merit more than the perfunctory glance usually bestowed upon them. A section dealing with discontinuous solutions of linear equations with constant coefficients introduces the student to some recent researches of considerable importance. The chapters on total equations and on partials of the second order contain a few new results. Both the latter chapter and that on solutions by definite integrals will be found to contain adequate information regarding the most important equations which occur in the theories of sound, heat and electromagnetism. It is perhaps too difficult a book for students beginning the subjects, but more advanced students will find it of the greatest value.

PRIZE COMPETITIONS.

The prize for the February competition is awarded to "Ladon." *Proxime accessit* "Playshaw."

The winner of the Translation Prize for January is Mr. L. Moriarty, The Foss, Harrow-on-the-Hill.

Extract from Ernest Renan's letter, quoted in his "Souvenirs d'Enfance et de Jeunesse" :—

By "LADON."

I am very comfortable here. The tone of the house is excellent, equally removed from rusticity, coarse egoism, and pretentiousness. There is little intimacy, and the affections are rather starved; but the talk is good and high-toned, and rarely intermixed with com-

monplace or gossip. It is useless to look for cordiality between the directors and the pupils; that is a plant which rarely grows except in Brittany; but the directors have a certain broad-minded kindness which is pleasing, and which exactly suits the moral condition of the class of young people who come to them. Their rule is scarcely felt; the house goes of itself; it is not they that run it. The regulations, the customs, and the spirit of the house do everything; the men are passive; they are only there to maintain it. It is a machine that was well appointed two hundred years ago; it goes entirely of itself; the engineer has only to watch over it, or at the very most from time to time, to turn a screw or oil the springs. It is not as at St. Nicholas, for example, where the machine was never allowed to go alone; the engineer was always there, dashing right and left, putting his finger everywhere, breathless and hurried, because people did not dream that the best-appointed machine is that which requires least action on the part of the person who works it. The great advantage I find here is the extraordinary facilities provided for work, which has become for me a necessity and, in view of the state of my mind, a duty. The course on Moral Science is very well done; not so the course on Dogma; the professor is new, which fact, combined with the great, and to me special, importance of the treatises on Religion and the Church, would suit me very ill, if I did not find through these other gentlemen the means of making up the deficiency.

The chief difficulty in translating Renan's letter was to maintain throughout the light, crisp style of the original, and in this "Ladon" was more successful than anyone. Many candidates erred by using too many, or too heavy, words. *Affecterie* is "affectation," rather than "pretentiousness." *Ecrou* is strictly "nut," not "screw," which is *vis*. The last sentence of the letter is not well constructed, and Renan would probably have recast it if he had been writing for the press; it might be legitimate to translate: "which fact, considering the great, and to me special, importance." We greatly regret a misprint—*que l'on egard* for *en egard*. Three scripts had no *nom de guerre*.

We classify the 146 versions received as follows:—

Class I.—(a) Bugle, Ladon, Playshaw, Glenleigh, Jeanelsa,
(Continued on page 176.)

TEACHERS' CHRISTIAN UNION.

(Associated with the Y.M.C.A. and Y.W.C.A.)

President: Miss M. H. WOOD, M.A., Litt.D.

Vice-Presidents: Mrs. WOODHOUSE; Rev. W. TEMPLE, M.A.

A CONFERENCE

TO DISCUSS

The Ideals and Problems of Religious Education

WILL BE HELD AT

THE HAYES, SWANWICK, DERBYSHIRE.

During Easter Week, April 22 to 26, 1919.

The following, among others, have promised to speak or to act as Leaders of Discussion:—

Mr. CLUTTON BROCK.

Rev. RICHARD BROOK, Senior Chaplain to the Forces.

Mrs. SOPHIE BRYANT, D.Sc., Litt.D.

Prof. ALBERT A. COCK, B.A.

Mrs. ARNOLD GLOVER.

Professor J. H. KENNETT.

Mr. ALBERT MANSBRIDGE.

Mr. J. LEWIS PATON.

Miss E. WATERHOUSE.

Mrs. M. L. WHITING.

Preference will be given to members of the Teachers' Christian Union.

FEES, if paid before April 10, 35s.; after April 10, 45s.

Latest date for payment of fees, April 17.

Applications for the detailed programme and all inquiries should be sent, with a stamped and addressed envelope, to the Conference Secretary, Miss W. M. MOWLE, F.C.U. Office, 16 Russell Square, W.C.1.

Telephone: Central 234. Telegrams: "Techristu. Westcent. London."

For all information on the
use of

PLASTICINE

in School modelling, for lists of
Publications and Booklet,
Hints on Modelling,
write

HARBUTT'S PLASTICINE, Ltd.,
225 BATHAMPTON, BATH.

London Showrooms: 56 Ludgate Hill, E.C.4.

Baby Shows and Day Nurseries.

The organizers of the Day Nurseries will profit greatly by the practical experience of the Baby Shows and Infant Welfare Centres. Methods which have been successful and foods which have proved their worth there, will be adopted by the new Nurseries.

At the most carefully judged Baby Shows and the most carefully supervised Centres for Infant Welfare,

ROBINSON'S "Patent" BARLEY

has been tested and has stood the test. Again and again has the First Prize Baby at the Baby Shows proved to have been fed on Robinson's "Patent" Barley.

Many a baby never has a fair start in life—born sickly, ailing and unable to be fed by Nature's method. Yet from these frail, suffering little bundles of mortality Robinson's "Patent" Barley has produced fine sturdy children. That is why in the Day Nurseries this famous food will be adopted and will have yet other opportunities of bringing health and happiness to our little growing citizens.

Write for Free Literature,

Dept. J.E. c/o KEEN, ROBINSON & CO., LTD., LONDON, E. 1.

By Appointment to
H.M. The King.

By Appointment to
H.M. Queen Alexandra.

"RONUK" Ltd.

CONTRACTORS FOR
POLISHING

ALL KINDS OF NEW AND OLD

FLOORING AND PANELLING

Enquiries invited for Estimates.

MANUFACTURERS OF "RONUK"
SANITARY POLISHES.

Awarded Gold Medal at XVIIIth International Congress of Medicine,
and Seven Medals by the Royal Sanitary Institute.

"RONUK" Ltd.,

Head Office and Works:

PORTSLADE, BRIGHTON, SUSSEX.

London Showrooms: 16 SOUTH MOLTON STREET, W.

Manchester Office: 285 DEANSGATE.

DRILL SHOES

as supplied to the Secondary Schools
in London and the Provinces.

Canvas uppers, rubber goloshed, "FIBROID" soles: will outwear three
pairs of rubber ones. WEAR GUARANTEED. 10's to 1's, 4s. 11d.;
2's to 5's, 5s. 11d.; 6's and 7's, 6s. 9d. Special terms for quantities.

**MADDOCK & SON, SPORTS
SHOE MAKERS,**
272 FULHAM ROAD, LONDON, S.W.10.

When writing, please mention this paper.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams: "Over Press, Rugby"

Net Tel: Rugby 125

ST. ANDREWS PROVINCIAL COMMITTEE FOR THE TRAINING OF TEACHERS.

Summer School for Teachers

July-August, 1919,

UNIVERSITY OF ST. ANDREWS.

Vacation Classes in Infants' School Practice, Story Telling,
Musical Training, Rhythmic Movements, Teaching of
History, Literature, &c., &c., are being organized.

Teachers are invited to apply for particulars.

JAMES MALLOCH, Director of Studies,

77 NORTH STREET, ST. ANDREWS.

Blackboards cannot become Shiny

in use, if covered with

• **Proctor's "Defiance"** (Trade Mark)
Slate Composition.

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

SAVE 50% of your TIME

by ordering your NEW BOOKS
through Mr. John Davis, who can
always secure good second-hand
copies of manuals out of stock
at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a
further order for you as I am well pleased with your past efforts to
secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Davis,

13 PATERNOSTER ROW, LONDON, E.C. 4.

Somewhen, χρυσών χαλκεία, Dane, Boy, Ponthieu, Sorbier, Tertia. (b) Jean-Jacques, Esse quam videri, M.A., Rusticus Expectans, Petite Bête, R.B.M., E.R., Golliwog, M.A.S., Nibbidard, Lisle, L'Union, Redwin, Bésigue, Switzerland, Admirator, Quand même, Ted, Sperata.

Class II.—E.A.N., Fortes fortuna juvat, Loo, F.B., H.W.C., Traddles, Daoud, Pensionnaire, E.W.F., Antoine, G.C.B., Ecolière, Bouledogue, Borealis, Garnet, W.W.M., Rusticus, Borderer, Menevia, Elève, G.E.M., Maria Paulina, M.S.M., Dorma, Pierrelatte, A.W., Psyche, Hibernia, N.D.D.L., Alma, Chanteuse, Tyro, Rapunzel, A.B. Edinburgh, Cymroes, Chingleput, M.M.T., M.D., T.S.M., Wrece, Reba, B.E., Meg, Noncom.

Class III.—Andrée, Impulse, Somerled, Abeille, Johnny, Cécile, Purple Heather, Duchess, Z.W., Sparks, Philippine, Flyttfagel, En Avant, M.M.B., Calvus, Hibou, Dizzy, Lux, Lorna Doone, Crumpey, Moth, Leander, Mandarin, West, P.B.M., Science, Fleur-de-lis, Penelope, Anglaise, Cablegram, Vona, Amethyst, Psyche, Bida, C.C.A., Flapper, Cassandra, Tiny Smuts, Denise, Espérance, Louisiana, M.V.L., Sirach.

Class IV.—F.W.B., Flora, Jaspas, M.A., Rien, Frances, Elise, Polichinelle, Carrie, N.B., Tweedle-dee, Corncrake, Chrysolite, Sirod, Claribelle, Margery, Caedmon, W.J.L., C.D., Vaux, Kathrick, Dentelle, Bon Espoir, Yvetot, Kentucky, Smuts, Rolyan, Edith.

A Prize of Two Guineas is offered for the best translation of the following extract from Levis Mircepoix "Les Campagnes Ardentes":—

LES FAUCHEURS.

Ils ont repris la faux ceux qui ont quitté leur champ pour la guerre en laissant sur pied la moisson. Mais ce n'est plus dans le grand jour doré qu'ils ont couché les gerbes. Au fond de la tranchée, ils attendent la nuit pour sortir et leur mission est de débarrasser les glaciés des hautes herbes propices aux surprises de l'ennemi. Ils sortent. Engagés dans le réseau de fils de fer que l'obscurité complique, il leur faut, presque, à chaque pas, débrouiller sans bruit autour de leurs jambes un écheveau de piquants. Les voici sur le pré libre. Une patrouille s'avance devant eux pour les protéger, et déployée en demi-cercle, se tapit dans les herbes, l'arme prête, fouillant l'ombre du regard.

Les faucheurs, debout, sans armes, reprennent l'ancien geste pacifique. Aucune chanson ne les accompagne. Dans l'ombre, entre les lignes, leurs faux font un bruit de soie. En face, tout près, l'ennemi les a entendus. Car des balles les frôlent, sans interrompre le froissement rythmé des herbes. Une fusée lumineuse jaillit, inondant le glacié d'une clarté de fête aux lanternes. Les faucheurs se jettent à terre. Quelques-uns n'ont pas le temps et demeurent penchés, ne voulant pas qu'un mouvement de plus les trahisse. Tous les regards suivent anxieusement l'étoile aux reflets bleus de la fusée qui descend, infiniment lente...

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners will be required to send real names for publication.

All competitions must reach the Office by the first post on March 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

INDUSTRIAL TRAINING FOR DEMOBILIZED WAR WORKERS.—To provide industrial training such as is required by demobilized members of H.M. forces and civilian war workers who are being set free from their war occupations, the Government have decided to set up a special department of the Ministry of Labour to deal entirely with questions of industrial training. The Ministry of Labour has appointed Mr. James Currie, C.M.G., formerly Director of the Munitions Training Section of the Labour Supply Department of the Ministry of Munitions, Controller of the new department. This department will, says the *Times*, not only administer various schemes for the vocational training of discharged soldiers and sailors, of civil war workers of either sex, and of women who are being discharged from auxiliary corps, but will, in due course, take over from the Ministry of Pensions the training of disabled men, with the exception of those who require medical supervision or training of a curative nature. Representatives of the trade unions and employers will be consulted in regard to the proposed systems of training. Arrangements are also being made to ensure the interest of Local Authorities in all training work.

These School and Teachers' Advertisements are continued from page 148.

STAMMERING

PERMANENTLY CURED.

RESIDENT AND DAILY PUPILS.
UNIVERSAL SUCCESS.

Prospectus and Testimonials post free from—
Mr. A. C. Schnelle, 119 Bedford Court Mansions, LONDON, W.C.1
Established 1905.

Sale or Transfer.

FOR SALE IN NORFOLK.

LADIES' SCHOOL Established over forty years. 100 pupils. With a grand residence standing in four acres of the most picturesque grounds. Price £3,500.—Cooke, Exor., South Nutfield, Surrey.

FOR TRANSFER.—A Ladies'

School on the South Coast. Good connexion. Capital fee on pupils. Furniture at a valuation. Apply—X., c/o J. & J. Paton, 143 Cannon Street, London, E.C. 4.

GIRLS' SCHOOL (SEASIDE)

FOR SALE. Present management 35 years. 70 day pupils besides boarders. One teacher on the Staff (introduced by Hooper's in 1904) would like to remain with successor. Fine premises. Rent only £80. Goodwill, one term's fees. Baintain! HOOPER'S, Educational Agents, 13 Regent Street, S.W.1. Established 1851. No charge to purchasers. Expert advice gratis in exchange for confidential detailed statement of requirements and maximum amount of capital for investment.

Sale or Transfer—continued.

FOR SALE.—Flourishing BOARDING and DAY SCHOOL FOR GIRLS. Eastern Midlands. Established 50 years. Income £1,100. Price for goodwill about one term's fees; furniture at valuation. Address—No. 10,733.

TO BE SOLD, Freehold, or Let on Lease.—On South-East Coast, in magnificent position. School premises in own grounds. Modern. Electric light. Perfect sanitation. Only house in neighbourhood licensed for a School. Near Church, Golf, Post, Rail. Productive gardens, stocked choice fruit trees. Tennis Court (hard). Lawn. Greenhouse. Address—No. 10,736.

THE PRINCIPAL of a Flourishing Boarding Day School in the Midlands wishes to meet with a PARTNER, must have School experience. Address—No. 10,739.

WANTED to Purchase, small High Class GIRLS' SCHOOL, near station and church, in Kent or Surrey, not more than 40 minutes from London.—Miss MARTIN, S. Helena's, Lower Bourne, Farnham, Surrey.

SALE.—HEAD MISTRESS of High Class Private School, situated in a very healthy position in its own grounds of five acres, near sea and downs, desires to SELL the School before September. There is a very exceptional opportunity for working up a large and important School, as the neighbourhood is much sought after for children, and the School has a splendid health record. Address—No. 10,745.

A MALGAMATION or PARTNER SHIP.—HEAD MISTRESS, University Graduate of High Class Private School, desires Amalgamation with another Private School and Partner. Children's ages 8 to 16. South coast. Confidential correspondence invited. Address—No. 10,744.

FOR DISPOSAL, English and SHORTHAND CLASSES in Paris. Twelve years' success. Apply—Mlle MAYOUX, 26 Rue de l'Exposition, Paris VIIe.

Sale or Transfer—continued.

ST. LEONARD'S, NEWINGTON, EDINBURGH.—This desirable residence overlooking the King's Park, suitable for conversion into a Boarding School, is TO LET, for such period as may be agreed on. The house contains 5 large reception rooms, 12 large bedrooms (capable of being divided), 2 dressing rooms, lavatories, bathrooms, &c.; ample servants' accommodation and other conveniences of a commodious residence. There are extensive grounds surrounding the house suitable for playing fields.—For further particulars apply to Messrs. W. and F. HALDANE, W.S., 4 North Charlotte Street, Edinburgh.

SCHOOL FURNITURE FOR SALE

ON APRIL 6TH, IN W. LONDON,

FIFTY-NINE Adjustable Roth's Desks and seven others. Science Laboratory fittings for 10 pupils on heuristic method. Forms, wall blackboards, and other furniture.

Can be seen now. In good condition.

Miss MANVILLE, 2 Leinster Gardens, W. 2.

Continental Schools

COLLEGE DE CANNES, PRÈS NICE (ALPES MARITIMES), FRANCE.

A fine new building, with every modern comfort. Private rooms. Three months' course giving fluent knowledge of French to foreigners. £21. 8s. a term.

TOURNAI.—Distinguished family receives students. Comfortable villa. Electricity, bathroom. Park, Tennis Court. French lessons. Moderate terms. Highest references.—LES LAURIERS, La Chaussée, near Blois.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C. 4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

THE LONDON LITERARY LOUNGE.

THE BOOKSHOP THAT APPEALS TO BOOKLOVERS.



Your true lover of books has always desired a place of quietude where he can leisurely look through book after book, until he find the meet companion for his mood, or the choice copy of a favourite author he would present to his friend.

Such a place, quiet, comfortable, and with a large range of books to choose from, is the London Literary Lounge—here may be found works on every subject, Art, the Sciences, Technology, Handicrafts, History, Travel and Theology, together with the latest Poetry, Drama, Essays and Fiction, and the new War Publications.

Inquiries by post are welcomed.

A Catalogue of Books, at Greatly Reduced Prices, may be had on application.

TRUSLOVE AND HANSON, LTD., 14a CLIFFORD STREET, (One Door from BOND STREET, W. 1.)

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A.,
Coaches by Correspondence in French, History, English Language, and Literature, and Comparative Religion for Cambridge and Oxford Locals and other examinations.—The Rectory, Little Stukeley, Huntingdon.

MISS MASOM, B.A., Hons. Lond.,
Lecturer and Exam. Coach, prepares for Matric. and Higher Exams. in Maths., Classics, English and French (all branches). Highest testimonials.—207 Adelaide Road, N.W. 3.

Posts Wanted.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holborn Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

FRENCH.—Young lady school teacher, 10 years' experience in French State's Schools (girls and boys), taught many English ladies and gentlemen, wishes a post as FRENCH MISTRESS in a school or a family. All certificates.—Write to Mlle C PERROUCLÉ, Institutrice, 124 rue Sébastien, Gryphe, Lyon, France.

ART AND CRAFTS MISTRESS
desires post for Summer Term. Art Class Teacher's Certificate, first class painting still life, second class painting ornament, second class drawing from antique. City and Guilds Embroidery Certificate. Clay modelling, outdoor sketching. Ablest system if required. Needlework offered. Present post temporary. Three years' training college experience.—Miss FARRANT, City Freeman's School, Brixton, S.W.9.

THE Principals of a good School wish to find half-time work next term for their young experienced GAMES MISTRESS. Free two afternoons and three mornings. Trained at Liverpool. Particularly good at Dancing. Undertakes Swedish drill, games and swimming. Pupils are keenly interested in all her lessons.—PRINCIPALS, Leinster House School, 2 Leinster Gardens, Exeter, W.2.

Posts Wanted—continued.

AS LANGUAGE MISTRESS.—Principal warmly recommends capable foreign lady. Excellent disciplinarian. Specially successful with elder girls. Fluent French, German, Musical.—789 F., HOOPER'S, 13 Regent Street, London, S.W.1. Others. Selected list gratis. Established 1881.

AS GOVERNESS-MATRON in Boys' Preparatory School. Subjects: Music, French, Nature Study, History, Composition (all good). Two years' reference.—2003 M., HOOPER'S, 13 Regent Street, London, S.W.1. Others. Heads of Schools invited to make known their requirements.

TWO experienced MISTRESSES require, after Easter, non-resident work, teaching or secretarial. London or neighbourhood. Classics, Modern Languages, History, Geography, Mathematics, &c.—GREEN, 56 Norfolk Square, Hyde Park, W.2.

SOLICITOR'S daughter requires post as SECRETARY to a School or other similar appointment. Young and energetic. Good book-keeper (double entry), shorthand typist, and experienced in general office work. Highest references. Address—No. 10,731.*

MUSIC MISTRESS, A.R.C.M.,
College training, desires post in first-class school. Advanced Piano (experienced soloist and accompanist). Singing, solo and class. Six years teaching experience in good schools. Excellent testimonials. Successes in all Associated Board Examinations.—Miss U. LAYTON, 42 Glenhurst Avenue, Highgate Road, London, N.W.5.

WIDOW lady (40), well recommended, wishes to join Master in taking or enlarging Boys' Preparatory School. Small capital and furniture. Capable manager and thoroughly understands children's health, or would take a post as House Mistress. Address—No. 10,738.*

MUSIC MISTRESS, A.R.C.M.,
double diploma Singing, desires post. Also teaches junior piano (to Intermediate Grade). Successes in Associated Board Examinations. Aural training, theory. No classes. Several years' experience. Address—No. 10,740.*

LADY (experienced) requires post as SUPERINTENDENT of Hostel or School Boarding-house, or as LADY HOUSE-KEEPER or similar position. Understands catering, accounts, correspondence, nursing. Address—No. 10,741.*

ART MISTRESS, well qualified,
experienced, desires appointment in School or Training College. Drawing, Painting, Blackboard Drawing, Brushwork, Needlework, Embroidery, Handicrafts, &c. Address—ART, 14 Albert Street, Shrewsbury.

EXPERIENCED ENGLISH MISTRESS, L.L.A., Cambridge Higher Local, Registered Secondary Teacher, desires responsible work in good school. Non-resident or without supervision. English, European History, Literature, Divinity, French, Physiology. Interview Bournemouth, London.—Miss ADAMS, 10 Dix's Field, Exeter.

Posts Wanted—continued.

JEUNE fille Française désire place dans famille pour enseigner Français. Écrire—Mlle MERRE, 10 rue Grande école, Fécamp (Seine Inférieure), France.

AFTER EASTER.—Experienced ASSISTANT MISTRESS requires post in London, preferably non-resident, in N.W. district. Special subjects: History, Botany, English Literature. Inter. Arts Certificate.—STEVENS, Wellington College, Hastings.

MUSIC MISTRESS, A.R.C.M.,
desires post in or near London. 10 years' experience: excellent testimonials. Successes in all Associated Board examinations and A.R.C.M. examinations. Pianoforte, Harmony, Class Singing, and Aural Training. Address—No. 10,742.*

Posts Vacant.

AUSTRALIA

Teachers' Central Registry:
Twyford House, 17 Castlereagh Street, SYDNEY.

(Under the direction of a Committee appointed by the Teachers' Guild of N.S. Wales.)

MEN and Women Teachers, especially resident ASSISTANT SCHOOL MASTERS and SCHOOL MISTRESSES, who would like to secure posts in Australasia, should write to the above address, stating qualifications and experience, and enclosing copies of testimonials with a view to obtaining posts when passage to AUSTRALIA is permitted.

Particulars on application to—
Miss GARRAN, Registrar.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1

WANTED, a young lady who will look after a little girl of six years, take her walks, and teach her. Good reference required. Post residential. Address—No. 10,728.*

WANTED, Summer Term, in high-class Girls' School in West of England:—(1) MISTRESS to teach Mathematics and Science. (2) ASSISTANT MISTRESS to teach English subjects, Geography, Mathematics, and elementary Botany if possible. Address—No. 10,734.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4" Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Sussex (Seaside).—Girls' Boarding and Day School. Established over 50 years and conducted by vendor 13 years. Gross receipts past year, £1,454; average gross receipts past three years, £1,200. Number of boarders about 22, paying from 45 guineas; number of day pupils, about 35, paying from 2 to 5 guineas per term. Rent of large detached house near sea, £150. The vendor would be willing to accept one term's fee on each pupil transferred by way of premium for goodwill. School and some household furniture at valuation. We have personally inspected this school, and believe it to be a very good opening, and to be had on favourable terms.—No. 6,012.

Lancashire (Seaside).—High-class Boarding and Day School for Girls and small Boys. Established 30 years and conducted by vendor 10 years. 17 boarders and 34 day pupils, paying about £500 per term. Net profits, £526. Rent of large house, £130. Price for goodwill by arrangement. School furniture, about £350; household furniture at valuation. The vendor states that she paid £650 for goodwill ten years ago on accounts examined by a well known chartered accountant; then there were only 27 pupils paying about £340 per term. There is also a Hostel for Ladies next door, which is also for sale.—No. 6,010.

Kent. For immediate disposal, Girls' Boarding and Day School.—Established over 25 years. Gross receipts past year about £900 to £1,200. Number of pupils 80, including several boarders. Terms for boarders, £30 to £42, and day pupils, £1. 1s. to £2. 12s. 6d. per term. Rent of large house held on lease expiring about 1920, £112. 10s. The vendor would accept one term's fees upon all pupils transferred by way of premium for goodwill. School, and possibly some household furniture at valuation. To effect a speedy sale the vendor is willing to accept £200 down upon taking possession, and the balance by instalments of £50 per term.—No. 6,021.

Kent (Seaside).—Boarding and Day School for Girls. Established over 50 years. Gross receipts past year £625. 10s. 3d. Number of boarders 6, paying £30 to £45 per annum each; 65 day pupils, paying from £1. 9s. to £3. 15s. per term, without extras. Extras £70 to £80 per term. Rent of detached house, held on 21 years' lease, £78. Price for goodwill £225, or the vendor would accept one term's fees on all pupils transferred. School and household furniture at valuation. The vendor states that, during the last three terms, numbers have increased rapidly, and that the gross receipts for the first two terms of this year were £462. 17s. 6d.—No. 6,003.

BOYS' SCHOOLS.

London, S.W.—High-class Preparatory School for Boys. Established about 50 years, and conducted by vendor with his late partner about 6 years. The vendor wishes to sell on account of his partner having just recently died. We understand there are 7 boarders at about £100 per annum, and 26 day pupils at about 10 guineas per term. Some are day boarders and pay more. Vendor states that in 1912 there were only 13 pupils. Gross receipts for 1917 about £1,800, and for 1918, £1,500; the reason for the slight drop in numbers last year was owing to the raids. Rent of very good premises, £130. Vendor states a great deal of money has been spent to make the accommodation, &c., all that could be desired. Price for goodwill, and excellent school furniture, about £2,000, or close offer.—No. 6,996.

London, S.W.—Boarding and Day School for Boys. Established many years and conducted by vendor 7 years. Gross receipts past year, £1,500. Net profits past year, £625. Number of boarders 13, paying £54 to £63 per annum; and 67 day pupils, paying £3. 3s. to £5. 5s. per term. Rent of large house, containing over 13 rooms and usual offices, £95. Price for goodwill and school furniture, £1,500. The vendor states that he wishes to dispose of his school owing to the ill-health of his wife. Part of purchase money may remain.—No. 6,995.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—
GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

THE GODOLPHIN SCHOOL, SALISBURY.

Miss DOUGLAS intends to retire from the position of HEAD MISTRESS in December, 1919. The Governors of the School invite applications for the post. Each application should contain particulars as to age, education, degree or its equivalent, and teaching experience, and should be accompanied by copies of not more than four testimonials together with the names of two persons to whom reference may be made. There should be three copies of each testimonial. The salary is £100 per annum, together with a capitation fee of £3 on each pupil. A separate residence will be provided for the Head Mistress, who will not take Boarders. The School holds 200 and has been quite full for a long time. The Head Mistress elect will be required to take up her duties in January, 1920. Applications should be addressed to the CLERK to the GOVERNORS, and should reach the School not later than March 14th. Selected Candidates will be asked to come to Salisbury for an interview between Friday, March 21st, and Monday, March 31st.

COUNTY OF CHESTER.

DIRECTOR OF EDUCATION.

Applications are invited for the appointment of DIRECTOR OF EDUCATION to the Cheshire Education Committee at a salary of £1,100 per annum. The person appointed will be required to give his whole time to the duties of the office.

Applications on forms to be obtained from the undersigned on receipt of stamped addressed envelope, accompanied by not more than three recent testimonials, must be received by me not later than the 14th day of March, next.

Canvassing either directly or indirectly will be regarded as a disqualification, and candidates will not be supplied with lists of the members of the Education Committee.

REGINALD POTTS,

Clerk to the Cheshire County Council.
County Offices,
Northgate Street, Chester.
14th February, 1919.

BRIDLINGTON HIGH SCHOOL

FOR GIRLS.—Required, for Summer Term, MISTRESS to teach Mathematics and some Science (Physics). Salary according to qualifications. Apply to HEAD MISTRESS.

Posts Vacant—continued.

KING EDWARD VI GRAMMAR SCHOOL, RETFORD, NOTTS.

The Governors invite applications for the post of HEAD MASTER, to commence duty September next. The School is an endowed Secondary School recognised by the Board of Education. The handsome modern buildings comprise Head Master's Residence (rent, rates, and taxes free), Garden and Games Field attached. Present pupils number over 190, of whom 46 are boarders.

Stipend £150 per annum, and a Capitation fee of £3 on pupils after first fifty, together with profits on boarders and an allowance towards lighting and service.

Candidates must not be over 45 years of age, and must be Graduates (preferably in honours) of a University in the United Kingdom.

Applications accompanied by five copies of not more than three recent testimonials, and stating age and qualifications, to reach the undersigned not later than Tuesday, 8th April, 1919.

Further particulars on request.

Canvassing will disqualify.

T. HERCY DENMAN,

Churchgate, Retford, Notts.
17th February, 1919.

COUNTY BOROUGH OF ROTHERHAM GRAMMAR SCHOOL.

Founded 1483.

The Governors invite applications for the post of HEAD MASTER, to commence duties in May next. The selected candidate must be a Graduate in Honours of one of the older Universities. Preference will be given to a candidate possessing a Honours degree in Mathematics or Science. Experience in a Public School or good Secondary School essential. Candidates must not be over 45 years of age. Commencing salary £650 per annum, with house. Accommodation is provided in the school for 220 boys.

Application stating full particulars of qualifications and experience, accompanied by copies of three recent testimonials, must be sent to the undersigned not later than 12th March, 1919, from whom any further particulars of the appointment may be obtained.

Canvassing directly or indirectly will disqualify a candidate.

JAS. A. MAIR,

Clerk to the Governors.
Education Offices, Rotherham.

Posts Vacant—continued.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

BINGLEY TRAINING COLLEGE.

APPOINTMENT OF SECRETARY AND LIBRARIAN.

The West Riding Education Committee invite applications for the post of SECRETARY (who will also act as librarian) at the Bingley Training College. Salary £180, rising by annual increments of £10 to £250. Candidates for the post must be women. Last date for the receipt of applications, March 6th.

Further particulars and forms of application to be obtained from the EDUCATION DEPARTMENT (SECONDARY BRANCH), County Hall, Wakefield.

DUDLEY EDUCATION COMMITTEE.

SCHOOL FOR THE DEAF.

An ASSISTANT TEACHER of the Deaf, trained and certificated on the Oral System, is wanted for the above School, and applications for the post are invited. The salary will be from £110 to £220 per annum. Apply with testimonials to the undersigned.

J. M. WYNNE,
Education Offices, St. James's Road, Dudley.

EARL'S COLNE GRAMMAR SCHOOL, EARLS COLNE, ESSEX.

Applications are invited for the HEAD MASTERSHIP of the above Secondary School which will become vacant at the end of the Summer Term 1919. The Head Master must be a graduate of a University in the United Kingdom or have such other equivalent qualification as may be approved by the Board of Education.

Further particulars and forms of application can be obtained from the Clerk to the Governors, G. F. BEAUMONT, Solicitor, Coggeshall, Essex, to whom all communications should be addressed.

THE TIVERTON GIRLS' SCHOOL, DEVON.—Required, after Easter,

a MISTRESS to teach History throughout the School and French in the Middle Forms. Trained graduate preferred. Apply to HEAD MISTRESS, stating salary required.

Messrs. GRIFFITHS, POWELL & SMITH,

Telegraphic Address :
"SCHOLASQUE, LONDON."

Educational and School Transfer Agents,
(Established 1833),

Telephone :
GERRARD 7021.

Kindly note new address—

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at 84 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

TO ASSISTANT MISTRESSES. EASTER VACANCIES.

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

ENGLISH, GENERAL FORM AND OTHER VACANCIES.

English Mistress for thorough English throughout the School, and Needlework. Secondary School. Salary £180 non-resident. (Pembroke.)—No. 307.

Assistant Mistress for English Literature and to help in Form subjects, with Mathematics if possible. Experienced. Salary £100, board and residence. (Hunts.)—No. 259.

English Mistress, with good qualifications, to teach Geography, English, and some elementary Arithmetic or other subjects. Church of England. Salary £90 resident. (Near London.)—No. 212.

Assistant Mistress for English subjects, modern Geography, and some Latin. Experienced. High-class School. Salary about £100 resident. (Sussex—Seaside.)—No. 193.

S. Africa.—Senior English Mistress with special English and Latin up to Matriculation standard. 3 years' engagement. Commencing salary about £100 resident. Second-class passage.—No. 190.

Assistant Mistress for Mathematics and general Form subjects. Boys' School. Salary £140 non-resident. (Essex—Seaside.)—No. 185.

Form Mistress for general subjects. Degree and experience looked for. County School. Initial salary £150 non-resident.—No. 166.

Assistant Mistress, with special qualifications in English. Experienced. Important County School. Commencing salary £150 non-resident. (Wales.)—No. 152.

Assistant Mistress for general English, elementary Latin, and Mathematics. High-class School. Salary £100 resident or about £150 non-resident. (Herts—near London.)—No. 120.

Mistress for English and Geography. Mixed School. Salary £150 to £170 non-resident. (Wales.)—No. 111.

House Mistress for School of over 100 pupils. To be responsible for the boarders out of school hours and to give lessons in Piano to beginners. A good salary will be given to a suitable lady. (Wales.)—No. 115.

Assistant Mistress for Geography, Mathematics, general elementary Science. Salary about £130 non-resident. (Hants.)—No. 122.

Assistant Mistress for French, Shorthand, and Typewriting. Boys' Institution in London. Salary £80 resident and an allowance for holidays.—No. 135.

Assistant Mistress for usual subjects to Junior Oxford standard, and Mathematics if possible. Salary from £70 resident. (London.)—No. 136.

French Form Mistress for general Form subjects. School for the daughters of gentlemen. Large staff. Fine premises and grounds. Salary £75 resident. (Kent.)—No. 144.

A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses. 150 posts for Junior Mistresses asking salaries of from £25 to £40 resident.

50 STUDENT-GOVERNESSES also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of Suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Mistresses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 178 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

ENGLISH, GENERAL FORM AND OTHER VACANCIES—continued.

English Mistress for Forms I and II. Elementary English, Nature Study, and Ablett's Drawing if possible. Salary £65 resident. (Surrey.)—No. 146.

Assistant Mistress for good English, History and Literature, Composition, &c. Salary £70 resident; more if able to take Singing. (Norfolk.)—No. 154.

SCIENCE AND MATHEMATICAL VACANCIES.

Mistress for Physics up to Senior Cambridge standard. General experimental Science, Mathematics, and Geography. Public High School. Salary £95 resident or £130 non-resident. (Hants.)—No. 301.

Assistant Mistress for Botany, Nature Study, and Geography, and assist with supervision. Salary £80 resident. (Sussex—Seaside.)—No. 288.

Assistant Mistress for Mathematics to Matriculation standard. Salary £80 resident. (Devon.)—No. 263.

Assistant Mistress for Botany and Mathematics up to Senior Cambridge standard. Churchwoman essential. An adequate salary will be given to a suitable lady. (London.)—No. 254.

Mistress to take Botany to Senior Cambridge standard, elementary Experimental Science in Middle Forms, and some subsidiary subjects, Public Secondary School. Commencing salary £150 non-resident. (Norfolk.)—No. 232.

Experienced Science Mistress, preferably with Botany as chief subject. Endowed School. Good salary resident or non-resident. (Devon.)—No. 143.

Mathematical Mistress, able to assist with some French and Drill. Salary £70 resident. (Ireland.)—No. 1071.

Mathematical Mistress to take the Mathematics throughout the School for Irish Intermediate Examinations. Hons. standard. Salary £90 resident. (Ireland.)—No. 1057.

MODERN LANGUAGES VACANCIES.

Assistant Mistress for French up to Higher Local standard and elementary German. Degree, training, or experience desired. Must have resided abroad. Commencing salary £100 resident. (Surrey.)—No. 219.

Senior French Mistress, able to help with other subjects, such as Mathematics or Elocution. Good training. Degree or experience desired. Salary £110 resident. (Wales.)—No. 209.

Assistant Mistress for good French, and assist with English and Needlework. Salary £60 to £70 resident. Mixed Grammar School. (Yorks.)—No. 134.

MUSIC VACANCIES.

Mistress for good Pianoforte, Solo and Class Singing. L.R.A.M. desired. Experienced in preparing for Exams. Salary £70 resident. (Yorks.)—No. 258.

Second Music Mistress for Junior Music and to take Singing practices. Modern methods. Good salary to suitable lady. (Near London.)—No. 213.

Two Music Mistresses.—Piano, Theory, Class Singing, &c. Churchwomen. Salaries about £60 resident. (Wales.)—No. 214.

Mistress for Piano and Singing (Curwen Method preferred). Boys' Preparatory School. Salary about £60 resident. (Surrey.)—No. 189.

Mistress for good Piano. Able to prepare for Asso. Board Exams. Some knowledge of musical appreciation methods desired. Salary £60 to £80 resident. (Kent.)—No. 180.

KINDERGARTEN AND PREPARATORY FORM VACANCIES.

First Form Mistress, able to take some Science and Drill. Fair salary non-resident. (London, N.)—No. 275.

Mistress for Kindergarten, and also to take Form II. Salary about £70 resident. (Cornwall.)—No. 240.

Assistant Mistress for Preparatory Form. Higher Froebel Certificate or equivalent desired. Commencing salary about £130 non-resident. County School. (Devon.)—No. 207.

Experienced Kindergarten Mistress for School in London. Salary about £60 resident.—No. 203.

GYMNASTIC VACANCIES.

Mistress for Gymnastics, Dancing, Games, Physiology, and Hygiene. Important School. Salary £80 resident. (Midlands.)—No. 231.

Mistress for Dancing (all branches), Drill, and Games. Salary about £70 resident. (Bucks.)—No. 225.

Gymnastic and Games Mistress for Institute of Physical Education. An adequate salary will be given to a well trained lady. (Somerset.)—No. 164.

Mistress for Drill and Games. Swedish Drill desirable. Salary £70 resident. (Kent.)—No. 302.

DOMESTIC SCIENCE VACANCIES.

Certificated and Experienced Mistress for Domestic Science subjects. Salary £70 resident.—No. 252.

Domestic Science Mistress for high-class School. Trained teacher to organize Domestic Department of elder Girls. Good salary. (Surrey.)—No. 248.

Posts Vacant—continued.**LONDON COUNTY COUNCIL.**

APPPLICATIONS are invited from Candidates for the undermentioned positions at the Avery Hill Training College, to begin work in September next.

- (1) LECTURER in FRENCH and ENGLISH.
- (2) LECTURER in GEOGRAPHY and HISTORY.

The salary attaching to these positions will be £225 a year rising by one increment of £25 to £280, thence by £20 annually to £400 together with a temporary war bonus of £39.

- (3) ASSISTANT LECTURER to teach PHYSICAL EXERCISES and HYGIENE.

Commencing salary £120 a year, rising by annual increments of £10 to £270, together with a temporary war bonus of £39.

If the successful candidate for any of the above positions resides in the college, or a hostel, and undertakes the duties of Sub-Warden, £20 will be deducted annually from the salary in respect of board, lodging, washing, and medical attendance, and the war bonus will be reduced to £13.

Forms of application may be obtained from the Education Officer (H.4.), Education Offices, Victoria Embankment, W.C.2. (stamped, addressed foolscap envelope necessary). Forms must be returned by 11 o'clock a.m., on 14th March, addressed to the Principal, Avery Hill Training College, Eltham S.E.9. Canvassing disqualifies.

JAMES BIRD,
Clerk of the London County Council.

LONDON COUNTY COUNCIL.

APPPLICATIONS are invited from candidates for the under-mentioned positions:

- (1) THE COUNTY SECONDARY SCHOOL, CLAPTON.

An ASSISTANT MISTRESS with a good honours degree in German. Subsidiary subjects should be offered. Help with Games is desirable.

- (2) THE COUNTY SECONDARY SCHOOL, KENTISH TOWN.

An ASSISTANT MISTRESS to teach MATHEMATICS. A good honours degree or its equivalent is required.

Commencing salary in each case £120 to £180 according to experience, rising to £270 by yearly increments of £10. In addition a temporary war bonus of from £39 to £59, according to salary and scale chosen, is payable.

Forms of application may be obtained from the Education Officer (H.4.), Education Offices, Victoria Embankment, W.C.2. (stamped addressed foolscap envelope necessary). Forms must be returned to the Head Mistress at the school, as under, by 11 a.m. on the dates specified. (1) The Head Mistress, The County Secondary School, Clapton, Laura Place, Lower Clapton Road, E.3; 21st March 1919. (2) The Head Mistress, The County Secondary School, Kentish Town, Highgate Road, N.W.5; 7th March, 1919. Canvassing disqualifies.

JAMES BIRD,
Clerk of the London County Council.

HANTS COUNTY COUNCIL. EDUCATION COMMITTEE.**WINCHESTER COUNTY SCHOOL FOR GIRLS.**

Wanted, next term, ASSISTANT MISTRESS for Mathematics and Games. Commencing Salary to graduate £150. Application form on receipt of stamped addressed foolscap envelope to be returned before 10th March, to D. T. COWAN, Director of Education, The Castle, Winchester.

MARY DATCHELOR GIRLS' SCHOOL.

Camberwell, S.E.5.—Wanted, for September, a MATHEMATICAL MISTRESS. Good honours degree essential. Games a recommendation. Salary at L.C.C. rate, according to qualifications and experience. Apply, before March 31, to the HEAD MISTRESS.

MARY DATCHELOR GIRLS' SCHOOL.

Camberwell, S.E.5.—Wanted, for September, an ASSISTANT KINDERGARTEN MISTRESS for mornings only. Higher Froebel Certificate essential. Drawing a recommendation. Salary according to qualifications and experience. Apply, before March 31, to the HEAD MISTRESS.

ST. GEORGE'S SCHOOL FOR

GIRLS (Incorporated).—Wanted, in October, GYMNASIAC and GAMES MISTRESS with Bedford, Dartford or Chelsea training and some experience. Initial salary £150 to £170. Apply, with copies of testimonials and full particulars of training and experience, to the HEAD MISTRESS, Carcube Terrace, Edinburgh, W.

Posts Vacant—continued.**KENT EDUCATION COMMITTEE.****COUNTY SCHOOL FOR GIRLS, BECKENHAM.**

HEAD MISTRESS required for Secondary School which will open in September next. Candidates must hold a degree (or its equivalent) from a British University, and must be experienced in Secondary School work. Initial salary £400 a year, according to qualifications and experience, rising by annual increments of £20 to £500. The salary may be further increased at the discretion of the County Committee but in any case, shall not exceed a maximum of £650.

Forms of application may be obtained from Mr. J. R. HAMBRIDGE, Council Offices, Beckenham, (on receipt of a stamped addressed envelope) to whom applications should be sent not later than 31st March, 1919.

E. SALTER DAVIES,
17th February, 1919. Director of Education.

KENT EDUCATION COMMITTEE.**COUNTY SCHOOL FOR GIRLS, ASHFORD.**

WANTED, for the Summer Term, a JUNIOR FORM MISTRESS to teach Needlework and Arithmetic (including Book-keeping) with subsidiary subjects. Salary according to new scale, initial £130 to £180 according to qualifications, plus allowance for experience.

Applications to be sent to the HEAD MISTRESS, County School for Girls, Ashford.

E. SALTER DAVIES,
February, 1919. Director of Education.

DERBY EDUCATION COMMITTEE.**MUNICIPAL SECONDARY SCHOOL FOR BOYS.**

ASSISTANT MASTER (Graduate) is required for Physics, also an ASSISTANT MASTER to teach French in the Junior Forms—good French essential.

Both Masters must be prepared to help in the general work of the school.

Commencing salary in each case according to qualifications and experience. Maximum salary not less than £300 with annual increment of £10.

Applications, with copies of testimonials of recent date to be sent at once to the undersigned.

FRANK C. SMITHARD,
Education Office, Beckett Street, Derby.
21st February, 1919. Assistant Secretary.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen.

MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work. — M. GLENISTER, 3 Friern Park, N. Finchley, N.12.

HILL COURT, GLENAGEARY.

CO. DUBLIN.—Required in May: (1) PHYSICAL CULTURE and GAMES MISTRESS, preferably Dartford or Bedford trained. £70 to £80 resident. (2) FRENCH MISTRESS, subsidiary subject German, £60 resident. (3) MATRON, £40 to £50 resident. Apply—Miss PALMER, Castle Park, Dalkey, Dublin.

MUSIC STUDENT required (over

16). Training for Examinations, board residence, pocket money. To help specially with preparatory Music, Latin, Algebra, Geometry.—LADY PRINCIPAL, Lawn Preparatory School, St. Austell, Cornwall.

WANTED.—A LECTURER in

Geography. Salary not less than £100 resident, with laundry and medical attendance. Apply—THE PRINCIPAL, Training College, Lincoln.

CARLISLE HIGH SCHOOL.

Required, for Summer Term, Two MISTRESSES with Higher Froebel qualifications; one to undertake large Kindergarten and train students, the other as Junior Form Mistress. Experience essential. Salary £150. Apply—HEAD MISTRESS.

CHRIST'S COLLEGE HOSPITAL, HERTFORD, HERTS.

Wanted, for the Summer Term (May 1st), well-qualified TEACHER of NEEDLEWORK, with Cutting-out and Dressmaking, who would also superintend issue of materials—clothing, &c. Salary according to qualifications and experience, not less than £120, with annual increments. Apply to HEAD MISTRESS.

KING EDWARDS' HIGH

SCHOOL FOR GIRLS, BIRMINGHAM. Required, in September, a SCIENCE MISTRESS. Honour Degree and ability to teach Mathematics to Matriculation standard essential. Apply to the HEAD MISTRESS.

Posts Vacant—continued.**WEST SUSSEX AND CHICHESTER EDUCATION COMMITTEE.****WORTHING HIGH SCHOOL.**

Wanted, on May 1st, a MISTRESS for Form I, ages 6 to 8 years. Kindergarten training essential. Candidate should be able to take some Drawing in the Senior School.

Apply to HEAD MISTRESS, stating salary.

SAFFRON WALDEN TRAINING

COLLEGE FOR WOMEN TEACHERS. SAFFRON WALDEN, ESSEX.—Wanted in April, MATRON, to take charge, under the Principal, of the domestic side of the College. Salary £60 to £80, according to qualifications, with board, rooms, laundry, and medical attendance. Apply—PRINCIPAL.

MOREHAMPTON HOUSE,

DUBLIN.—Wanted, after Easter, Resident MISTRESS to teach general subjects in Form II and Needlework. A strict disciplinarian and good Boarding-school experience necessary. Apply—PRINCIPALS.

WANTED, at once if possible or

next May, a trained MISTRESS for Kindergarten and Lower Form work. Resident.—Miss BILES, High School, Wells, Somerset.

ROMFORD COUNTY HIGH

SCHOOL.—SPECIALIST in FRENCH wanted in September. Will be required to take charge of a Form. Spanish or Singing a recommendation, but neither essential. Salary according to qualifications and experience. Apply, with full particulars and testimonials, to the HEAD MISTRESS.

WANTED in May, in Girls' Private

School MISTRESSES to teach the following subjects: (1) Classics up to the Matriculation standard. Needlework and Botany desirable as supplementary subjects. (2) Modern Languages—German and Italian with Spanish and Phonetics if possible. (3) Fencing and Eurhythmics. Any who are qualified to undertake one, two, or three of these subjects apply to the Principal, Mrs. DUDLEY HERVEY, Westfields, Aldeburgh, Suffolk. Salary £100 to £150 resident, according to subjects taken and experience.

MILFORD HAVEN COUNTY

SCHOOL.—Wanted, next term, for Dual School, ENGLISH MISTRESS with qualification in Needlework, and able to supervise girls' side. Commencing salary £180 per annum. Apply — F. L. LOWTHER, B.A., Head Master.

ALLAN'S ENDOWED GIRLS'

SCHOOL, NEWCASTLE-ON-TYNE.—Wanted, after Easter, JUNIOR MISTRESS. Good English essential, elementary Mathematics, Singing or Geography, help with Games or secretarial work. Commencing salary, £120 to £150, according to qualifications and experience. Apply to HEAD MISTRESS.

WANTED, in May.—(1) MUSIC

MISTRESS. Subjects required: Piano-forte, Class Singing. Experience in conducting school orchestra desirable. (2) Wanted, in May or September: SENIOR ENGLISH MISTRESS. Good Honours qualifications essential. Some French desirable. Salaries offered according to qualifications and experience. Apply — HEAD MISTRESS, Maynard School, Exeter.

TEACHERS' TRAINING COL-

LEGE, DERBY.—Wanted, a PHYSICAL INSTRUCTRESS in September, 1919, to take Hygiene, Gymnastics, Dancing and Games (Net Ball, Hockey, Tennis, Swimming). Salary to begin at £120-£140 resident, according to qualifications and experience. The salary will be raised from time to time. Osterberg training preferred. Candidates should be Churchwomen, and have had some experience in Schools. Forms of application may be obtained from the Rev. CANON BATER, Principal.

HIPPERHOLME GRAMMAR

SCHOOL. Wanted, MASTER for Mathematics and General Subjects; also MASTER for Science and Mathematics. Graduates. Salary from £180 upwards, according to scale.

Applications to be sent to the CLERK on or before the 4th March next.

E. P. CHAMBERS, Solicitor, Brighouse, Clerk to the Governors.

DORKING High Schools for Girls

(under Board of Education and County Council). Required, after Easter, TEMPORARY MISTRESS (one term), to teach Botany and Nature Study, and, if possible, some English. Staff live in School Hostel. Salary according to Surrey scale. Apply—HEAD MISTRESS.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates for the Summer Term, 1919:—

General Form Mistresses.

SENIOR ENGLISH MISTRESS required for Girls' Private School, within easy distance of London, to offer English subjects, with good History and Geography. Salary offered, £100 res.—No. 12,614.

ASSISTANT MISTRESS, to teach History in important Girls' School in London. Lady is looked for who has Honours Degree. Salary up to £180 non-res.—No. 12,729.

SENIOR ENGLISH MISTRESS for first-class Girls' Boarding School, on the South Coast, to offer as her chief subject History. Salary £100 res.—No. 12,615.

ENGLISH SPECIALIST in large Girls' School in South of England. Good salary offered, in addition to board and residence.—No. 12,779.

ASSISTANT MISTRESS, with a view to Partnership, in Girls' Private School on the South Coast. Salary £150 res.—No. 12,880.

ASSISTANT MISTRESS, to teach English subjects, including Geography, Latin, Nature Study, in important Girls' School on the South Coast. Salary up to £100 res.—No. 12,841.

ASSISTANT MISTRESS, to teach English Subjects, with Geography, Mathematics, and some Latin, in high class Girls' Boarding School in London. Sal. from £70 res.—No. 12,787.

MISTRESS, to teach French and Latin, with some Junior Mathematics, in high-class Girls' School in London. Sal. from £80 res.—No. 12,730.

Mathematical and Science Mistresses.

ASSISTANT MISTRESS, to teach Geography throughout the School in important Girls' School in North of England. Salary offered up to £170 non-resident.—No. 12,872.

ASSISTANT MISTRESS, with a view to Partnership in Girls' Private School on the South Coast, to offer either Science or Mathematics. Salary from £200 non-res.—No. 12,881.

LECTURER in Geography in important Training College in the East of England. Salary from £100 res.—No. 12,862.

ASSISTANT MISTRESS, to teach Botany and Mathematics, up to Matriculation standard, in important Girls' High School in London. The post will be resident and good salary according to qualifications and experience.—No. 12,279.

MISTRESS, to teach Botany, Chemistry, Physics, and Mathematics, in important Girls' School in the South of England. Good salary offered, in addition to board and residence.—No. 12,778.

SCIENCE MISTRESS, to teach Botany, Chemistry, Physics, and Mathematics, in important Girls' School in the North of England. Salary offered up to £170 non-res., or the post could be held as a non-resident one at a salary of about £110.—No. 12,074.

SCIENCE MISTRESS, to teach Botany, elementary Experimental Science, and to offer either English or Geography as subsidiary subject in important Girls' School on the East Coast. Salary from £150 non-res.—No. 12,761.

ASSISTANT MISTRESS, to teach Geography and Botany in high-class Girls' Boarding School on South Coast. Salary from £80 res.—No. 11,211.

Boys' Preparatory Schools.

ASSISTANT MISTRESS in Boys' Preparatory School in North of England, to teach General subjects, with good Latin. Salary £100 res.—No. 12,857.

ASSISTANT MISTRESS, to teach good Music, with General elementary subjects, in high class Boys' Preparatory School, within easy distance of London. Good salary offered, according to qualifications and experience.—No. 12,750.

2 ASSISTANT MISTRESSES in Boys' Preparatory School in South of England, to teach General Preparatory subjects, with good French and Singing. Salary about £65 res.—No. 12,714.

ASSISTANT MISTRESS, to teach General Preparatory School subjects, with good Nature Study and Drawing, in Boys' Preparatory School, within easy distance of London. Salary offered about £70 res.—No. 11,636.

Classical Mistresses.

SENIOR CLASSICAL MISTRESS in important Girls' School in North of England for the Autumn Term. Lady is looked for who has the Honours Degree. Salary about £180 non-res.—No. 12,874.

CLASSICAL MISTRESS in high-class Boys' Preparatory School in the South of England. Salary up to £130 res.—No. 12,720.

TEMPORARY CLASSICAL MISTRESS, after Easter, an important Girls' School in the West of England. She should also be able to offer either Mathematics and English. The post will be res. one and good salary offered, according to qualifications and experience.—No. 12,690.

CLASSICAL MISTRESS in important Girls' School on the East Coast. If she could offer either Italian or German, it would be recommendation. Salary offered up to £130 res.—No. 12,684.

Lower Form and Kindergarten Mistresses.

KINDERGARTEN MISTRESS in Roman Catholic Convent in North of England. Salary from £120 non-res.—No. 12,825.

JUNIOR ENGLISH MISTRESS, in large Girls' Secondary School in North England, to teach English, with some Mathematics, also Singing and Geography. The post will be non-res. one and good salary offered, according to qualifications and experience.—No. 12,759.

3 KINDERGARTEN TEACHERS to go out to India. Salaries offered up to £120 res., with passage paid.—No. 12,744.

JUNIOR ENGLISH MISTRESS, in large Girls' School in South of England. Lady is looked for who is Froebel trained. The post is a res. one and good salary offered, according to qualifications and experience.—No. 12,637.

JUNIOR MISTRESS in large Girls' School in West of England. Salary offered from £70 res.—No. 12,711.

2 JUNIOR FORM MISTRESSES in large Girls' School in North of England. One should be Froebel trained. The posts will be res. ones and salaries offered up to about £100, in addition to board and residence.—No. 12,660.

Modern Language Mistresses.

SENIOR FRENCH MISTRESS in large Girls' School in West of England. Lady is looked for who has acquired the language abroad. Salary up to £110 res.—No. 12,697.

SENIOR FRENCH MISTRESS in large Girls' College in the Channel Islands. Salary from £100 res.—No. 12,686.

MODERN LANGUAGE MISTRESS in important Girls' Boarding School, on East Coast, to teach Italian and German. Salary up to £130 res.—No. 12,684.

MODERN LANGUAGE MISTRESS, to teach French, acquired abroad, and elementary German, in high-class Girls' Private School within easy reach of London. Salary offered from £100 res.—No. 12,725.

Domestic Science and Gymnastic Mistresses.

GAMES MISTRESS in Girls' Private School near London. Good salary offered according to qualifications and experience.—No. 12,860.

GYMNASTIC MISTRESS to teach Swedish, Educational Remedial Gymnastics and Massage in Physical Training College in London. Salary from £140 non-res.—No. 12,780.

GYMNASTIC MISTRESS to teach Games, Junior Dancing with some Junior English, in Girls' Private School on the South Coast. Salary from £60 res.—No. 12,683.

PHYSICAL CULTURE MISTRESS, to take Games in large Girls' School in Ireland. Lady is looked for who has been trained at Osterberg College. Salary up to £80 res.—No. 12,797.

GYMNASTIC MISTRESS, to teach Games and Dancing. Lady is looked for who is Osterberg trained. Salary up to £100 res.—No. 12,659.

Music and Drawing Mistresses.

ASSISTANT MISTRESS, to teach Class Singing and Piano, in important Church of England School in North of England. Salary about £80 res.—No. 12,629.

MUSIC MISTRESS, to teach Piano and Class Singing in Girls' Private School within easy distance of London. Salary offered about £60 res.—No. 12,838.

MUSIC MISTRESS, to teach Piano and Class Singing in important Roman Catholic Convent North of England. Salary from £120 non-res.—No. 12,826.

ART MISTRESS, for high-class Girls' Boarding School on the South Coast. The post is a res. one and good salary offered, according to qualifications and experience.—No. 12,082.

ART MISTRESS, to teach Drawing throughout the School and also to offer some subsidiary subjects, such as Junior English, in important Boys' School in South-west of England. Salary £140 non-res.—No. 11,583.

Messrs GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 138 Victoria Street (1st floor), S.W. 1.

WANTED, for Enniskillen Royal School for Girls, a MATHEMATICAL MISTRESS. Salary, £90 resident.

WELLINGTON SCHOOL, SOMERSET.—ENGINEERING MASTER required in May next. Practical knowledge in Electricity and Magnetism, and workshop experience in Metal work essential. Apply—HEAD MASTER, Wellington School, Somerset.

WANTED, for September, in a large Girls' Boarding School in the Midlands, a SENIOR ENGLISH MISTRESS. Only Oxford, Cambridge, or London need apply. Training or experience essential. Salary rising on definite scale. Address—No. 10,729.*

MISTRESS for May, to teach History, Latin, to seniors, Arithmetic and Mathematics to juniors; graduate preferred. Salary £70 resident. Address—No. 10,730.*

CERTIFICATED ASSISTANT MISTRESS, Ladies' Boarding School. Subjects: Geography, some Kindergarten, Junior English, Games, Drill. Disciplinarian. Apply, stating salary, PRINCIPAL, Byculla, Southsea.

TO MONTESSORI TEACHERS.

—A widow lady, residing in her own freehold country and seaside house (three acres of ground), much travelled, with some influence in the educational world, would like to correspond with a trained teacher or a lady of means interested in the Montessori method; with a view to receiving a few children of the upper classes, and young governesses to train in Montessori methods. Full particulars in confidence. PAIX. Address—No. 10,732.*

WANTED in Girls' Public School for Summer Term.—(1) SENIOR FRENCH MISTRESS. Honours degree essential. Initial salary not less than £170, and allowance for previous experience, rising to at least £250. (2) SCHOOL SECRETARY, able to teach Shorthand and Typewriting, and, if possible, a little French. Initial salary, £150. (3) JUNIOR MISTRESS for English, History, Scripture, and either Latin or Geography. Initial salary not less than £150, rising to £230. Apply with full details and testimonials to address—No. 10,737.*

WYCOMBE ABBEY SCHOOL, BUCKS.—Wanted for September term: (1) SCIENCE MISTRESS, chief subject Physics. (2) MISTRESS to teach German. (3) MISTRESS to teach Geography. Diploma essential. Applicants for first and second posts must have degree or equivalent. Initial salary from £160 to £230 according to qualifications and experience. Apply to HEAD MISTRESS.

REQUIRED immediately, Resident MISTRESS to teach Geography on modern lines, Arithmetic, and some Junior English; also in May, JUNIOR FORM MISTRESS. Apply, PRINCIPAL, St. Hilary's, Alderley Edge.

UNIVERSITY HALL OF RESIDENCE FOR WOMEN STUDENTS, ST. ANDREWS.—LADY HOUSEKEEPER (experienced) wanted from May 1st. Salary from £80 with board and residence. Apply, immediately, to SECRETARY, University, St. Andrews.

WANTED in May, a SCIENCE MISTRESS for The Grammar School for Girls, Thetford, Norfolk. Botany for Cambridge Locals and Elementary Experimental Science are essential; Geography desirable. Commencing salary £150, non-resident, if with degree qualification. Apply—HEAD MISTRESS.

BOURNEMOUTH.—TOWERFIELD COLLEGIATE SCHOOL FOR GIRLS. Required in May: (1) Resident MISTRESS to teach Violin and Piano. Degree and experience essential. (2) Resident MISTRESS to teach Drawing, Painting, Needlecraft, &c., and able to take ordinary subjects in Form I or II. Light supervision duties. Good qualifications essential. Apply, stating salary required, to the PRINCIPAL.

Posts Vacant—continued.**DARLINGTON EDUCATION COMMITTEE.****HIGH SCHOOL FOR GIRLS.**

Head Mistress: Miss ELEANOR TROTTER, M.A.
Wanted, at the Half-Term, or at the beginning of the Summer Term, a FORM MISTRESS and Modern Language Specialist with experience in teaching French by the direct method up to Advanced Course standard. Salary 200, rising to a higher maximum. Apply immediately.

Required in September:—
(1) A JUNIOR FORM MISTRESS, with good qualifications and experience in teaching French by the direct method; subsidiary subjects, English, Scripture, and Needlework. Salary £160, rising to a higher maximum.

(2) A FORM MISTRESS, experienced in Middle School work, with special qualifications for teaching Geography and History (English and European). History Degree or Geography Diploma essential. Evidence of educational research in the method of co-ordinating the teaching of History and Geography for junior forms in the Middle School will be considered a special qualification. Salary £180, rising to a higher maximum.

(3) A SENIOR FORM MISTRESS and Modern Language Specialist, with Honours Degree and experience in teaching and organizing French up to Advanced Course Work essential. Salary £220, rising to a higher maximum.

(4) A FORM MISTRESS with Classical Degree to teach Latin, Classical and Ancient History, with good English as subsidiary. Experience in co-ordinating the above subjects and skill in initiating school debates will be considered a special qualification. Salary £160, rising to a higher maximum.

The applications for all the above posts from candidates who give evidence of interest in games and social activities will receive special consideration. Applications should be made on the special form, which is to be obtained from and returned to the undersigned as soon as possible.

A. C. BOYDE,

Director of Education and Secretary,
Education Office, Darlington,
February, 1919.

WANTED, after Easter, for a Girls' High School, in the North of England, Responsible HOUSE MISTRESS for School Boarding House, 40 Boarders. Salary £80. Address—No. 10,743.*

WANTED, next Term, MISTRESS to teach Latin and some Mathematics. Churchwoman, degree or equivalent essential. Apply—HEAD MISTRESS, 254 High Road, Streatham, S.W., enclosing stamped addressed envelope for return of testimonials.

IMMEDIATELY, or in May.—Required, a MISTRESS to teach Painting and Drawing throughout the School; must be able to offer other subjects. Churchwoman. Apply—HEAD MISTRESS, Clergy Daughters' School, Casterton, Kirby Lonsdale.

REQUIRED, at Easter, Resident LADY HOUSEKEEPER for good Boarding School for Girls. Good experience essential. Catering for 100. 12 maids kept. Apply, stating salary required, to the PRINCIPAL, Towerfield Collegiate School for Girls, Bournemouth.

WANTED, now or in May, GEOGRAPHY MISTRESS, to teach also some English. Resident post. Salary according to qualifications. Church of England. Apply—LADY WARDEN, St. Michael's School, Bognor.

REQUIRED in September (sail in August), for a Government High School in South Africa, a MISTRESS to teach History, Greek, some English. Degree or equivalent; training and experience. Salary from £170 to £190, rising by £5 annually to £250. Residence in school costs £32.10s. per annum. Light supervision. Apply, with full particulars, to Mrs. BROUGH, Association of University Women Teachers, 108 Victoria Street, London, S.W.1.

ITALY.—ENGLISH GOVERNESS required. A lady of good family, musical, knowing either French or German. Treated quite as one of the family. Liberal salary and travelling expenses. GUATEMALA (Coffee Plantation).—Lady to take responsible charge of two little boys. Knowledge of health, good Needlewoman essential. Three years' contract. Salary £70.—HOOPER'S, 13 Regent Street, London, S.W.1. Established 1881. Many good school appointments to offer. No charge till suited. Stamp.

Posts Vacant—continued.

CHEL TENHAM LADIES' COLLEGE.—Wanted, for Summer Term:—(1) Experienced ASSISTANT MISTRESS in the Kindergarten. (2) A MISTRESS to teach French on Direct Method. (3) A MISTRESS to teach elementary Mathematics on modern methods. Apply—VICE-PRINCIPAL.

WANTED, a qualified Resident TEACHER OF DOMESTIC ECONOMY for the Masonic Female Orphan School, Dublin (Cookery, Laundry, Needlework, &c.). The lady appointed will be expected to teach elementary subjects to junior pupils, and to assist the other teachers in the supervision of the pupils. Salary £90 per annum, with board, residence, and laundry.

Apply before March 8th, enclosing copies of testimonials, to the ASSISTANT SECRETARY, Masonic Schools, Freemasons' Hall, Molesworth Street, Dublin.

TUNBRIDGE WELLS HIGH SCHOOL (G.P.D.S.T.).—Wanted in September, for work in an Advanced Course:—(1) A MATHEMATICAL MISTRESS. (2) A SCIENCE MISTRESS to take Chemistry and some Botany. Salary in each case about £200. Apply to the HEAD MISTRESS.

NEWCASTLE (STAFFS.) EN- DOWED SCHOOLS.—Wanted, May 6th, ASSISTANT MISTRESS, good English and Latin, to take charge of Middle Form. Degree or equivalent. Salary according to qualifications and experience. Apply—HEAD MISTRESS.

LEWISHAM GRAMMAR SCHOOL FOR GIRLS, CATFORD, S.E. For May 8:—(1) SCIENCE MISTRESS for two of the subjects: Chemistry, Physics, Botany. (2) SENIOR CLASSICAL MISTRESS for Latin, Greek, Middle School English. Each to take charge of a Form, one required to take Senior Scripture. One of the posts to carry with it the position of Second Mistress. Honours degrees, suitable experience essential. Good initial salaries, L.C.C. scale. Also TEMPORARY HELP wanted immediately for Chemistry or Physics. All applications at once to—HEAD MISTRESS.

BUENOS AIRES.—ENGLISH MISTRESS required, trained and experienced in teaching general subjects to Senior Cambridge standard. 200 dollars, paper Argentine, monthly. Passage out paid. Also vacancy in Girls' Boarding School (France) for ENGLISH MISTRESS. Small salary.—HOOPER'S, Educational Agents, 13 Regent Street, London, S.W.1. Established 1881. Many excellent vacancies. No charge till suited. Stamp.

LINCOLN GIRLS' HIGH SCHOOL.—Required, in September, SCIENCE MISTRESS for Chemistry and Physics, possibly some Mathematics. Salary according to qualifications. Applications, with testimonials, to the HEAD MISTRESS.

ST. LEONARDS SCHOOL, ST. ANDREWS, FIFE.—Required, for the term beginning May 1st, a fully qualified and experienced GEOGRAPHY MISTRESS. Further particulars on application to the HEAD MISTRESS.

MATRON wanted in May for small High School Boarding House, to supervise girls out of school hours, or to supervise house servants. Apply—HEAD MISTRESS, High School, Beverley.

HOWELL'S SCHOOL, DENBIGH.

TRUSTEES: THE DRAPERS' COMPANY.
Wanted, after Easter, Resident MISTRESS to teach Classics and, if possible, some Mathematics or English. Salary according to qualifications. Apply—HEAD MISTRESS.

BEDFORD GIRLS' MODERN SCHOOL.—Wanted in May, ASSISTANT MISTRESS to take Botany, Science, and elementary Mathematics. Salary not less than £150. Applications to HEAD MISTRESS.

ROAN SCHOOL FOR GIRLS, Devonshire Road, Greenwich, S.E.10.—Wanted, May 1st, ENGLISH MISTRESS, Trained Graduate. Experience with elder girls essential. Subsidiary History desired. Salary according to experience: maximum £270 non-resident.—Apply, before March 15th, to Miss Higgs, Girls' High School, Glasgow.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

ASSISTANT MISTRESSES ASSISTANT MASTERS LADY MATRONS and HOUSEKEEPERS

seeking appointments in Public or Private Schools are invited to communicate with Truman and Knightley, Ltd., whose close and intimate relations with the leading schools place them in a unique position to find candidates suitable for openings in all branches of the teaching profession.

A special feature of this agency is the personal attention it gives in endeavouring to secure appointments suited to the applicant in every way.

The number of vacancies is now too large to permit of a satisfactory selection being inserted, and applicants are therefore invited to state their requirements fully, assured that they will, if desired, be treated in strictest confidence.

There is no registration fee and the commission charged to those for whom an appointment is secured is very moderate.

LADIES AND GENTLEMEN SEEKING PARTNERSHIPS IN OR TO TAKE OVER SCHOOLS OF THEIR OWN SHOULD COMMUNICATE PERSONALLY WITH MR. TRUMAN, WHO UNDERTAKES ALL NEGOTIATIONS CONNECTED WITH THE TRANSFER OF SCHOOLS, AND IS IN A POSITION TO OFFER ASSISTANCE AND SOUND ADVICE TO PURCHASERS, TO WHOM NO CHARGE IS MADE.

INTERVIEWS WILL BE ARRANGED BY APPOINTMENT.

TRUMAN & KNIGHTLEY Ltd

Scholastic Agents

Managing Directors: S. A. TRUMAN and JAMES HEARD, B.A. (*Westminster and Trinity Colleges, Cambridge*)

Offices :

SHEFFIELD HOUSE, 158-162 OXFORD STREET

Telegrams :
"TUTORESS, PHONE, LONDON." **LONDON, W.1.**

Telephone :
MUSEUM 1136.

OUTSTANDING BOOKS FOR THE STUDY OF ENGLISH

Published by BLACKIE & SON, Ltd.

PICTURE COMPOSITION.

Teaching of English through Pictures.

By LEWIS MARSH, M.A., Head Master of Ealing County School. In Three Books, each containing 16 full-page beautifully coloured Pictures and many other Illustrations. Cloth covers, 9d. each.

PREPARATORY COURSE OF LITERARY READING AND COMPOSITION.

Edited by LEWIS MARSH, M.A. Illustrated from Famous Paintings. 2s.

SENIOR COURSE OF LITERARY READING AND COMPOSITION.

Illustrated from Famous Paintings. Edited by LEWIS MARSH, M.A. 2s. 6d.

ON THE WRITING OF ENGLISH.

By GEORGE TOWNSEND WARNER, M.A., sometime Fellow of Jesus College, Cambridge; Master of the Modern Side at Harrow School. 3s. 6d. net.

A FIRST ENGLISH COURSE.

By FRANK JONES, B.A., Assistant Master, King Edward's School, Aston, Birmingham; Lecturer in English at the Birmingham and Midland Institute; Joint Author of Scott and Jones's *Latin Course*. 2s. 9d.

A course of English on heuristic lines, dealing with grammar and analysis, composition, figures of speech, poetry, phonetics, &c.

FIRST ENGLISH EXERCISES.

By FRANK JONES, B.A. 1s. 9d.

Reprinted from *A First English Course* for class use where the master prefers to give the grammatical exposition orally.

A SCHOOL HISTORY OF ENGLISH LITERATURE.

From CHAUCER to BURNS. By ELIZABETH LEE, formerly Lecturer in English Literature at Streatham Hill High School. With Introduction by EDMUND K. CHAMBERS, M.A. Vol. I. CHAUCER to MARLOWE. 2s. net. Vol. II. SHAKESPEARE to DRYDEN. 2s. net. Vol. III. POPE to BURNS. 2s. net.

THE JUNIOR SCHOOL SHAKESPEARE.

A series of the greater Plays, edited, with Introduction, Notes, &c., by Experienced Scholars, for Junior Students and Junior Candidates in the University Local Examinations. The Plays are edited chiefly from the literary standpoint, although philological notes, where such are required, are given. Clearly printed and neatly bound in limp cloth covers. With Coloured Frontispiece. Price 10d. each.

THE PLAIN-TEXT SHAKESPEARE.

A neat edition of the greater plays of Shakespeare, presented in a serviceable form at a cheap price. The text follows the well-known Junior School Shakespeare, which omits everything which might be thought undesirable in class reading. Cloth covers, price 6d. each.

THE PLAIN-TEXT POETS.

With Introductions by teachers of experience and position, but no further notes are given. With Frontispiece, neatly bound in cloth covers, limp, 9d. each.

THE WARWICK SHAKESPEARE.

General Editor: Prof. C. H. HERFORD, Litt.D., Professor of English Language and Literature in the University of Manchester, Examiner of English in London University. The text of each play is accompanied by an Introduction, Notes, Glossary, and an Essay upon Metre. The "Warwick Shakespeare" holds place as the standard edition for the more advanced study of Shakespeare as literature, and is now universally recognized as the best annotated edition for school use. Crown 8vo, cloth boards, price 1s. 9d. each net.

GRADUATED EXERCISES IN ENGLISH COMPOSITION.

FOR CLASS USE. By H. BENDALL, M.A., Secretary to the Joint Scholarships Board. 1s. 6d. net.

HIGHER ENGLISH.

A Textbook for Secondary Schools. By DAVID CAMPBELL. Revised Edition with Grammatical Appendix. 1s. 9d.

LOWER ENGLISH.

A Textbook for Intermediate Classes. By DAVID CAMPBELL. 1s.

THE BEGINNER'S ENGLISH.

By DAVID CAMPBELL. 1s.

THE ENGLISH LANGUAGE AND LITERATURE.

An Outline for Schools. By DAVID CAMPBELL. 9d.

WORDS: THEIR ORIGIN AND USE.

A Correlated Scheme for Spelling, Derivation, Reading, Dictation and Composition. By F. W. CHAMBERS and A. J. KER, Northfield Boys' School, West Ealing, London. In two Books, each with a companion Teachers' Book. 9d. each. TEACHERS' BOOK, containing the Scholars' Books and 40 additional pages of Notes. 1s. 6d. net.

POETICA: A Book of English Verse for Repetition.

Chosen and arranged by JOHN RIDGES, M.A. (Cantab.), sometime Head Master of Leighton Park School, Reading. Illustrated with Portraits. Divided into three Parts for the three school years ending at 15 or 16. Daintily bound in art linen, 2s. net; also issued in four Parts, cloth covers, 9d. net each.

THE CALL OF THE HOMELAND.

A collection of English Verse. Selected and arranged by R. P. SCOTT, LL.D., and KATHARINE T. WALLAS, M.A. In two Volumes. 2s. 6d. net each. Also in one Volume, cloth elegant. Suitable for presentation. 4s. 6d. net.

Book I. Echoes from History—Britain Overseas—The Sea—The Changing Year.

Book II. The English Countryside—Home—Exile—Compatriots—The Call to Serve—The Call to Happiness.

ENGLISH POETRY FOR THE YOUNG.

Compiled and edited by S. E. WINBOLT, M.A., Christ's Hospital, 1s. 6d.

AN EDGBASTON POETRY BOOK.

For Girls' Schools. Edited by EDITH M. COLMAN, Edgbaston High School for Girls, Birmingham. 2s. net.

BLACKIE'S ENGLISH TEXTS.

Edited by W. H. D. ROUSE, Litt.D., Head Master of the Perse School, Cambridge. A wealth of material for the literary study of English. Each book has a brief introduction dealing with the author's life and place in literature, but no notes. Over a hundred volumes are now in the series, offering a wide field for selection in General Literature, Travel, and History.

BLACKIE'S SMALLER ENGLISH CLASSICS.

Selections from Standard Authors. Edited by Competent Scholars, with Biographical Sketch and Explanatory Notes. Each, paper, 2½d.; limp cloth, 4d.

Recent Important Books for the Study of Italian.

A NEW ITALIAN GRAMMAR.

For the use of Schools, Commercial Colleges, and Universities. By ERNESTO GRILLO, M.A., LL.D., D.C.L., Professor of Italian Language and Literature in the University of Glasgow. 8vo, cloth, 6s. net.

A systematic course of instruction in grammar and in the elementary principles of composition.

SELECTIONS FROM THE ITALIAN PROSE WRITERS.

With Critical Introduction. By ERNESTO GRILLO, M.A., LL.D., D.C.L., Professor of Italian Language and Literature in the University of Glasgow. 7s. 6d. net.

SELECTIONS FROM THE ITALIAN POETS.

With Critical Introduction. By ERNESTO GRILLO, M.A., LL.D., D.C.L., Professor of Italian Language and Literature in the University of Glasgow. 7s. 6d. net.

Prospectuses post free on application.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.

Supplement to THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 596.

MARCH 1, 1919.

ENGLISH

THE NEW HUDSON SHAKESPEARE

With Introduction and Notes by HENRY NORMAN HUDSON, LL.D. Edited and Revised by E. C. BLACK, Ph.D. Glasgow, with the co-operation of A. J. GEORGE, Litt.D. Each volume price **1s. 9d. net.**

An edition which combines scholarly and helpful editorial matter with attractive binding and type. Dr. Hudson is a recognized authority on Shakespeare and, as one would expect, his aids to the pupil are both sympathetic and suggestive, for he constantly aims at leading his readers to understand and appreciate Shakespeare as a man and as an artist, by bringing them into close touch with his manifold revelations of human life.

The volumes are artistically bound in blue flexible cloth, printed on good paper, contain in each case an authentic facsimile of an important page from a Quarto, Folio or Source Book, and are a convenient size for the pocket.

THE FOLLOWING VOLUMES ARE NOW READY:—

As You Like It
Coriolanus
Hamlet
Henry V
Julius Caesar

King John
King Lear
Macbeth
Merchant of Venice
Midsummer Night's Dream
Much Ado About Nothing

Richard II
Richard III
Romeo and Juliet
The Tempest
Twelfth Night

(Illustrated Prospectus post free on application.)

ENGLISH LITERATURE :

Its History and Significance for the Life of the English-Speaking World. By WM. J. LONG, Ph.D. 582 pp. Illustrated. **6s. 6d. net.**

The primary aim of the author of **English Literature** has been to create and encourage in every student the desire to read the best books. He has, therefore, throughout the volume laid emphasis upon the delights of literature; has treated books, not as mere instruments of research, but rather as instruments of enjoyment and inspiration; and, by making the study as attractive as possible, has sought to encourage the student to read widely for himself, to choose the best books, and to form his own judgment about "the things worthy to be remembered."

Prospectus post free on application.

Other books by the same author are:—

American Literature.

481 pages. Illustrated. **6s. 6d. net.**

English and American Literature.

557 pages. Illustrated. **7s. 6d. net.**

Outlines of English Literature.

351 pages. Illustrated. **5s. 6d. net.**

Outlines of American Literature.

557 pages. Illustrated. **4s. 6d. net.**

The STANDARD ENGLISH CLASSICS Series

Each of the volumes in the Standard English Classics Series contains excellent and appropriate editorial matter designed to give the reader that acquaintance with its author, his literary environment and his other works which will lead to an appreciation of the book in question and an understanding of the reason for the place which has been assigned to him in the history of literature.

The following is a selection of the volumes in this Series. A complete list may be obtained, post free, on application:—

Arnold: Sohrab and Rustum (with other Poems). **1s. 6d. net.**

Addison and Steele: Sir Roger de Coverley Papers. **1s. 6d. net.**

Burke: Speech on American Taxation. **1s. 6d. net.**

Burke: Speech on Conciliation with America. **1s. 9d. net.**

Dickens: Tale of Two Cities. **2s. 9d. net.**

Elliot: Silas Marner. **1s. 9d. net.**

Macaulay: Life of Johnson. **1s. 6d. net.**

Pope: Rape of the Lock and other Poems. **1s. 9d. net.**

Scott: Ivanhoe. **3s. net.**

Tennyson: The Princess. **1s. 9d. net.**

THE MOTHER TONGUE SERIES

Edited by J. W. ADAMSON and A. A. COCK.

Book One: Lessons in Speaking, Reading and Writing English. Complete, Illustrated, 2s. 3d. net. In Parts—Part I, 10d. net. Part II, 10d. net. Part III, 1s. net.

Book Two: The Practice of English. Complete, 3s. net. In three parts, each 1s. 4d. net.

(An Illustrated Prospectus of the Series will be sent post free on application.)

ORAL ENGLISH. By JOHN M. BREWER. 396 pages. **5s. 6d. net.**

An attempt to put the subject of Oral English upon a definite constructive basis. The book provides the student with brief directions, detailed and abundant exercises, and suggestive topics for use in both theory and practice for explaining, arguing and relating; and it lays constant emphasis upon the treatment of subject matter according to the best practice in written composition.

PRACTICAL ENGLISH GRAMMAR. By JOHN T. PRINCE. 256 pages. **3s. 6d. net.**

Presents in simple form the most important facts of correct English construction and provides abundant practice in their application. It gives the pupil a thorough knowledge of the relations of words in sentences, and of the principles and rules of construction and of inflections.

GINN AND COMPANY, 9 St. Martin's Street, Leicester Square, London, W.C.2

IMPORTANT EDUCATIONAL BOOKS

Second large Edition in the Press.

THE PLAY WAY.

An Essay in Educational Method.

By H. CALDWELL COOK, M.A.

Demy 8vo, Illustrated from Photographs. **8s. 6d. net.**

"The book is of the first rank, and we feel that our duty at the moment, is to secure that it should be singled out for close study by all who are prepared to revise their methods when fresh light is presented."—*The Journal of Education*.

THE PEOPLE OF ENGLAND.

A Social History for Schools.

By STANLEY LEATHES, C.B., M.A.

Vol. I. **THE PEOPLE IN THE MAKING.**

From the Earliest Times to the Invention of Printing.

Vol. II. **THE PEOPLE IN ADVENTURE.**

To the French Revolution.

Each volume 320 pp., with over 100 Illustrations. **2s. 6d. net.**

"We hope that Mr. Leathes's work, besides delighting the child with its unfailing fertility of interest, may stimulate the teacher to make such methods his own. . . . The pictorial illustrations are many and well chosen."—*Times*.

HEINEMANN'S SCIENCE MANUALS.

INTRODUCTORY ELECTRICITY AND MAGNETISM.

By CARL W. HANSEL, B.Sc.

Over 300 Illustrations and Diagrams. Crown 8vo. **2s. 6d. net.**

A complete first course in electricity and magnetism based upon actual experiment, and embracing the recent changes and recommendations of the Board of Education's new syllabus.

A FIRST-YEAR COURSE IN GENERAL SCIENCE.

A Combined Text-book and Note-book.

By E. A. GARDINER, M.A., F.C.S.

2s. 6d. net.

This book presents an experimental course of general elementary science, and is an attempt to save time for the boy and labour for the teacher. It is divided into three sections:—I, Simple measurements. II, Some Common Apparatus and Instruments. III, Properties of Water and Air.

EXPERIMENTAL DOMESTIC SCIENCE.

By R. H. JONES, M.Sc., F.C.S.

With over 80 Illustrations and Diagrams. Crown 8vo.

2s. 6d. net.

This book provides a suggested course for Domestic Science Schools and Girls' Schools generally, based upon the view that Science can be directly and adequately taught in the Kitchen. The chief scientific principles in their application to domestic subjects are made clear by drawing upon everyday experience, and by the aid of kitchen utensils and commodities.

EXPERIMENTAL MENSURATION.

An Elementary Text-book of Inductive Geometry.

By H. S. REDGROVE, B.Sc. (Lond.), F.C.S.

The special feature of this book is the *combination* instead of the usual separation of Elementary Geometry, Trigonometry, and Mensuration. It is suitable for first and second year students of Technical Schools.

NOTE.—Mr. Heinemann will be glad to hear from teachers who have manuscripts on educational matters which they desire to publish.

The Only Authorised Books on the Montessori Method.

THE MONTESSORI METHOD.

By DOCTOR MARIA MONTESSORI.

Illustrated. **8s. 6d. net.**

In this book Dr. Montessori gives a clear explanation of her method and the principles upon which it is based.

DR. MONTESSORI'S OWN HAND-BOOK.

A Manual for Teachers and Parents.

3s. 6d. net.

As a supplement to her larger book on the Method, Dr. Montessori has produced this explanatory manual, which is invaluable for all teachers.

A New Montessori Book.

THE ADVANCED MONTESSORI METHOD.

By DR. MARIA MONTESSORI.

Vol. I. **SPONTANEOUS ACTIVITY IN EDUCATION.** **8s. 6d. net.**

Vol. II. **THE MONTESSORI MATERIAL FOR CHILDREN UP TO ELEVEN YEARS.** **12s. 6d. net.**

"A contribution to scientific pedagogy such as we have not had since the institution of the kindergarten eighty years ago."—*School Guardian*.

A COMMON-SENSE ALGEBRA.

By ASA BURNISTON, L.C.P. (Hons.).

1s. 6d. net. With Answers, **2s. net.**

Suitable for use in the Upper Classes of Elementary Schools, in Evening Schools, and in the Lower Forms of Secondary and Technical Schools. An extremely useful and enlightened introductory algebra.

ELEMENTARY BUSINESS TRAINING.

By V. H. ALLEMANDY.

Crown 8vo. **1s. 6d. net.**

This book is intended for use in the Upper Classes of Elementary Schools and in Commercial and Evening Classes.

THE BRITISH ISLES.

By A. B. ARCHER, M.A.

Illustrated. **2s. 6d. net.**

This is the first book in a new series, forming a Secondary School course in Geography, and is suitable for the Lower Middle Forms.

AVENTURES ET MERVEILLES.

A Simple French Reader for Junior Forms.

By C. V. CALVERT, B.A.

Crown 8vo. 300 pp. Illustrated. **2s. 6d. net.**

FRENCH TRANSLATION AND COMPOSITION.

By H. J. CHAYTOR, M.A., and E. RENAULT, B.A.

Crown 8vo. **2s. net.**

SCIENCE AND EDUCATION.

Edited, with an Introduction, by Sir RAY LANKESTER.

1s. 6d. net.

This volume contains seven lectures which were delivered by Whewell, Faraday, Latham, Daubeny, Tyndall, Paget, and Hodgson before the Royal Institution in 1854.

LONDON: WILLIAM HEINEMANN, 20-21 Bedford St., W.C.2.

DIRECTORY OF EDUCATIONAL ASSOCIATIONS.

[This List is Copyright. Reproduction is forbidden.]

THE object is stated only when this is not obvious from the title or not known by general repute. Then follow—(a) the membership total, (b) the yearly subscription, (c) the Society's organ, (d) the telegraphic address, (e) the telephone number, (f) the date and place of next annual meeting, (g) the secretary's name and office address.

At the end will be found the first instalment of a List of those Professional Societies holding a qualifying Entrance Examination for membership or fellowship.

We owe our best thanks to Secretaries for their promptitude in correcting slips.

Aberdeen County Schoolmasters' Association.

60. 1s. (f) November, Aberdeen. Mr. M. G. Gerrard, M.A., F.E.I.S., Bucksburn.

Academy, The British.

For the promotion of Historical, Philosophical, and Philological Studies. 98. (c) *Proceedings*. Prof. I. Gollancz, Litt.D., Burlington House, Piccadilly, W. 1.

Adult School Union, National.

60,000 (c) *One and All*. (d) Aduscolum ('phone) London. (e) Victoria 7400. (f) March 1919. Mr. George Peverett, 1 Central Buildings, Tothill St., S.W. 1.

Agriculture. Representative Council of Associations of Officers of Agriculture and Technical Instruction Committees in Ireland. 500. 5s. (c) *Agricultural and Technical Education*. (d) Mr. John O'Connor, Courthouse, Cork. (e) 858 Cork. (f) March, Dublin.

Agriculture and Technical Instruction [Ireland], Department of.

(c) *Own Journal*. (d) Resources, Dublin. (e) Dublin 3789. Mr. T. P. Gill, Upper Merrion St., Dublin.

Alliance Française pour la propagation de la langue française. 101 Boulevard Raspail, Paris.

Anglo-Belgian Union, Education Sub-Committee.

Mr. Algernon Maudsley, C.B.E., 6 Burlington Gardens, W. 1.

Anglo-French Society.

7s. 6d. (c) *The Anglo-French Review*. (e) Museum 2217. Messrs. Henry D. Davray and W. G. Hislop, Joint Hon. Secs., Scala House, Tottenham Street, London, W. 1.

Anglo-Portuguese and Brazilian Society.

£1 1s. (e) Museum 276. Mr. Arthur Maquarie, 2 Bloomsbury Square, W.C. 1.

Appointments Board, University of London.

To assist Graduates to obtain appointments. (d) Appointments University, Southkens, London. (e) Kensington, 7000. Mr. H. J. Crawford, B.A., University of London, S.W. 7.

Aristotelian Society.

For the study of Philosophy. 175. £1. 1s. (c) *Proceedings*. (f) July 14, 1919. Prof. G. Dawes Hicks, 22 Albemarle St., W. 1.

Army School Appointments.

Address—The Officer Adminstrating Army Schools, A.G. 4 (B), War Office, Whitehall, S.W. 1.

Art Masters, National Society of.

637. £1. 1s. (c) *Own Journal*. (f) January, Birmingham. Mr. Alfred Shuttleworth, A.R.C.A., 45 Bedford Row, W.C. 1.

Art Teachers' Guild.

250. 5s. (c) *Art Teachers' Guild Record*. (f) Jan. 1920. Miss E. M. Spiller, 11 Ilighbury Cres., London, N. 5.

Arts, Royal Society of.

3,000. £2. 2s. (c) *Own Journal*. (d) Praxiteles, Westrand, London. (e) Gerrard 5610. (f) June, at Society's house. Mr. G. K. Menzies, M.A., 18 John St., Adelphi, W.C. 2.

Assistant Masters, Incorporated Association of.

Masters in Secondary Schools. 5,000. 10s. 6d. (c) *The A.M.A.* (d) Incoroma, Holb, London. (e) City 608. (f) Jan. 1920. Mr. J. G. Lamb, M.A., 35 John St., W.C. 1.

Assistant Mistresses in Public Secondary Schools, Association of. (Incorporated.)

2,900. 5s. (f) January 1920. Miss K. Andrews, 30 Clanricarde Gardens, W. 2.

Associated Board of the Royal Academy of Music and the Royal College of Music for Local Examinations in Music.

(d) Associa, London. (e) Museum 1710. (f) July. Mr. James Muir, 14 and 15 Bedford Square, London, W.C. 1.

Authors, Playwrights, and Composers, Incorporated Society of.

2,400. £1. 1s. (Life) £10. 10s. (c) *The Author*. (d) Autoridad, London. (e) Victoria 374. Mr. G. Herbert Thring, 1 Central Buildings, Tothill St., Westminster, S.W. 1.

Birds, Royal Society for the Protection of.

3,000. Fellows, £1. 1s.; Members, 5s. (c) *Bird Notes and News*. (e) Victoria 2412. (f) March 1919, at Middlesex Guildhall. Miss L. Gardiner, 23 Queen Anne's Gate, S.W. 1.

Birmingham Council and Voluntary Schools Head Teachers' Association. 330. 5s. (c) *Head Teachers' Review*. (f) Nov. 1919. Mr. J. G. Forrester, Tindal St. School, Balsall Heath.

Blind, Home Teaching Society for the.

5000. (d) Aveugles, Wesdo, London. (e) Mayfair 2796. (f) March 1919, at the National Institute for the Blind. Miss M. Ainsworth Gilbert, 143 Great Portland St., W. 1.

Board of Education Library. Temporarily closed. Address inquiries: Mr. A. E. Twentyman, The Victoria and Albert Museum, S.W. 7.

Board of Examinations for Educational Handwork. Prof. J. A. Green, The University, Sheffield.

Board of National Education in Ireland.

National Education Office, Marlborough St., Dublin.

Botanic Society, Royal, of London.

2,000 Fellows. £3. 3s. (c) *Botanical Journal*. (e) Mayfair 644, 322. (f) Sept. 17, 1919. Mr. Henry W. Woodford, Inner Circle, Regent's Park, N.W. 1.

British Association for the Advancement of Science.

3,500. £2 first year, £1 after; Life £10. (c) Annual Report. (d) Igdrasil, Piccy, London. (e) Mayfair 2224. Mr. O. J. R. Howarth, Burlington House, W. 1.

British and Foreign School Society.

The Promotion of popular education at home and abroad. £1. 1s. Life £10. 10s. (c) *Educational Record*. (e) Central 7969. (f) May 1919. Mr. W. Prydderch Williams, 114 Temple Chambers, E.C. 4.

British Science Guild.

The application of scientific principles in national affairs. 1,000. (b) Fellows, £1. 1s.; Members, 10s. (c) *Own Journal*. (e) Regent 5089. Miss A. D. L. Lacey, 199 Piccadilly, W. 1.

Carnegie United Kingdom Trust, The.

(d) Ameliorate, Dunfermline. (e) 398 Dunfermline. Sir James Douie, K.C.S.I., East Port, Dunfermline.

Central Welsh Board for Intermediate Education.

82. (d) Canol, Cardiff. (e) Cardiff 4735. (f) May 16, 1919, Swansea. Mr. I. Myrddin Evans, B.A., 54 Charles St., Cardiff.

Cherwell Hall and Milham Ford School and Church Education Corporation.

(d) Outgrowth Churton, London. (e) Victoria 3319. Mr. Chas. C. Osborne, 34 Denison House, Westminster, London, S.W. 1.

Child Study Society, London.

For the scientific study of the mental and physical condition of children, and also of educational methods, with a view to gaining greater insight into Child Nature and securing more sympathetic and scientific methods of training the young. 400. 5s. and 10s. 6d. (c) *Child Study*. Mr. W. J. Durrie Mulford, 90 Buckingham Palace Rd., S.W. 1.

Church of England Sunday School Institute.

(d) Catechist, London. (e) Central 9272. (f) September 27, 1919. Rev. H. Dawson, M.A., 13 Serjeants' Inn, Fleet St., E.C. 4.

Church Schoolmasters and Schoolmistresses' Benevolent Institution.

14,000. 5s. (c) *The School Guardian*. (e) Mayfair 7038. (f) June, in London. Mr. Tom M. Pettitt, 12 Princes Street, Hanover Square, W. 1.

Church Schools Company, Ltd. [Not for profit.]

Mr. F. W. Pittman, Church House, Dean's Yard, S.W. 1.

Church Schools Emergency League.

4,000. (e) Victoria 4079. (f) November, at office. Mr. G. Lawder-Eaton, Church House, Westminster, S.W. 1.

City and Guilds of London Institute.

Mr. A. L. Soper, Gresham College, Basinghall St., E.C. 2.

Civic and Moral Education League.

To promote systematic Civic and Moral Education and to make the formation of character the chief aim in school life. 800. 1s. upwards. (c) In abeyance. (f) June, 1919, London. Miss Constance M. Brown, 11 Tavistock Sq., W.C. 1.

Civil Service Commission.

Mr. L. C. H. Weekes, Burlington Gardens, W. 1.

Class Teachers, National Federation of.

30,000. (c) *The Class Teacher*. (f) Sept. 1919. Mr. J. H. Lumby, B.A., 14 Bayfield Road, Grassendale, Liverpool.

Classical Association.

1,500. 5s. and 5s. entrance fee. (c) *Own Proceedings*. (f) May 1919, at Oxford. Hon. Secs.: Prof. D. A. Slater, M.A., 4 Chalcot Gardens, N.W. 3, and Prof. P. N. Ure, M.A., University College, Reading.

Classical Association of Scotland.

330. 5s. (c) *Own Proceedings*. Mr. W. King Gillies, M.A., 25 Queen Margaret Drive, Glasgow.

College of Preceptors.

1,000. 10s. 6d. for holders of the College diplomas; £1. 1s. for

- other members. (d) Preceptors, Westcent, London. (e) Central 4875. (f) March 29, 1919, at office. Mr. G. Chalmers, Bloomsbury Square, W.C. 1.
- Colonial Intelligence League (For Educated Women). To estimate the demand for women's work in the Overseas Dominions, and bring it into relation with the supply in this country. Minimum 5s. (d) Colindale, Vic, London. (e) Victoria 5962. (f) June 1919. Miss Evelyn Story, 11 Queen Anne's Chambers, Westminster, S.W. 1.
- Commercial Teachers, Incorporated Society of. 170. 10s. 6d. (e) *The Commercial Teacher*. (e) City, Manchester, 188. (f) July, 1919, London. Mr. T. Booth Brown, 63 Deansgate Arcade, Manchester.
- Commissioners of Education in Ireland for Endowed Schools. Mr. Stanislaus Murphy, LL.B., 14-15 Castle St., Dublin.
- Conference of Catholic Colleges. 113. £1. (f) May 1919. Very Rev. Canon Driscoll, M.A., D.D., Cardinal Vaughan School, Addison Rd., W. 14.
- Conference of Educational Associations. The following are represented on the Committee:—Art Teachers' Guild, Assocn. of Assistant Mistresses, Assocn. of Head Mistresses, Assocn. of Science Teachers, Assocn. of Teachers of Domestic Subjects, Assocn. of University Women Teachers, Child Study Assocn., Civic and Moral Educn. League, College of Preceptors, Dalcroze Society, Education Reform Council, Educational Handwork Assocn., Friends' Guild of Teachers, Froebel Society and Junior Schools Assocn., Geographical Assocn., King Alfred School Society, Modern Language Assocn., Montessori Society, National Assocn. of Manual Training, National Home-Reading Union, National Society of Art Masters, Parents' National Educational Union, Private Schools Assocn., Reform of Latin Teaching, Regional Assocn., Royal Drawing Society, School Nature Study Union, Schools Personal Service Assocn., Simplified Spelling Society, Society of Education, Teachers' Guild, Teachers in Technical Institutes, Training College Assocn., Union of Private Governesses. 8th Annual Conference, January 1920. 9 Brunswick Sq. W.C. 1.
- County Councils Association, Education Committee of the. 120. (e) *Own Gazette*. (d) Combined, Vic, London. (e) Victoria 299. (f) March. Mr. G. Montagu Harris, 82 Victoria St., S.W. 1.
- Cruelty to Animals, The Scottish Society for Prevention of. 2s. 6d. (e) Central 2194. (f) January, Edinburgh. Mr. Archibald Langwill, C.A., 19 Melville St., Edinburgh.
- Cruelty to Children, National Society for Prevention of (Incorporated). (e) *The Child's Guardian*. (d) Childhood, Westrand, London. (e) Gerrard 872. (f) May. Mr. R. J. Parr, O.B.E., Leicester Sq., W.C. 2.
- Dalcroze Society of Gt. Britain and Ireland. 320. 2s. (d) Eckhard, Didsbury. (f) January. Mrs. M. L. Eckhard, Broome House, Didsbury.
- Deaf, National Association for the Oral Instruction of the. Training College for Teachers of the Deaf and School for Deaf Children. (e) Museum 272. (f) July, Portman Rooms, Baker St., W. 1. Mr. G. Sibley Haycock, 11 Fitzroy Sq., W. 1.
- Deaf, Teachers of the, National College of, Incorporated, Scots-Irish Branch. 59. 6s. (e) *Teacher of the Deaf*. (e) Langside 162. (f) March 1 at office. Dr. J. Welsh, Institution for the Deaf and Dumb, Glasgow.
- Deaf, National College of Teachers of. 407. 6s. (e) *Teacher of the Deaf*. (f) March, Mr. A. F. Boyer, School for the Deaf, Versailles Rd., Anerley, S.E. 20.
- Decimal Association, The. £1. 1s. (e) *Decimal Educator*. (a) Affront, Ave, London. (e) Central 2250. Mr. E. Merry, 46 Finsbury Pavement, E.C. 2.
- Directors and Secretaries for Education, Association of. 132. £1. (d) Keen, "Cefnlllys," Cambridge. (e) Cambridge 1065. Mr. Austin Keen, M.A., Cefn Lllys, Cambridge.
- Domestic Studies, National Council for. [To supersede the National Union for Technical Education of Women in the Domestic Sciences.] Miss E. B. Cook, 90 Albion Street, Leeds.
- Domestic Subjects, Association of Teachers of. 1700. 5s. (f) May, London. Miss K. Mildred Buck, 70 Hastings House, 10 Norfolk St., Strand, W.C. 2.
- Drawing Society, The Royal. Incorporated 1902. (d) Roydrascoe Vic, London. (e) Victoria 5933. (f) Jan. 1920. Mr. T. R. Ablett, 50 Queen Anne's Gate, S.W. 1.
- Edinburgh Provincial Committee for the Training of Teachers. (e) Central 5142. Mr. John King, M.A., B.Sc., Director of Studies, Provincial Training Centre, Moray House, Edinburgh.
- Education, Society of. 70. £1s. 1s.; if member of affiliated Society, 10s. 6d. (e) Museum 1950. Dr. W. G. Sleight, 9 Brunswick Sq., W.C. 1.
- Educational Colonies and Self-Supporting Schools Association. (e) Victoria 1201. Mr. J. B. Pennington, 3 Victoria St., S.W. 1. Hon. Organizing Secretary, Capt. J. W. Petavel, R.E. (retired.) The Maharajah of Cossimbazar's Polytechnic Institute, 1 Nandibar Bose Lane, Calcutta.
- Education Committees (England and Wales), Association of. 239. 1 to 5 guineas. (d) Administrator, Liverpool. (e) Central Liverpool, 1368. (f) June 14, 1919, London. Mr. Frank J. Leslie, 34 Castle St., Liverpool.
- Education Reform Council. (e) Museum 1950. 9 Brunswick Square, W.C. 1.
- Educational Handwork Association. 5,000. 2s. 6d. (e) *Educational Handwork*. (f) May. Mr. J. Spittle, 16 Cambridge Rd., Huddersfield. London Branch: Mr. R. Ff. Wootton, 9 Abbeville Rd., Crouch End, N. 8.
- Educational Institutions, The Union of. (d) Educate, Dorridge. (e) Knowle 60. (f) October 1919. Mr. W. J. Harris, F.C.I.S., Arden Rd., Dorridge, Birmingham.
- Educational Institute of Scotland. 20,000. £1. (e) *Scottish Educational Journal*. (d) Institute, 5160 Central. (f) Sept. 20, 1919. Mr. Hugh Cameron, M.A., F.E.I.S., 34 North Bridge, Edinburgh.
- Egyptian Educational Mission (Egyptian Ministry of Education). (d) Egyptedu, Vic, London. (e) Victoria 2437. Mr. A. E. Robinson, 28 Victoria St., London, S.W. 1.
- Engineering Training Organization, The. For improvement in, and better co-ordination of, engineering training. Hon. Organizers: A. E. Berriman, O.B.E., and A. P. M. Fleming, O.B.E., Temporary Office, Daimler Works, Coventry.
- Esperanto Association, British (Incorporated). 1,600. 5s. (e) *British Esperantist*. (d) Esperanto, Westcent, London. (e) Museum 617. (f) Whitsun Liverpool. Mr. Montagu C. Butler, L.R.A.M., 17 Hart St., London, W.C. 1.
- Ethological Society. For the study of character. £1. 1s. (e) *Ethological Journal*. (d) Psychiatrist, London. (e) Mayfair 2935. (f) June 1919, at Suffolk St. Galleries. Mr. F. E. Sargent, 57 Wimpole St., W. 1.
- Eugenics Education Society. Study of problems affecting racial progress and racial deterioration. £1. 1s. and 5s. (e) *Eugenics Review*. (e) Holborn 5797. (f) July 3, 1919. Grafton Galleries. Miss Constance Brown, 11 Lincoln's Inn Fields, W.C. 2.
- Federal Council of Secondary School Associations. Mr. H. Bendall, 37 Norfolk St., Strand, W.C. 2.
- Folk-Lore Society. 400. £1. 1s. (e) *Folk-Lore*. (e) Holborn 1811. (f) February. Mr. Frank A. Milne, 11 Old Sq., Lincoln's Inn, W.C. 2.
- Francis Holland (Church of England) Schools. Mrs. Marshall Smith, Clarence Gate, N.W. 1.
- Friends' First-day School Association, The. (Founded 1847.) (e) *Teachers and Taught*. (e) City 8631. Mr. Frederic Taylor, 15 Devonshire St., London, E.C. 2.
- Friends' Guild of Teachers. 290. 5s. (f) January 1920. A. Leonard Stapleton, Friends' School, Gt. Ayton, Yorks.
- Froebel Educational Institute, The Incorporated. Training College for Teachers, Kindergarten and School. (e) Hammersmith 1496. Mr. Arthur G. Symonds, M.A., Colet Gardens, Talgarth Road, West Kensington, W. 14.
- Froebel Society and Junior Schools Association. (Founded 1874.) 2,900. 5s. (e) *Child Life*. (e) Museum 615. Miss L. C. Courtenay, 4 Bloomsbury Sq., W.C. 1.
- Froebel Union, National. Examinations for Teachers of children under twelve. (e) Gerard 7878. Miss Maclean, Norwich House, Southampton St. Bloomsbury, W.C. 1.
- Future Career Association. 400. £1. 11s. 6d. (e) *Monthly Notifications*. (e) Victoria 4163. Mr. D. W. Hughes, 53 Victoria St., Westminster, S.W. 1.
- Geographical Association. 1,500. 5s. (e) *Geographical Teacher*. (f) Jan. 1920, London. Dr. H. J. Fleure, 1 Marine Terrace, Aberystwyth.
- Geographical Society, Royal. 4,900. £3, £5 entrance fee. (e) *Geographical Journal*. (e) Kensington 2648. (f) June 2, 1919. Mr. Arthur R. Hinks, F.R.S., Kensington Gore, S.W. 7.
- Gilchrist Educational Trust. (e) Central 5928. Dr. A. H. Fison, 1 Plowden Buildings, Temple, E.C. 4.
- Girl Guides (Incorporated). To train girls in good citizenship. 70,000. (e) *Own Gazette* (e) Victoria 7876. Miss M. Macdonald, 76 Victoria St., S.W. 1.
- Girls' Patriotic Union of Secondary Schools. Miss F. R. Gray, St. Paul's Girls' School, Brook Green, W. 6.

- Governesses' Benevolent Institution** (Incorporated by Royal Charter).
(e) Central 3121. (f) May 2, 1919, at Criterion Restaurant.
Mr. A. Wesley Dennis, 5 Arundel St., Strand, W.C. 2.
- Governesses' Benevolent Society of Scotland.**
Mr. C. E. W. Macpherson, C.A., 6 N. St. David St., Edin.
- Grammatical Reform, Standing Committee on.**
Miss Edith Hastings, 180 Elm Park Mansions, S.W. 10.
- Gymnastic Teachers' Institute, The Incorporated.**
An Examining Body of Teachers of Physical Training. Membership consists of Fellows, Members, and Associates, obtainable by examination only, in the British and Swedish systems of Gymnastics, and in Fencing. Examinations are also held for the Elementary School Teachers' Certificate for Physical Training. The examinations are held in Feb., May, Oct., and Dec.
Mr. T. Williams, 25 Chalcroft Road, Lee, S.E. 13.
- Head Masters' Conference.**
To discuss educational questions which affect schools in close connexion with Oxford and Cambridge Universities. 122. £2. 2s. (c) *Own Bulletin*. (d) 52 Temple. (e) Central 251. (f) December 1919. Mr. W. A. Bulkeley-Evans, 12 King's Bench Walk, Temple, E.C. 4.
- Head Masters, Incorporated Association of.**
640. £1. 1s. (c) *Own Review*. (e) City 8384. (f) January
Mr. H. Bendall, 37 Norfolk St., Strand, W.C. 2.
- Head Masters of the Endowed Schools in the Midland Counties, Association of the.**
90. 10s. on entrance. (f) March. Mr. Rupert Deakin, 34 Bunbury Road, King's Norton.
- Head Mistresses' Association (Incorporated 1896).**
£2. (e) *Victoria* 287. (f) June 13 and 14, Birmingham.
Miss R. Young, 92 Victoria St., Westminster, S.W. 1.
- Head Mistresses' Association, The Yorkshire.**
[Senior Mistresses of schools under a head master also eligible.]
54. 2s. Miss A. T. Scott, Girls' Grammar School, Bingley.
- Head Mistresses of Public Secondary Schools in the Administrative County of London, Conference of.**
2s. 6d. Miss R. E. Hewetson, M.A., Putney High School, S.W. 15.
- Head Teachers, National Association of.**
(c) *Head Teachers' Review*. (f) Whitsun, Birmingham. Mr. J. E. Dogherty, 25 Queen's Rd., Jesmond, Newcastle-on-Tyne.
- Health, Public, Royal Institute of.**
£1. 1s. (c) *The Journal of State Medicine*. (d) Toxicologist, London. (e) Museum 766. Prof. E. W. Hope, M.D. D.Sc., and T. N. Kelyack, M.D., 37 Russell Sq., W.C. 1.
- Historical Association, The.**
1,100. 5s. *History*. Miss Curran, 22 Russell Sq., W.C. 1.
- Historical Society, Royal.**
£2. 2s. (c) *Own Transactions*. Mr. H. E. Malden, M.A., 22 Russell Sq., W.C. 1.
- Holiday Fellowship, Ltd., The. The Healthy Enjoyment of Leisure.**
(c) *Comradeship*. (d) Fellowship, Conway. (e) Conway 65.
Mr. T. Arthur Leonard, Bryn Corach, Conway, N. Wales.
- Home and Colonial School Society.**
Rev. T. Wellard, B.A., B.D., Wood Green, N. 22.
- Home for French Governesses.**
(e) Paddington 7161. Mme H. Bertot, 18 Lancaster Gate, W. 2.
- Home Music-study Union.**
(c) *The Music Student*. (d) Byronic, Westcent. (e) Museum 2230. Mr. Percy A. Scholes, Mus.B., A.R.C.M., Montague House, Russell Sq., W.C. 1.
- Home-Reading Union, National.**
1s. 6d. upwards. (c) *Home-Reading Magazine*. (e) Regent 1598. Miss Jeanie I. Swanson, 12 York Bldgs., Adelphi, W.C. 2.
- Humanitarian League.**
2s. 6d. minimum. (c) *The Humanitarian*. Miss K. Whitaker, 53 Chancery Lane, W.C. 2.
- Hygiene, Institute of.**
£1 1s. (d) Saluminate, London. (e) Paddington 3707.
Mr. A. S. Harding, 33-34 Devonshire St., Harley St., W. 1.
- Inspectors, National Association of [in the course of formation].**
Mr. Marshall Jackman, 57 Cawley Road, E. 9.
- Intermediate Education Board for Ireland.**
(d) Intermediate, Dublin. (e) Dublin 1533. Assistant Commissioners of Intermediate Education, 1 Hume St., Dublin.
- International Guild.**
6 rue de la Sorbonne, Paris.
- Irish Schoolmistresses, Central Association of.**
70. 5s. (f) January 1920. Miss L. O. Rowlette, B.A., 14 Cherryfield Avenue, Sandford Road, Dublin.
- Irish National Teachers' Organization.**
11,000. 16s. (c) *Irish School Weekly*. (d) "Teachers, Dublin." (f) April 21-25, Dublin. Mr. T. J. O'Connell, 9 Gardiner's Place, Dublin. "The promotion of education in Ireland, the social and intellectual elevation of the teachers, and the cultivation of a fraternal spirit and professional intercourse with kindred organizations in this and other countries."
- Irish Technical Instruction Association.**
69 Committees. £2. (f) May, Dublin. Mr. P. J. O'Neill, Courthouse, Maryborough.
- Joint Agency for Women Teachers.**
(d) Docentia ('phone) London. (e) Museum 729. Registrar, Miss Alice M. Fountain, Oakley House, Bloomsbury St., W.C. 1.
- Joint Scholastic Agency, Ltd.**
(d) Educatorio, Grenville, London. (e) Museum 3217. Mr. E. A. Virgo, 9 Brunswick Sq., W.C. 1.
- King Alfred School Society, The.**
£1. 1s. (c) *Own Magazine*. Mrs. N. Spiller, 24 Ellerdale Rd., Hampstead, N.W. 3.
- La Gauloise. Société littéraire Anglo-Française. Affiliée à l'Alliance Française. Président, Monsieur Ch. Ader, Officier de l'Instruction Publique, 39 Bessborough Gardens, S.W. 1.**
- League of the Empire.**
Furtherance of Imperial education. 5s. and £1. 1s. (c) *Federal Magazine*. (d) Empirlea, Sowest London. (e) *Victoria* 3094. (f) July 1919. Mrs. Ord Marshall, C.B.E., 48 Catherine St., Buckingham Gate, S.W. 1.
- Legal Aid Fund of the National Federation of Women Teachers.**
Open to Women Certificated Teachers only. 5s. (e) Central 725. Miss L. Cutten, L.L.A., N.F.W.T. Offices, Rooms 45-47 Memorial Hall, E.C. 4.
- Life-Saving Society, The Royal.**
4,651. 2s. 6d. to £10 10s. Natatorium, Westcent, London. (c) Museum 1432. Mr. William Henry, 8 Bayley St., W.C. 1.
- Ling Association of Trained Teachers of Swedish Gymnastics.**
500. 10s. (c) *Own Leaflet*. Miss Hankinson, 67 Shaftesbury Rd., Crouch Hill, N. 19.
- Liverpool Council of Education.**
Founded 1874. 130. £1. 1s. (c) Annual Report. (e) Central 6416. (f) March, Liverpool. Rev. Canon H. Gibson Smith, 14 Sir Thomas St., Liverpool.
- Loan Funds.—The Pfeiffer Student Fund, the Caroline Ashurst Biggs Memorial Loan Fund, the Helen Blackburn Memorial Loan Fund, the Mrs. Haweis Memorial Loan Fund, the Louisa Lady Goldsmid Loan Fund, the Educated Women Workers' and Harker-Smith Loan Training Fund, and the Clara Evelyn Mordan Memorial Loan Fund. All these funds are to help students in paying fees for professional or technical training.**
- L.C.C. Women Teachers' Union.**
Equal pay for men and women teachers of the same professional status. Earlier optional retirement, with adequate pensions. Security of tenure for married mistresses so long as efficient service is rendered. 1s. (c) *The Schoolmistress*. March 22, Essex Hall. Miss Elsa Myers, L.L.A., Buxton Street L.C.C. School, Whitechapel, E. 1.
- London Head Teachers' Association.**
1490. £1. 1s. (c) *Head Teachers' Review*. (f) November 20, St. Bride Institute, E.C. 4. Mr. D. H. Cassels, 38 Park View Crescent, New Southgate, N. 11.
- London Teachers' Association.**
20,500. 5s. (c) *London Teacher*. (e) Central 897 and City 5884. (f) October. Mr. W. J. Pincomb, 9 Fleet St., E.C. 4.
- Manual Training Teachers, National Association of.**
To promote educational handwork and the professional interests of its members. 1,000. 4s. 6d. (c) *Manual Training*. Mr. E. Lineham, 258 Laburnum Grove, North End, Portsmouth.
- Mathematical Association.**
Members and Associates, 800. 10s. (Life subscription, 7 gns.) (c) *Mathematical Gazette*. (e) 361 Chiswick. (f) January 1920. Mr. C. Pendlebury, 39 Burlington Rd., Chiswick, W. 4; and Miss M. Punnett, London Day Training College, W.C. 1.
- Mathematical Society, London.**
311; limit 350. £1. 1s., entrance £1. 1s. (c) *Own Proceedings*. (f) November, 1919. (g) Dr. T. J. I'A. Bromwich, 1 Selwyn Gardens, Cambridge; Mr. G. H. Hardy, Trinity College, Cambridge. (h) Burlington House, Piccadilly, W. 1.
- Medical Education and Registration, General Council of.**
(c) Medical and Dental Students' Registration regulations. (d) Genmedicum Eusroad, London. (e) Mayfair 645. (f) May 27, at office. Mr. Norman C. King, 44 Hallam St., W. 1.
- Ministering Children's League.**
40,000. Miss Wykeham-Marlth, 83 Lancaster Gate, W. 2.
- Modern Languages Association, Scottish.**
175. 3s. 6d.; ladies, 2s. 6d. Mr. C. D. Campbell, F.R.S.E., 109 Princes St., Edinburgh.
- Modern Language Research Association.**
250. 5s. (c) *Own Bulletin*. (f) October, 1919, London. Mr. E. Allison Peers, M.A., The Old School House, Felsted, Essex.

- Montessori Society, London.
800. 2s. 6d. (f) January. Dr. Jessie White, 11 Tavistock Square, W.C. 1.
- Music, Directors of, in Secondary Schools, Union of.
100. 3s. 6d. (f) January. Rev. Dr. Rowton, Fulleby Rectory, Horncastle, Lincolnshire.
- Music. Girls' School Music Union.
400. 3s. 6d. Miss Home, Kensington High School, St. Alban's Rd., Kensington.
- Music Teachers' Association.
900. 6s. (c) *Music Student*. (e) Lee Green 531. Mr. Arthur J. Hadrill, 24 Westmount Rd., Eltham, S.E. 9.
- National Education Association.
To promote and defend the principles of national education—efficient, progressive, free, unsectarian, and under popular control. 5s. (d) Anew, Vic, London. Mr. A. J. Mundella, Caxton House, Westminster, S.W. 1.
- National School Teachers' Superannuation Office [Ireland].
Superintendent, Mr. M. F. Headlam, Dublin Castle.
- National Society, The.
For Promoting the Education of the Poor in the Principles of the Church of England. 3,500. From £1. 1s. (c) *School Guardian*. (d) National Society, Wesdo, London. (e) Mayfair 7038. (f) June 14. Mr. R. Holland, 12 Princes St., Hanover Square, W. 1.
- National Union of Teachers.
100,000. 21s., plus local subscription. (c) *Schoolmaster*. (d) Curriculum, Eusquare, London. (e) Museum 1570 and 1571. (f) Cheltenham, Easter, 1919. Sir James Yoxall, M.A. Hamilton House, Mabledon Place, W.C. 1.
- Needlework, London Institute for the Advancement of Plain.
(e) Victoria 373. Miss Cutler, 92 Victoria St., S.W. 1.
- New Ideals in Education, Conference on.
(e) Kens. 5741. (f) July 25–Aug. 1, 1919. Miss M. B. Syngé, 24 Royal Avenue, Chelsea, S.W. 3.
- North of England Education Conference.
A. E. Ikin, LL.D., B.Sc., Director of Education, Blackpool.
- Open Air Educational Trust.
160. August, 1919. Mr. Wm. Elliott, 33 Oak Road, Crumpsall, Manchester.
- Orthopsychics, Society for the Study of.
10s. 6d. (d) Museum 2309. (e) Museum 2309. Miss J. Wiltshire, 30 Brunswick Square, W.C. 1.
- Oxford, Association for Promoting the Education of Women in.
Miss Rogers, Clarendon Building, Broad St., Oxford.
- Oxford and Cambridge Schools Examination Board.
Mr. T. G. Bedford, 61A St. Andrews Street, Cambridge.
Mr. P. E. Matheson and Mr. A. W. Pickard-Cambridge, Balliol College, Oxford.
- Oxford Home-Students, The Society of.
£1. 10s. Mrs. Johnson, 5 S. Parks Road, Oxford.
- Parents' National Educational Union.
1rs. 6d. (c) *Parents' Review*. (e) Victoria 479. Miss E. A. Parish, 26 Victoria St., S.W. 1.
- Phonétique Internationale, Association.
To promote the study of Phonetics. 1,500. Membre adhérent 3 fr. 50, membre actif 6 fr. (c) *Le Maître Phonétique*. Mr. Daniel Jones, University College, London, W.C. 1.
- Photographic Society of Great Britain, Royal.
1,000. £1. 1s. (c) *Photographic Journal*. (e) Museum 411. (f) Second Tuesday in Feb. Mr. J. McIntosh, 35 Russell Sq., W.C. 1.
- Physical Education, The Incorporated British College of. Founded 1891.
300. 10s. 6d. (f) July 1919. Mr. Frank H. Gelling, 41A Lyric Road, Barnes, S. W. 13.
- Preparatory Schools, Association of.
500. £1. 5s. (c) *Preparatory Schools Review*. (f) December 1919. Mr. H. C. King, 8 Upper Belgrave Road, Clifton, Bristol.
- Private Schools Association, Incorporated.
To protect the interests of efficient schools under private management. £1. 1s. (c) *Secondary Education*. (f) January 1920. Rev. C. Whittfield, M.A., St. Hilda's, Moseley, Birmingham.
- Professeurs de Français en Angleterre, Société Nationale des.
350. 10s. 6d. (c) *Le Français*. Monsieur S. Barlet, 7 Red Lion Sq., W.C. 1.
- Professional Classes War Relief Council, Incorporated.
(e) 6394–5 Kensington. Miss Percy Taylor, 13–14 Princes Gate, London, S.W. 7.
- Protestant National Teachers' Union, Irish.
To obtain security of tenure for Protestant teachers. 1s. (c) *The Irish Protestant National Teachers' Annual*. (d) M'Loughlin, Clandeboyne. (f) Third Saturday in June, Belfast. Mr. I. M'Loughlin, B.A., Clandeboyne, Belfast.
- Protestant Schools in Ireland, The Incorporated Society for Promoting.
(c) Dublin 2530. (f) May 12, Dublin. Rev. W. J. Mayne, M.A., 48 Kildare St., Dublin.
- Pupil-Teachers' University Scholarship Committee, Drapers' Hall, E.C. 2.
Makes grants from funds provided by the Drapers' Company. Mr. A. E. Dice, M.A., 23 West Hill, Sydenham, S.E. 26.
- Regional Association.
To promote the Study of Regions and their Communities through Surveys of place, work, and folk. 150. 5s. (f) January 1920. Mr. George Morris, 7 West Rd., Saffron Walden.
- Representative Managers, The, of L.C.C. Elementary Schools.
245. 3s. (c) *School Child*. (e) Loughton 72. (f) Fourth Monday in Feb. Mr. H. W. Pyddoke, Oxhill, Loughton.
- Roman Studies, Society for the Promotion of.
800. £1. 1s. (c) *The Journal of Roman Studies*. Mr. G. D. Hardinge-Tyler, M.A., F.S.A., 19 Bloomsbury Sq., W.C. 1.
- Royal Institution of Great Britain.
(c) Own *Proceedings*. (e) Regent 669. Brig.-General Edmond H. Hills, C.M.G., R.E., D.Sc., F.R.S., 21 Albemarle St., W. 1.
- Rural Schools, Association for Securing Higher Instruction in.
300. 2s. 6d. Prof. J. Harrower, LL.D., 50 College Bounds, Old Aberdeen.
- Sanitary Institute, Royal.
4,500. Members, £2. 2s.; Associates, £1. 1s. (c) Own *Journal*. (d) Sanitate, Churton, London. (e) Victoria 3739. Mr. E. White Wallis, 90 Buckingham Palace Rd., London, S.W. 1.
- Scholars' International Correspondence. In connexion with Modern Language Association (France only).
Miss Titterton, Municipal Secondary School for Girls, York.
- School Attendance Officers' National Association.
870. 3s. Mr. J. Noble, Locksley, Beverley Rd., Monkseaton.
- School Boards Association, Scottish.
260. 12s. 6d. to £3. 3s. (d) Cuthbert, Solicitor, Alloa. (e) Alloa 38. (f) June 1919. Mr. James Cuthbert, Mar St., Alloa, N.B.
- School Board Clerks and Treasurers, Scotland, Association of.
5s. (e) Central 1768. Mr. W. Higgins, Writer, 21 West Nile St., Glasgow.
- School Dentists' Society, The.
150. 5s. (c) *Brit. J. of Dental Science*. (e) Watford 27. Mr. William Fisk, L.D.S. Edin., Street Lodge, Essex Rd., Watford.
- Schoolmasters' Association (Ireland).
115. 10s. (e) Dublin 4842. (f) October 1919. Mr. J. Thompson, M.A., The High School, Dublin.
- Schoolmasters, Society of.
For relief of necessitous secondary teachers. 400. 10s. 6d., or £5. 5s. in one sum. Mr. A. Llewelyn Roberts, B.A. Oxon., Royal Literary Fund Chambers, 40 Denison House, 296 Vauxhall Bridge Rd., S.W. 1.
- Schoolmasters' Widows' Fund.
(d) St. Bathans, Edinburgh. (e) 3411. (f) September 19, 1919. Mr. John Ewart, W.S., 58 Frederick St., Edinburgh.
- School Nature Study Union.
1,240 (excluding those enlisted). 2s. 6d. (c) *School Nature Study*. (f) February, University College. Mr. H. E. Turner, 1 Grosvenor Park, Camberwell, S.E. 5.
- Science Masters' Association.
340. 10s. (c) *The School Science Review*. (f) January 6, 1920. London. Mr. W. D. Eggar, Eton College, Windsor.
- Science Teachers, Association of.
250. 5s. (f) June or July 1919. Miss F. Storr, 12 Angell Park Gardens, Brixton, S.W. 9.
- Science in Education, League for the Promotion of.
The promotion of increased attention to Science in the Universities of Oxford and Cambridge, the Public Schools, and the Public Services. 200. 10s. 6d. (f) April or May. Major I. Seymour Bryant, Wellington College, Berks.
- Scripture Teaching in Secondary Schools, Conference on.
1s. 6d. Mr. H. Cradock-Watson, Merchant Taylors' School, Crosby, Liverpool.
- Scottish Education Department, Dover House, Whitehall, London, S.W. 1; and 14 Queen Street, Edinburgh.
(e) London Office: Victoria 3771; Edinburgh, Central 3706. Secretary, Sir John Struthers, K.C.B., LL.D.; Assistant Secretaries: Mr. G. Macdonald, C.B., F.B.A., LL.D. (in Edinburgh), and Mr. G. W. Alexander.
- Scottish Education Reform Committee. (Educational Institute of Scotland, Secondary Education Association of Scotland, Scottish Class Teachers' Federation.)
(d) Institute, Edinburgh. (e) Central 5160. Mr. Hugh Cameron, 34 North Bridge, Edinburgh.
- Secondary Education Association, The, of Scotland [now amalgamated with The Educational Institute of Scotland].
- Secondary School Associations, The Federal Council of.
(e) City 8384. Mr. H. Bendall, 37 Norfolk St., Strand, W.C. 2.
- Secondary School Teachers' War Relief Fund.
(Registered under the War Charities Act 1916.) Supplementing

(Continued on page 192.)

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of
Uniforms, Head-dresses, Accoutrements, Laces, and Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armilustro Tooley, London."

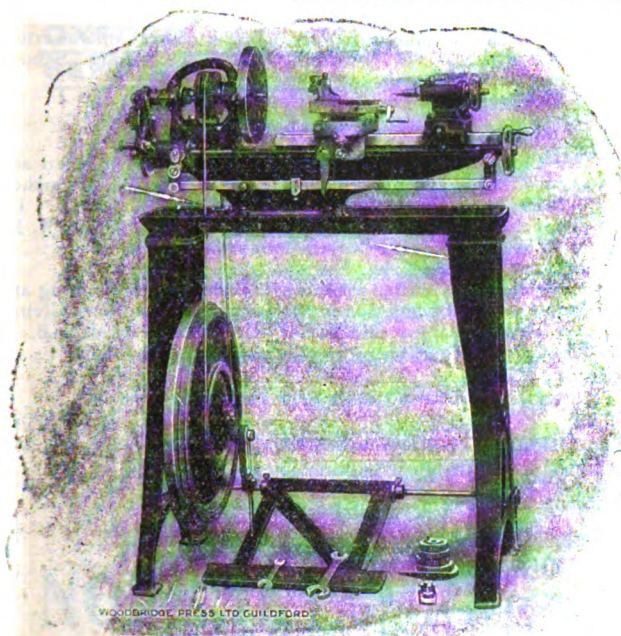
TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable. DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable. The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work



WOODBRIDGE PRESS LTD GUILDFORD

As supplied by the British Admiralty.

Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD.

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY

All University Graduates with highest honours selected primarily for their **TEACHING ABILITIES**

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 65 South Molton Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

- pensions of dependents of disabled and killed secondary school teachers. Managed by a committee representative of almost all Secondary School Associations. (c) *The A.M.A.* (d) Inco-ranama Holb. London. (e) City 608. Mr. G. D. Dunkerley, 35 John St., Bedford Row, W.C. 1. (or 124 Mildred Avenue, Watford).
- Secondary Schools Association.**
126. £1 and 10s. (e) Victoria 981. (f) July, Caxton Hall. Mr. Ralph S. Hyams, 25 Victoria St., Westminster, S.W. 1.
- Secondary Teachers, Association of, Ireland.**
700. 10s. (c) *Irish Journal of Education*. (f) July 1919, Royal Coll. of Science, Ireland. Miss A. McHugh, 70 Stephens Green, Dublin.
- Simplified Spelling Society.**
2,600. 1s. and 5s.; Life membership, 12s. and £3. 3s. (c) *Pioneer*. (e) Museum 1351. (f) January, London. Mr. William Archer, M.A., 44 Great Russell St., W.C. 1.
- Soc été pour la Propagation des Langues Étrangères en France.**
Encourager l'étude par les Français des principales langues européennes et exotiques. 3,000. 10 francs. (c) *Bulletin de la Société*. (e) Gobelins, 25-18. M. Lemaire, 28 rue Serpente (Hôtel des Sociétés Savantes).
- Society for Promoting the Employment of Women.**
10s. (Life £5). (e) Museum 1659. Miss Edith Hare, 23 Berners St., Oxford St., W. 1.
- Speech Training, Association of Teachers of.**
40. 10s. (c) *Viva Voce*. (e) Kensington 4369. (f) July, Stratford-on-Avon. Miss Wellesley-Reade, 44 Fairholme Rd., West Kensington, W. 14.
- Students' Careers Association.**
(c) *Women's Employment*. (d) Centemur, Wesdo, London. (e) Mayfair 5060. Miss M. G. Spencer, 5 Prince's St., Cavendish Square, W. 1.
- Sunday School Association.**
(c) *Sunday School Monthly*. (d) Unitassoce, London. (e) Gerard 2765. (f) June 10, 1919, Essex Hall, W.C. 2. Mr. T. M. Chalmers, M.A.; Rev. Bertram Lister, M.A., Essex St., Strand, W.C. 2.
- Sunday School Union, The.**
(c) *Sunday School Chronicle*. (d) Worshipper, Cent, London. (e) Central 13874. (f) May. Rev. Carey Bonner, 56 Old Bailey, London, E.C. 4.
- Swedish Gymnastics, Scottish League of Organizers and Teachers of.**
129. 7s. 6d. (c) *Journal of Scientific Physical Training*. (d) Train, Southend Argyll. (f) Spring, 1919. Miss Sheila L. Train, Southend, Campbeltown, Argyll.
- Teachers' Christian Union (associated with the Y.M.C.A. and Y.W.C.A.)**
1s. (d) Techristu, Westcent, London. (e) Central 234. (f) June, Morley Hall, 26 George Street, Hanover Sq., W. 1. Miss F. Street, M.A., 16 Russell Sq., W.C. 1.
- Teachers' Guild, The, and Club.**
To combine teachers of every grade as members of one learned profession. Minimum, 7s. 6d. (e) Museum 1950. (f) First week January. 9 Brunswick Sq., W.C. 1.
- Technical Institutions, Association of Teachers in.**
1,000. 7s. 6d. (c) *The Technical Journal*. Mr. P. Abbott, B.A., 5 West View, Highbury Hill, N. 19.
- Technical Institutions in Ireland, Association of Principals of.**
46. 10s. (c) *Agricultural and Technical Education*. (e) Waterford 141. (f) June 1919. Mr. B. O'Shaughnessy, A.R.C.Sc. (Lond.), F.I.C., Central Technical Institute, Waterford.
- Theosophical Fraternity in Education.**
An international fellowship of teachers interested in the new ideals of education neces-ary for the new age. 500. 2s. (f) Whitsuntide. Mrs. Ransom, 11 Tavistock Sq., W.C. 1.
- Tonic Sol-fa College (Incorporated 1875).**
Holds Examinations and trains Teachers. 3,800. Mr. Walter Harrison, M.A., Mus. Bac. (Oxon.), 26 Bloomsbury Sq., W.C. 1.
- Training College Association (with which is amalgamated the Teachers' Training Association.**
450. 7s. 6d. (c) *Journal of Experimental Pedagogy and Training College Record*. (f) January, 1920. Miss M. B. Synge, 24 Royal Avenue, Chelsea, S.W. 3.
- Trinity College of Music, London.**
Also holds Examinations in Music for Teachers' and Local Certificates. (d) Musicatus, Wesdo, London. (e) Mayfair 627. Mr. C. N. H. Rodwell, 13 Mandeville Place, London, W. 1.
- Union of Jewish Women.**
To assist educated Jewesses, and to help them to train, to place them, &c. 1,300 5s. (minimum.) (e) Pad. 352. Miss Kate Halford, 4 Upper Gloucester Place, N.W. 1.
- United Russia Societies Association.**
To promote and maintain a thorough, permanent, and sympathetic understanding between the peoples of the British Empire and Russia. 800. 10s. (e) Victoria 4040. (f) March 22. Speaker's House, Westminster. Miss M. H. FitzGerald, Queen Anne's Chambers, Tothill St., S.W. 1.
- University Extension.**
Cambridge Syndicate. (c) *University Extension Bulletin*. (d) Syndicate, Cambridge. (e) 579. Rev. Dr. Cranage, Syndicate Buildings, Cambridge.
- Leeds University Extension and Tutorial Classes Committee.**
The University, Leeds. (d) University, Leeds. (e) Central 2516, Leeds.
- University Extension Board, University of Liverpool.** (e) Royal 4573. Dr. G. W. Coopland, M.A., B.Sc., The University, Liverpool.
- University Extension Board of the University of London.** (c) *University Extension Bulletin*. (d) University, Southkens, London. (e) Kensington 7000. Mr. John Lea, M.A., University of London, South Kensington, S.W. 7.
- Manchester Committee.** (e) City 4682. Mr. H. P. Turner, M.A., L.L.B., Victoria University of Manchester.
- Oxford Delegacy.** (c) *University Extension Bulletin*. (d) Extension Delegacy, Oxford. (f) August 1919, Oxford. Mr. J. A. R. Marriott, M.P., University Extension Delegacy, Oxford.
- University of London Graduates Association. (Founded 1899.)**
To assist graduates to exercise their influence on the work of the University, and to keep the degrees open to all comers on terms of equality and impartiality. 2,000. 1s. or more. (d) Windolite, Vic, London. (e) Victoria 244. (f) March. Mr. Alfred S. E. Ackermann, B.Sc. (Engineering), 25 Victoria St., Westminster, S.W. 1.
- University Women, Federation of.**
To facilitate intercommunication and co-operation between the women of different Universities. 1043. 2s. Miss M. Long, 11 Tavistock Sq., W.C. 1.
- University Women Teachers (Incorporated), Association of.**
To improve the status of University women teachers. 2,861. 5s. (d) Communitas, Sowest, London. (e) Victoria 2483. (f) January 1920. Mrs. B. Brough, 108 Victoria St. (1st floor), S.W. 1.
- Uplands Association, The.**
Reform of School Life and Practice. 185. 5s. (c) The Uplands Circular. (f) The Country House, Werneth Low, Cheshire, July 30-August 16. T. M. Pugh, 21 Broadlands Road, Highgate, London, N. 6.
- Vacation Conference on Musical Education.** (e) Lee Green 531. (f) Conference, 1920, London, and alternate years. Mr. Arthur J. Hadrill, 24 Westmount Rd., Eltham, S.E. 9.
- Victoria League, The.**
To promote a close understanding between the different parts of the British Empire. 14,186. 1s. 6d. (c) *Monthly Notes*. (d) Victrix Vic, London. (e) Victoria 1541. (f) June, 1918, London. Miss Drayton, 48 The Broadway, Westminster, S.W. 1.
- Welsh County Schools Association, The.**
110. 12s. 6d. (c) *The County Schools Review*. (e) Gowerton, Glam. Mr. D. E. Williams, M.A., The County School, Gowerton, Glamorgan.
- Women, Employment of, Society for Promoting the.**
[See entry under Loan Funds.]
- Workers' Educational Association.**
The Promotion of the Higher Education of Working men and women. 2,709 affiliated societies, 14,697 members, 209 branches. District Societies, £1. 1s. National Societies, £2. 2s. Individuals, 4s. (c) *The Highway*. (e) Holborn 3033. Mr. J. M. MacTavish, 16, Harpur Street, Theobalds Road, W.C. 1.
- Yorkshire Loan Training Fund.**
Raised in 1901 for the purpose of lending fees for training and maintenance to gentlewomen who must earn their own living. No interest charged. No money lent as capital. Mrs. B. P. Scattergood, The Grange Farm, Far Headingley, Leeds.
- Professional Societies, membership of which implies the passing of an Entrance Examination:—**
- Accountants and Auditors, Society of Incorporated.**
Fellow, F.S.A.A. Associate, A.S.A.A.
50 Gresham St., Bank, E.C. 2.
- Accountants, Chartered, Institute of.**
Fellow, F.C.A. Associate, A.C.A.
Moorgate Place, E.C. 2.
- Actuaries, Institute of.**
Fellow, F.I.A.
Staple Inn Hall, W.C. 1.

(Continued on page 194)



NORMAL

Correspondence College.



AS USUAL, PUPILS OF THE NORMAL CORRESPONDENCE COLLEGE PASS WITH

1st CLASS HONOURS.

2nd CLASS HONOURS.

3rd CLASS HONOURS.

THE ONLY CLASS, COLLEGE OR INSTITUTION that has obtained FIRST, SECOND and THIRD class HONOURS at the last FIVE OXFORD and CAMBRIDGE LOCALS, and the HIGHEST DISTINCTIONS at the College of Preceptors' Examinations, is the NORMAL CORRESPONDENCE COLLEGE.

FOR THE ONE FEE WE GUARANTEE TO GIVE TUITION UNTIL YOU PASS THE EXAMINATION

HIGHER FROEBEL.

Our pupils again have great cause for congratulation on their examination results, for over 90 per cent. have been successful. Send for Free Guide of 72 pages. (*Ask for the Froebel Guide.*)

LL.A.

A high percentage of Passes has been secured by the "Normal." Free Guide of 96 pages sent on application.

OXFORD AND CAMBRIDGE SENIOR LOCALS.

Pupils of the "Normal" pass with First, Second, and Third Class Honours, together with High Distinctions at each examination. For many years our pupils have gained Top places on the list, including 1st, 2nd, 5th, 6th, &c.

COLLEGE OF PRECEPTORS.

A pupil of the "Normal" HEADED THE LIST, together with SEVEN DISTINCTIONS. The "Normal" Money Prize of £50 and Silver Medal have been won by D. McKie.

On a previous occasion Top Place and Seven Distinctions were obtained by C. L. McKenzie, and Seven Distinctions by C. M. Cadman, both pupils of the "Normal."

A.C.P. and L.C.P.

Passes with Honours again obtained. The College of Preceptors' *First Prize*—the £10 prize for Education—has twice been won by a pupil of the "Normal," and at a recent examination the two most successful candidates were *both* pupils of the Normal Correspondence College.

MATRICULATION.

At each Matriculation examination, pupils of the "Normal" are most successful. First Class and other Passes were obtained at the last examination.

CERTIFICATE.

(Board of Education.)

Most remarkable successes obtained. "Normal" Money Prizes and Medals are won as usual.

PRELIMINARY CERTIFICATE.

(Board of Education.)

In all parts of the Kingdom pupils have passed. Pupils of the "Normal" have gained Seven Distinctions at both Preliminary Certificate and the College of Preceptors.

FREE. THE NORMAL GUIDE.

Crown 8vo. Price 6d. net.
Free to readers of this paper.

NORMAL CORRESPONDENCE COLLEGE.

47 Melford Road, East Dulwich, London, S.E. 22; and 110 Avondale Square, London, S.E. 1.

Apothecaries, Society of.
Licentiate, L.M.M.S.A.
Water Lane, Blackfriars, E.C. 4.
British Architects, Royal Institute of.
Fellow, F.R.I.B.A. Associate, A.R.I.B.A.
9 Conduit Street, W. 1.
Chemistry, Institute of.
Fellow, F.I.C. Associate, A.I.C.
30 Russell Square, W.C. 1.
College of Preceptors.
Fellow, F.C.P. Licentiate, L.C.P.
Associate, A.C.P.
Bloomsbury Square, W.C. 1.
Educational Institute of Scotland.
Fellow, F.E.I.S.
34 North Bridge, Edinburgh.
Electrical Engineers, Institution of.
Associate Member, M.I.C.E.
[Examination temporarily suspended.]
1 Albemarle Street, W. 1.
Gymnastic Teachers' Institute.
25 Chalcroft Road, Lee, S.E. 13.
Mechanical Engineers, Institution of.
Associate, A.I.Mech.E. Member, M.I.Mech.E.
Storey's Gate, S.W. 1.
Mining Engineers, Institution of.
Member, M.I.Min.E. Associate Member, Assoc.M.I.Min.E.
Hon. Member, Hon.M.I.Min.E. Associate, A.I.Min.E.
Student, Stud.M.I.Min.E.
39 Victoria Street, S.W. 1.
Music, Royal College of.
Associate, A.R.C.M.
Prince Consort Road, S.W. 7.
Organists, Royal College of.
Fellow, F.R.C.O.
Kensington Gore, S.W. 7.
Pharmaceutical Society.
Member, M.P.S.
17 Bloomsbury Square, W.C. 1.
Physical Education, The Incorporated British College of.
41A Lyric Road, Barnes, S.W. 13.
Surveyors' Institution.
Fellow, F.S.I. Professional Associate, P.A.S.I.
12 Great George Street, S.W. 1.

THE BUILDINGS REQUIRED FOR COMPULSORY CONTINUATION SCHOOLS.

THE Continuation School Buildings Report* is practical to a fault. So many large questions fall to be settled "ere mortar dab brick"—of curriculum, of numbers and staffing, and of organization, upon which in the case before us even expert opinion is still in solution. On all of them the Committee have had to make up their mind; but of that interesting process they permit us hardly a glimpse. Like the old lady in the story, they don't argue, they just tell us. For the initiate their report teems with debatable conclusions. The wayfaring man, if any such read it, will probably think that it has been written round a set of building by-laws, as some books are written round pictures.

The continuation school is envisaged as a separate institution, self-contained save for the assistance which the local technical school will give to the vocational work of the senior students. The proposal to break the educational period at twelve instead of fourteen is rejected, and for once a reason is given: "When a boy leaves the elementary school he turns a sharp corner in life, and his whole outlook widens and changes . . . From a schoolboy under the influence of his mother, he becomes a workman under the control of his employer . . . he will need an entirely different school environment—different buildings, a different curriculum, different teachers." Perhaps so, in the large towns, but in the small industrial centres, where everybody knows everybody else, the turning is not so sharp. Certainly, in a few such areas,

with (say) 5,000 inhabitants and about 800 children of school age and 120 continuation school students more or less, the plan of junior school to the age of twelve and senior school from twelve to eighteen, should be tried.

The Committee presumably are of Mr. Spurley Hey's opinion that the secondary school will have no dealings with the continuation school—at least, they suggest none. But, given a small secondary school with an agricultural bias in a purely agricultural district, the continuation-school student will surely be better taught if he be linked on to that school than if he be dealt with separately. The pupil teacher or student teacher is already there and his presence will diminish the disciplinary difficulties of the plan.

Not that the Committee are opposed to experiments. On the contrary, they emphasize the need for them and indeed welcome the opportunity which will be forced on the Local Authorities by the prevailing economic conditions of solving many of their problems in temporary buildings, because they will not for years be able to provide the new schools with permanent homes. The extent of the possible temporary accommodation has evidently been carefully studied. The rate-payer, and the Buildings Priority Department when it is set up, will both be relieved to learn that something like half the necessary school places can for the time be provided in technical schools and elementary schools occupied and disused, a proportion which can be raised to nearly three-quarters if business premises, large unoccupied houses, temporary army buildings, Y.M.C.A. huts, and the like are brought into service. In this connexion it is worth recalling that, shortly before the War, permanent provision had still to be made in Germany for more than 90 per cent. of her continuation school students.

The Committee's views on the four kinds of schools which will be required (each kind illustrated by a diagram); on the four types of curriculum (general, commercial, industrial, and domestic) and the proportion of students who will follow each; on the size of the classes, on the method of attendance, are all provocative of discussion.

The very definite conclusions to which they have come and the curly compelling way in which these are stated will help administrators and teachers to clear their minds and to concentrate on what is practicable. It is a needed service and a fruitful, though perhaps not the service they set out to render. Educational discussions are never-ending, they ought not to end, but from time to time they must crystallize in action. For the continuation school the time has arrived, and the Committee's report will help to precipitate the solution.

Conclusion and Summary.

Although in this Report we have made definite recommendations with regard to the character of continuation-school buildings, we are greatly impressed with the need for experiment and trial. We hope that Local Education Authorities will work out plans for themselves, and adapt them to meet the exact requirements of their own localities. We should expect these requirements to vary a good deal from area to area, and we trust that the variations will result in the erection of buildings of many different kinds. Freedom and initiative are necessary if the most suitable types of buildings are to be evolved in the future.

Our principal conclusions may be summarized as follows. We think that—

(a) Continuation-school buildings should contain suitable provision for social and recreative work as well as formal instruction.

(b) Abnormally large schools with accommodation for more than 2,000 students (400 at one time) should not be provided.

(c) Existing technical schools and schools of art should be relied upon for most of the accommodation required for technical instruction, though in the larger towns continuation-school buildings will often have to contain provision for giving instruction related to those industries, such as Engineering and Building, in which large numbers of students are employed.

(d) The immediate erection of very large numbers of new buildings is not desirable.

(e) The cost of new buildings at pre-war prices will be about £30 per school place, or £6 per scholar in attendance; and the

(Continued on page 196.)

* Circular 1086. H.M. Stationery Office, 3d. net.

TEACHERS REGISTRATION COUNCIL.

REPRESENTATIVE OF THE TEACHING PROFESSION.

(Constituted by Order in Council of 29th February, 1912.)

THE

OFFICIAL LIST

OF

REGISTERED TEACHERS

IS MAINTAINED BY THE COUNCIL.

The Official List contains the names of all qualified teachers who have applied to become Registered, and have been accepted by the Council.

Unregistered Teachers should apply at once to

THE SECRETARY,
Teachers Registration Council, 47 Bedford Square,
London, W.C.1.

cost of equipment will be about £6 per school place, or £1. 4s. per student in attendance.

(f) It will be possible to utilize a great many existing buildings of brick or stone, and particularly technical schools, disused elementary schools, and occupied elementary schools, for the purposes of continuation schools.

(g) Temporary buildings of wood and iron will be available in considerable numbers, and in some cases will be capable of suitable adaptation as schools.

(h) Under existing conditions the joint use of buildings by elementary- and continuation-school students will not be satisfactory.

BOOKS OF THE MONTH.

Classics.

Horace: Select Odes. Edited, with Introduction, Notes, and Vocabulary, by J. Jackson. Clarendon Press. Price 1s. 9d.

Education.

The Training of Youth. By T. W. Berry. Fisher Unwin. Price 7s. net.

Experimental Education. By Dr. R. R. Rusk. Longmans. Price 7s. 6d. net.

The School and the World. By V. Gollancz and D. Somervell. Chapman & Hall. Price 5s. net.

America at School and at Work. By Dr. H. B. Gray. Nisbet. Price 5s. net.

English.

Cambridge Readings in Literature: Book II. Edited by George Sampson. Cambridge University Press. In three styles. Price: 5s. net, 4s. 3d. net, 3s. 6d. net.

Geography.

The Kingsway Book of Geography Stories. By R. J. Finch. Evans.

W. & A. K. Johnston's Map of the Frontiers of Central Europe, Present and Future. Scale, 70 miles to 1 inch; size, 25 by 20 inches. Macmillan. Price 1s. 6d. net.

History.

Outlines of European History (New Edition). By Prof. A. J. Grant. Longmans. Price 5s. net.

Helps for Students of History. Edited by C. Johnson and Dr. J. P. Whitney. No. 6: The Logic of History. By C. G. Crump. S.P.C.K. Price 8d. net.

Cambridge Historical Series. Edited by Dr. G. W. Prothero.—Germany, 1815–1890. Vol. III: 1871–1890. By Sir A. W. Ward. With two Supplementary Chapters. Cambridge University Press. Price 12s. 6d. net.

Longmans' Historical Series for Schools.—Book III: An Advanced History of Great Britain from the Earliest Times to 1918. By Prof. T. F. Tout. New Edition, with 63 Maps and Plans. Longmans. Price 7s. 6d. net.

Progressive India: Being a Brief Record of Moral, Material, and Political Progress made by India under British Rule. By A. K. Ghose. Calcutta: S. C. Sanial & Co. Price 12s.

Mathematics.

Bell's Mathematical Series for Schools and Colleges. General Editor: Dr. W. P. Milne.—Dynamics: Part II. By R. C. Fawdry. Bell. Price 2s. 6d.

An Introduction to Statistical Methods: A Textbook for College Students. A Manual for Statisticians and Business Executives. By Prof. H. Secrist. Macmillan. Price 10s. 6d. net.

A First Course in the Calculus. Part I: "Powers of x ". By Dr. W. P. Milne and G. J. B. Westcott. Bell. Price 3s. 6d.

Tests of Progress: Arithmetic. Pupils' Edition and Teachers' Edition. Evans. Price 1s. net.

Miscellaneous.

The Education Act. By A. A. Thomas. King. Price 6s.

The Secret City: A Novel in Three Parts. By Hugh Walpole. Macmillan. Price 7s. 6d. net.

American and Briton. By A. C. McLaughlin. Dent. Price 4s. 6d. net.

The Kingsway Book of Famous Explorers. By R. J. Finch. Evans.

The Australian Army Medical Corps in Egypt. An Illustrated and Detailed Account of the Early Organization and Work

(Continued on page 198.)

From MR. HERBERT RUSSELL'S LIST.

Concurrent Practical and Theoretical Geometry.

By W. J. POTTER, M.A. (Cantab.), Second Master, Roan School for Boys, Greenwich. Published in Three Parts.

Part I. Lines, angles, parallels, triangles, parallelograms. Contains the substance of Euclid, Book I, 1–34, with additions on Symmetry, Loci, Division of a Line, and Scale Drawing. Crown 8vo, 188 pp. Price 2s. net.

Part II. Circles, Inscribed and Circumscribed Polygons, Areas. Contains the substance of Euclid, Books III, 1–34, IV, 1–9, 13–15, I, 35–48, II, 1–14, with additions. Crown 8vo, 249 pp. Price 2s. 6d. net.

Part III. Similar Figures. Contains the substance of Euclid, Books VI, III, 35–37, IV, 10–12 and 16, with additions including a course of Numerical Trigonometry. Crown 8vo, 266 pp. Price 3s. net.

Part IV (in preparation). The Geometry of Space.

Answers to the numerical and graphical examples in Parts I to III. Price 1s. net.

A Complete Arithmetic.

By M. EASTWOOD, B.Sc., University Extension Lecturer, and formerly Lecturer on Education at the University of Liverpool, and J. LIGHTFOOT, D.Sc., M.A., Author of "Elementary and Intermediate Algebra," &c. Crown 8vo, 588 pp. Cloth, 5s. 6d. net.

This book has been specially written for the use of students preparing for those examinations in which the Theory of Arithmetic and Higher Arithmetic generally are subjects. The whole of the matter usually included in elementary and advanced Arithmetic is thoroughly revised. Many improved methods of computation are given. Short methods for rapid work, approximations, and the applications of graphs are fully treated.

An Elementary & Intermediate Algebra.

By J. LIGHTFOOT, D.Sc., M.A. Crown 8vo, 472 pp. Cloth. 4th Edition. With Answers. 5s. 6d. net.

Covers all the Algebra required for the Preliminary and Intermediate Examinations at the Universities. Concrete Examples are introduced from the first, and the powerful Remainder Theorem is introduced early. A special feature is the very clear and interesting treatment of **Graphic Methods**.

The Shining East.

By EMILY M. BURKE, L.L.A., Hornsey County School. Crown 8vo, cloth, 167 pp. Fully illustrated with Photographs and Maps. Price 1s. 6d. net.

This is the first of a new series of Ancient History Readers, and tells in simple language the story of Ancient Egypt, Assyria, Media and Persia, Tyre and Sidon, in short, of all those ancient peoples first made known to us by our Bible reading.

English Composition. A Systematic Course for School Use.

By HARRY PINE, with an Introduction by F. H. HAYWARD, D.Litt., M.A., B.Sc.

Teacher's Edition. Crown 8vo, cloth. Price 2s. net.

Pupil's Edition. In Two Parts. Price 8d. net, each.

The work is intended for class use, and aims at the direct teaching of composition on a definite plan by means of a series of original and progressive exercises.

A Book of Northern Heroes.

By A. J. DICKS, B.A., B.Sc. Principal of Walthamstow County High School. Crown 8vo, 162 pp. Price 1s. 6d. net.

A Book of Southern Heroes.

By A. J. DICKS, B.A., B.Sc. Uniform with the above. Crown 8vo, 181 pp. Price 1s. 6d. net.

Inorganic Chemistry.

By S. W. BURNELL, LL.B., B.Sc., and A. J. DICKS, B.A., B.Sc. Crown 8vo, cloth, 379 pp. Price 4s. 6d. net.

Recent developments of the science are adequately treated, volumetric and gravimetric exercises are freely introduced, and many illustrative calculations are fully explained in the text. Questions and further exercises are appended to each chapter.

Plant Study in School, Field, and Garden.

A textbook on Rural Science and Gardening. By J. S. BRIDGES, B.Sc., F.C.S., and A. J. DICKS, B.A., B.Sc., F.L.S., Head Master of Walthamstow County Secondary School. Crown 8vo, cloth, 432 pp. Price 4s. 6d. net.

This textbook is of an experimental nature and free from difficult terms and Latinisms. Practical exercises and a summary appear at the end of each chapter. The book is profusely illustrated with over 600 original drawings.

Elementary Science.

By J. H. NANCARROW, late Head Master of Kingston Public School of Science, and Lecturer at the Richmond School of Science. Crown 8vo, cloth, 354 pp. Price 4s. net.

Provides a thorough grounding in the elements of Physics, Mechanics, Heat, Light, Magnetism, Electricity, Chemistry, &c.

Full Catalogue and Prospectuses post free on application to

MR. HERBERT RUSSELL, 35 & 36 TEMPLE CHAMBERS, LONDON, E.C. 4.

G. BELL & SONS, Ltd.**Standard English Books.**

The Peace of the Augustans. A Survey of Eighteenth-Century Literature as a Place of Rest and Refreshment. By GEORGE SAINTSBURY, D. Lit., LL.D., late Professor of Rhetoric and English Literature in the University of Edinburgh. Demy 8vo. 10s. 6d. net.

An Outline History of English Literature. By W. H. HUDSON, Late Staff Lecturer in English Literature to the Extension Board, London University. 3rd Edition. Crown 8vo. 3s. net.

Also a companion volume of "Representative Passages from English Literature." Crown 8vo. 3rd Edition. 3s. net.

A Short History of English Literature in the Nineteenth Century. By W. H. HUDSON. Crown 8vo. 3s. net.

"His judgments are sound, his survey wide; he writes concisely but without dullness."—*Church Times*.

Handbooks of English Literature. Edited by the late J. W. HALES, M.A., Professor of English Literature, King's College, London. 12 volumes, each written by an expert, covering the periods from the Age of Alfred to the Age of Tennyson. 4s. net. each.

An Introduction to English Literature. By H. S. PANCOAST. 4th Edition, enlarged. Crown 8vo. 7s. 6d. net.

A History of the English Language. By T. R. LOUNSBURY, Professor in Yale University. New Edition, revised. Crown 8vo. 6s. net.

Reading Aloud, and Literary Appreciation. By the late HARDRESS O'GRADY, Lecturer in English and Modern Languages at Goldsmiths' College, London. Crown 8vo. 2s. 6d. net.

Leaders of English Literature. By the late ARTHUR F. BELL. Crown 8vo. 2s. 6d. net.

Three Standard Handbooks.

A Handbook to the Works of Alfred, Lord Tennyson. By MORTON LUCE. With Bibliography. 5th Edition. Fcap. 8vo. 6s. net.

Handbook to Robert Browning's Works. By Mrs. SUTHERLAND ORR. 12th Edition. With a Bibliography. Fcap. 8vo. 6s. net.

A Handbook to the Works of William Shakespeare. By MORTON LUCE. 2nd Edition. Fcap. 8vo. 6s. net.

Now Obtainable.**WEBSTER'S NEW INTERNATIONAL DICTIONARY.**

India Paper Edition.

Buckram, with Marginal Index and Appendices. £4. 4s. 0d. net.

Best Leather, fully Gilt. £5. 5s. 0d.

Both Boxed.

WEBSTER'S COLLEGIATE DICTIONARY.

Large 8vo. Abridged directly from the "New International."

Cloth binding, with thumb Index. 18s. net.

Art Canvas, with thumb Index. £1. 1s. 0d. net.

Full Seal, with thumb Index. £1. 5s. net.

WEBSTER'S REVISED UNABRIDGED DICTIONARY

Being the "International Dictionary" with a large Supplement of New Words.

Buckram, library paper. £1. 15s. 0d. net.

Semi-flexible cloth, bible paper. £1. 11s. 6d. net.

Semi-flexible, full leather, bible paper. £1. 15s. 0d. net.

YORK HOUSE, PORTUGAL ST., LONDON, W.C. 2.

PRICE 6/- NET (postage 6d).

A
TEXT BOOK OF SEX EDUCATION

FOR

TEACHERS AND PARENTS

BY

WALTER M. GALLICHAN,

Author of "THE PSYCHOLOGY OF MARRIAGE."

MR. GALLICHAN, an expert who has made the scientific treatment of this difficult theme his own, here supplies a much wanted book. It is generally admitted that instruction in the sex problem must form a part of any sound educational curriculum in the future. The difficulty hitherto has been the lack of a book in which teachers and parents could find not only an accurate treatment of the subject itself, but practical suggestions as to methods of instruction for children, young persons, and adults. Mr. GALLICHAN has removed that difficulty, and the publishers are confident that this text book will meet with an appreciative reception.

A prominent educationist who read this manuscript says:—

"I regard the book as admirable in its delicacy and in its reverential treatment of a delicate problem. The author's model lessons for young children are not only effective for the purpose designed, but beautiful in presentation and phrasing."

T. WERNER LAURIE, Ltd.

30 New Bridge Street, E.C. 4.

PICTURES for SCHOOLS

THE MEDICI REPRODUCTIONS
THE NATIONAL PORTRAIT SERIES
AND THE MEDICI LITHOGRAPHS
FOR SCHOOL AND HOME. **PRICES**
1s. 6d. - 46s.

Write for catalogues and particulars to Educ. Dept.,
THE MEDICI SOCIETY, LIMITED,
Sole Publishers to the Trustees of the National Gallery,
7 GRAFTON STREET, LONDON, W.1.

THE "POSITIVE" ORGAN
IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.
Over 900 supplied, including many Cathedrals and Colleges all over the world.
Highest testimonials. Send for Catalogue "S."
POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

- of the Australian Medical Units in Egypt in 1914-1915. By Lieut.-Col. J. W. Barrett and Lieut. P. E. Deane. *Lewis*. Price 12s. 6d. net.
- The Yearbook and Annual Report of the Boy Scouts' Association, 1918.—Be Prepared: A Step towards Reconstruction. Price 1s.
- The Fellowship Song Book: Part I. With Historical Notes. Musical Editor, H. Walford Davies. *National Adult School Union*. Price 9d.
- Rudiments of Handicraft. By W. A. S. Benson. *Murray*. Price 1s. net.
- Guilds and the Social Crisis. By A. J. Penty. *Allen & Unwin*. Price 2s. 6d. net.
- W. & A. K. Johnston's New Comparative Chart of Election Results. Showing, in distinct colours, the Party representation of all the Parliamentary Divisions in the British Isles. Alphabetical list of all the Members of the New Parliament. By E. A. Manchester. *Macmillan*. Price 1s. net.
- The Development of English Agriculture and Rural Life: An Introduction to Study. By A. W. Ashby and M. K. Ashby. *National Home-Reading Union*. Price 1s.
- Jottings of an Allotment Gardener: A Book for all Food Growers. By E. T. Ellis. Mexboro' (Yorks): "Times" Printing Co. Price 1s. 6d. net.
- Whitaker's Almanack, 1919. *Whitaker*. Price 6s. net.
- Cinderella in the South: South African Tales. By A. S. Cripps. *Blackwell*. Price 6s. net.
- Queer Beasts and Magic: An Experienced Grandmother's Tale for Grandsons. By Mrs. A. H. D. Acland. *Sidgwick & Jackson*. Price 3s. 6d. net.
- Tales from Indian Epics. By C. A. Kincaid. With six Illustrations by M. V. Dhurandhar. *Milford*. Price 2s. 6d. net.
- The Kingsway Series.—Tests of Progress: English. Pupils' Edition and Teachers' Edition. *Evans*. Price 1s. net.
- Wheels, 1918. Third Circle Edited by Edith Sitwell. *Blackwell*. Price 4s. 6d. net.
- The Voice Beautiful in Speech and Song: A Consideration of the Capabilities of the Vocal Cords and their Work in the Art of Tone Production (New and Enlarged Edition of *Science and Singing*). By Ernest G. White. *Dent*. Price 5s. net.

Modern Languages.

- La Patrie: Echos de l'Histoire de France pour les Commencants. By J. Titterton. *Clarendon Press*. Price 2s.
- Von dem Jungsten Tage: A Middle High German Poem of the Thirteenth Century. Edited, with Introduction and Notes, by Dr. L. A. Willoughby. *Milford*. Price 7s. 6d. net.
- Le Cid: Tragédie par Corneille. Edited by J. Marks. *Manchester University Press*. Price 3s. 6d. net.
- Amalia. By José Mármol. Edited, with Exercises, Notes, and Vocabulary, by Prof. A. H. Corley. *Macmillan*. Price 5s. 6d. net.
- Manual de Correspondencia. With Exercises, Notes, and Vocabulary, by V. Fuentes and A. Elías. *Macmillan*. Price 5s. 6d. net.
- Leyendas Históricas Mexicanas. By H. Frías. Edited, with Vocabulary, Notes, and Exercises, by J. Bardin. *Macmillan*. Price 4s. net.
- Select Poems: Lermontov. *Clarendon Press*. Price 1s. 3d. net.

Religious Knowledge.

- The Church School of Citizenship. By Prof. A. Hoben. *University of Chicago Press*. Price \$1 net.
- Texts for Students.—Selections from the Vulgate. Arranged by Dr. H. G. White. Price 9d. net.—The Epistle of St. Clement of Rome. *S.P.C.K.* Price 6d. net.
- Translations of Christian Literature (Series II: Latin Texts).—The Octavius of Minucius Felix. By J. H. Freese. *S.P.C.K.* Price 3s. 6d. net.
- The Rival Philosophies of Jesus and of Paul: Being an Explanation of the Failures of Organized Christianity and a Vindication of the Teachings of Jesus, which are Shown to Contain a Religion for All Men and for All Times. By I. Singer. *Allen & Unwin*. Price 10s. 6d. net.
- Question Time in Hyde Park (Series II).—The Teaching and Person of Christ. By the Rev. C. F. Rogers. *S.P.C.K.* Price 6d. net.

Science.

- Recent Discoveries in Inorganic Chemistry. By J. Hart-Smith. *Cambridge University Press*. Price 4s. 6d. net.

GEOGRAPHY IN EDUCATION.

PHILIPS' HUMAN GEOGRAPHIES.

By JAMES FAIRGRIEVE, M.A.,
and ERNEST YOUNG, B.Sc.

Crown 8vo, with Coloured and Black and White Illustrations.

This series of elementary books is just what its name denotes—*human*. Everywhere the human note is predominant and the relation of man to his environment insisted upon. The books are not merely human in the sense that they treat of geography from the human point of view, but also because the kinds of human beings who live in different environments are fully described.

They are human, too, because they take account of the characteristics of the small human beings by whom they will be used. The books are written by men in actual touch with the problem of teaching young children, and they are written in a simple and interesting fashion. They are as logical as a proposition in geometry and almost as interesting as a fairy tale.

The series is distinctly progressive both in difficulty of language and of ideal. The first two volumes deal respectively with child and adult life in certain typical areas. Volumes III-VI cover the world on new and original lines.

The illustrations are new and novel and are specially drawn to suit the purpose of the lesson.

Book I.—CHILDREN FAR AWAY.

THE LIFE AND DOINGS OF CHILDREN
IN OTHER LANDS.

Price 1s. 6d.

Book II.—HOMES FAR AWAY.

THE HOMES AND PARENTS OF CHILDREN
IN OTHER LANDS.

Price 1s. 6d.

Book III.—THE BRITISH ISLES.

Price 1s. 9d.

Book IV.—THE NEW WORLD.

Price 2s.

Book V.—THE OLD WORLD.

In preparation.

Book VI.—EUROPE AND BRITAIN.

In preparation.

PHILIPS'

COMPARATIVE WALL ATLASES.

Edited by J. F. UNSTEAD, M.A., D.Sc.,
and E. G. R. TAYLOR, B.Sc.

Eight Sets—**World Relations, Six Continents, and British Isles.** Maps, singly, mounted to fold and eyeletted, 6s. net each; complete in this form in box, eight Maps, 40s. net, or all on roller to turn over, 35s. net. Also supplied without the Political Maps. Seven Maps, mounted on cloth, dissected, folded, and eyeletted, in thumb case, 32s. 6d. net.

PHILIPS' SYNTHETIC MAPS.

Eight Sets—**The World, Six Continents, British Isles.**

By E. G. R. TAYLOR, B.Sc.

Each Set consists of two Coloured Foundation Maps and eight Transparencies, together with Suggestions for Class Use. The whole in stout Manilla case. Demy 4to, 11 by 9 inches. 9d. net per Set.

The Synthetic Maps may also be obtained separately, printed on Cartridge paper, for use as "Hand Maps," price 3d. each net.

PHILIPS' MODERN SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

New Edition, Revised and Enlarged. 80 Plates, containing 142 Maps and Diagrams, with Introductory Letterpress and complete Index. 11 by 9 inches. Cloth boards, price 4s. 6d. net.

PHILIPS' NEW SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

New Edition, Revised and Enlarged. 72 Plates, containing 97 Physical, Political, and Commercial Maps, with Index. Size 9 by 11 inches. Limp cloth, 3s. 6d. net.

Detailed Prospectus of any of the above gratis on application.

GEORGE PHILIP & SON, Ltd., 32 FLEET STREET, LONDON.

PHILIP, SON & NEPHEW, Ltd., South Castle Street, Liverpool.

UNIVERSITY OF EDINBURGH.

Chancellor: The Right Hon. A. J. BALFOUR, M.P., D.C.L., LL.D., &c.

Rector: Admiral Sir DAVID BEATTY, G.C.B., G.C.V.O., D.S.O.

Principal and Vice-Chancellor: Sir J. ALFRED EWING, K.C.B., M.A., D.Sc., LL.D., F.R.S.

Secretary of the University: Professor Sir LUDOVIC J. GRANT, Bart., B.A., LL.D.

The **Summer Session** extends from about the middle of April to the end of June; in Law, from May to July.

The **Winter Session** opens about the beginning of October and closes about the middle of March.

The University embraces **Six Faculties**, viz.: **Arts, Science, Divinity, Law, Medicine and Surgery, and Music**, in all of which full instruction is given and Degrees are conferred. There are many different avenues to the **Degree of M.A.** (Honours and Ordinary), the graduation subjects embracing English, History, Modern Languages, Science, &c., besides Ancient Languages, Philosophy, Mathematics, &c. The wide scope of the Arts Curriculum permits of the combination of Arts, Science, Medical, or Special Studies; and it has been shown by successes of Edinburgh students in the Civil Service Examinations that it is possible to combine study for Degrees in Arts, Science, or Law with preparation for this and other Special Examinations. In addition to the Ordinary and Honours Degrees in Arts, the Higher Degrees of D.Lit., D.Phil., and D.Sc. are conferred. The Degree of **Bachelor of Education** is conferred on candidates who have attended Courses and passed Examinations in Psychology and in Education (Theoretical and Practical). A Diploma in Education is also conferred. A Degree of **Bachelor of Commerce** (B.Com.) has been recently instituted, and Special Courses in Industrial Law and other kindred subjects are being provided. Degrees in **Science** (B.Sc. and D.Sc.) may be taken in **Pure Science, Engineering, Public Health, and Veterinary Science**; and the Degree of B.Sc. in **Agriculture and Forestry**. Temporary Regulations have been framed for a **Diploma** and a **Certificate in Forestry** for the behoof of Officers and men who have served in the War. There are fully equipped Science Laboratories, and other necessary appliances, in all these Departments. The curriculum in **Divinity** affords a thorough training in Theological subjects, and the Degree of Bachelor of Divinity (B.D.) is conferred. The **Law** Faculty, besides furnishing the professional equipment necessary for those intending to practise in Scotland, contains Chairs in Jurisprudence and Public International Law, Constitutional Law and Constitutional History, Roman Law, and Political Economy, as also Lectureships in other important branches of Law, and is thus adapted for students preparing for the Civil Service Examinations, and for legal, political, and administrative appointments generally. The Degrees of Bachelor of Laws (LL.B.) and Bachelor of Law (B.L.) are conferred. The Faculty of **Medicine** has a full curriculum in Medicine and Surgery, and is equipped with very extensive Laboratories and all other necessary appliances for Practical Teaching. Ample facilities are afforded for Clinical Instruction at the Royal Infirmary, Maternity Hospital, Royal Hospital for Sick Children, Hospital for Infectious Diseases, and Royal Asylum for the Insane. Four Degrees in Medicine and Surgery are conferred by the University, viz.: Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.); and these Degrees qualify for practice throughout His Majesty's dominions, and for admission to the Naval, Military, and other Public Medical Services in the United Kingdom. A **Diploma in Tropical Medicine and Hygiene** (D.T.M. & H.) is conferred on Graduates in Medicine of the University, and specially approved Medical Practitioners who have resided abroad. There is also a **Diploma in Psychiatry** (Dipl. Psych.). In **Music** there is a full course of study for graduation, and the Degrees of Mus.B. and Mus.D. are conferred.

The University Staff consists of 44 Professors, over 90 Lecturers, and about 60 Assistants and Demonstrators. The annual amount available for Fellowships, Scholarships, Bursaries, Prizes, &c., is about £21,485. Facilities are afforded for research in scientific and other subjects.

Women may attend the Classes in all the Faculties, and they are admitted to graduation in Arts, Science, Law, Medicine, and Music.

Information regarding Matriculation, the Curricula of Study for Degrees, &c., the Examinations for Fellowships, Scholarships, &c., may be obtained from the DEANS OF THE FACULTIES, or from the CLERK OF SENATUS; and full details are given in the University Calendar, published by Mr. JAMES THIN, 55 South Bridge, Edinburgh—price 3s. 5d. by post. The Preliminary and Degree Examination papers in each of the Faculties are also published by Mr. JAMES THIN, viz.—Arts and Science Preliminary, 1s.; Arts Bursaries, 6d.; Medical Preliminary, 6d.; Degree papers: Arts, 1s.; Science, 1s.; Divinity, Law, Medicine, and Music, 6d. each.

1919.

By order of the Senatus.

L. J. GRANT Secretary.

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C.2,

For a Quotation before trying elsewhere

BOOKS BOUGHT AT GOOD PRICES.

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	...	net	6/-
THE GIRLS SCHOOL YEAR BOOK	...	"	6/-
THE SCHOOLMASTERS YEAR BOOK	...	"	15/-
THE DIRECTORY OF WOMEN TEACHERS	...	"	10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,
31 Museum Street, LONDON, W.C.1.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.



Cambridge University Press

RECENT PUBLICATIONS

HISTORY ETC.

Germany, 1815-1890 (3 vols). **Volume III, 1871-1890.** With two supplementary chapters. By Sir ADOLPHUS WILLIAM WARD, Litt.D., F.B.A., Master of Peterhouse. With 2 maps. Crown 8vo. 12s 6d net. Cambridge Historical Series

Previously published

Vol. I, 1815-1852 12s 6d net
Vol. II, 1852-1871 12s 6d net

"A book which gives a record of the most important events in German history, and as a handbook for students is probably superior to anything of the same kind that has been produced in Germany itself."—*The Times on Volume II.*

The Baronial Opposition to Edward II.

Its Character and Policy. A Study in Administrative History. By JAMES CONWAY DAVIES, Emmanuel College, Cambridge. Royal 8vo. 21s net

The Administrative records of the Chancery and Exchequer form the bulk of the material upon which this thesis, which was awarded the Thirlwall Prize in 1917, is based. The value of the material obtained is great, and has provided new light upon points of administrative interest as well as upon problems connected with the subject of the book. The Baronial Opposition to Edward II, as the author points out in his preface, was more than an opportunist outburst of oligarchical tendencies; it was a conflict of principles, contradictory and irreconcilable.

The War and Unity.

Being Lectures delivered at the Local Lectures Summer Meeting of the University of Cambridge, 1918. Edited by the Rev. D. H. S. CRANAGE, Litt.D. Crown 8vo. 6s net

CONTENTS: Unity between Christian Denominations, by Rev. V. H. Stanton, D.D.; Rev. Eric Milner-White, Rev. W. B. Selbie, and Very Rev. James Cooper, D.D.; Unity between Classes, by R. Rev. F. T. Woods, D.D., Bishop of Peterborough, and Rt Hon. J. R. Clynes, M.P.; Unity in the Empire, by F. J. Chamberlain; Unity between Nations, by Rev. J. H. B. Masterman.

MATHEMATICS AND PHYSICS

A Treatise on Plane Trigonometry.

By E. W. HOBSON, Sc.D., F.R.S., Sadleirian Professor of Pure Mathematics, and Fellow of Christ's College, Cambridge. Fourth edition. Demy 8vo. 12s 6d net

"There was a time when Professor Hobson's volume was the only British text-book in which the higher portions of the subject were adequately treated. Even now it has no serious rival, for although later works on higher analysis contain many chapters overlapping the ground covered by the latter half of this volume, we believe that 'Hobson' will continue to be the favourite textbook for those who wish to carry the subject beyond a merely elementary course."—*The Mathematical Gazette on the Third edition*

Matrices and Determinoids.

By C. E. CULLIS, M.A., Ph.D., Hardinge Professor of Higher Mathematics in the University of Calcutta. Volume II. Royal 8vo. 42s net

CONTENTS:—Compound Matrices; Relations between the Elements and Minor Determinants of a Matrix; Some Properties of Square Matrices; Ranks of Matrix Products and Matrix Factors; Equigradient Transformations of a Matrix whose Elements are Constants; Some Matrix Equations of the Second Degree; The Extravagances of Matrices and of Spacelets in Homogeneous Space; The Paratony and Orthotomy of Two Matrices and of Two Spacelets of Homogeneous Space.

The Theory of Electricity.

By G. H. LIVENS, M.A., Lecturer in Mathematics in the University of Sheffield. With 104 text figures. Large royal 8vo. 30s net

"Offered as a general text-book on the mathematical aspects of modern electrical theory, this work is a successful attempt to present the subject in a consistent form. . . . It may be said, without fear of contradiction, that this work is one of the most valuable of recent contributions to electrical literature."—*The Electrical Times*

CHEMISTRY

Recent Discoveries in Inorganic Chemistry.

By J. HART-SMITH, A.R.C.S., F.I.C. Demy 8vo. 4s 6d net.

An account of the more important discoveries in Inorganic Chemistry within the last fifteen years, so far as they concern the subject as usually taught in schools. The book is in no sense intended to be a textbook, but is rather to be regarded as a supplement to existing textbooks. The book contains particulars of all work coming within its scope that has been published up to the end of 1917.

ENGLISH

Cambridge Readings in Literature.

A Series of Anthologies from Homer to Masfield, illustrated with reproductions of pictures by great masters, from Botticelli to William Orpen. Edited by GEORGE SAMPSON. In five books. Crown 8vo. In three styles of binding, viz:—Cloth boards, uncut edges, with bookmarker; cloth limp; and cloth flush. Books I, II, III, 5s net, 4s net, and 3s 6d net, each respectively, according to binding. Books IV and V, 6s net, 5s net, and 4s net

"The passages of good literature which Mr Sampson has included make up volumes that to the adult reader will be delightful companions, and in the adult and the adolescent alike will stir the passion to read more and more."—*The Times*

The Story of Doctor Johnson.

Being an Introduction to Boswell's *Life*. By S. C. ROBERTS, M.A., sometime Scholar of Pembroke College, Cambridge. With a frontispiece and 15 plates. Crown 8vo. 4s 6d net

"The object of this little book is clearly expressed on the title-page. . . . Letting Boswell for the most part speak for himself—not in isolated tit-bits but in substantial paragraphs, I have endeavoured to present Dr Johnson in the various stages of his career and in the varied circle of his friends, in such a way as to attract those who have not already known the charm of that delicious nook of eighteenth-century society."—*Extract from the Preface*

Milton: Areopagitica.

With a Commentary by Sir RICHARD C. JEBB, and with Supplementary Material. Extra fcap 8vo. 3s net. Pitt Press Series

"Sir Richard Jebb's introduction, analysis, and notes—dealing especially with the numerous classical allusions—have the clarity and precision to be expected from the great scholar, and the new edition of the famous tractate may be warmly commended."—*The Spectator*

FRENCH

Translation from French.

By R. L. G. RITCHIE, M.A., Lecturer in French in the University of Edinburgh, and JAMES M. MOORE, M.A., Rector of the Madras College, St. Andrews. Demy 8vo. 6s 6d net

"A book which is clear, helpful, and a pleasure to read and work through. We say 'work through,' because the most valuable part is certainly that section which consists of models, or specimens of how fine translation should be carried out. It is in these passages, so carefully and delicately handled, that the science and art of the authors is most evident. . . . This, in short, is a very good book, and it should be bought."—*The Times*

A Manual of French Composition.

By the same Authors. Demy 8vo. 5s net

"The outstanding feature . . . is the Model Lessons. . . . These are of high merit, and deserve the closest attention. . . . The work is highly stimulating, and shows how the study of a modern language may give that mental discipline which was formerly supposed to be the province of the ancient classics."—*Modern Language Teaching*

Selections from Sainte-Beuve.

Edited by ARTHUR TILLEY, M.A., Fellow and Lecturer of King's College, Cambridge. Crown 8vo. 6s net

"The French text of nine of the brilliant critical studies by this most distinguished of modern French literary critics, with foot-notes and a thoroughly competent introduction."—*The Scotsman*

Regnard: Le Joueur.

Edited, with an introduction and notes, by ARTHUR TILLEY, M.A. Crown 8vo. 4s net

Lesage: Turcaret.

Comédie. Edited by A. HAMILTON THOMPSON, M.A., F.S.A. Crown 8vo. 6s net

Balzac: Le Colonel Chabert.

Edited by S. H. MOORE, M.A. Crown 8vo. 3s net. Cambridge Modern French Series

Jusserand: La Vie Nomade et les Routes

d'Angleterre au XIV^e Siècle. Edited by A.

WILSON-GREEN, M.A. With a frontispiece. Crown 8vo. 4s net. Cambridge Modern French Series

FETTER LANE, LONDON, E.C.4: C. F. CLAY, MANAGER

London: Printed by C. F. HODGSON & SON, Newton St., Kingsway, W.C.2; and Published for the Proprietors by Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND

No. 597.
Vol. 51.

LONDON, APRIL 1, 1919.

PRICE 8D.; BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

May 1919 issue ready on April 30.
Advertisement scale is on page 231. The
latest time for prepaid Advertisements is
APRIL 22.

SCHOLARSHIP NOTICES.

See pp. 207 and 247.

PHYSICAL TRAINING.

See pp. 203, 206, 208.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below.

UNIVERSITY TUTORIAL COLLEGE,
See p. 203.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See p. 210, 231.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
New Premises: 9 & 10 Brunswick Sq., London, W.C.1.
For Holiday Course Advertisement, see page 247.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.
Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced.

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.

When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W.1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

TEACHERS' DIPLOMAS.

The COLLEGE OF PRECEPTORS holds Exam-
inations of Teachers for the Diplomas of Associate,
Licentiate, and Fellow of the College in London,
Belfast, Birmingham, Bristol, Cardiff, Cork, Dublin,
Glasgow, Leeds, Liverpool, Manchester, Newcastle-
on-Tyne, and Plymouth. The Theory and Prac-
tice of Education is an obligatory subject for
each grade. For Regulations apply to the SECRE-
TARY, College of Preceptors, Bloomsbury Square,
London, W.C.1.

PRELIMINARY EXAMINATIONS

FOR

MEDICAL, DENTAL, AND PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Ealing, Exeter, Margate,
Plymouth, Portsmouth, Sheffield, Southampton,
Southport, Sunderland, and York. For Regulations,
apply to the SECRETARY, College of Preceptors,
Bloomsbury Square, London, W.C.1.

UNIVERSITY CORRESPONDENCE COLLEGE

(Founded in 1887.)

PRINCIPAL:

WILLIAM BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.

Vice-Principal:

B. J. HAYES, M.A. (Gold Medallist in Classics).

Science Director:

A. G. CRACKNELL, M.A., (Sixth Wrangler,) B.Sc.

LONDON UNIVERSITY DEGREES.

B.A., B.Sc., M.A., LL.B., B.Sc. (Economics), B.D.

At the B.A. Examination during the years 1913-
1917 more than One-half of the Places in Honours
were gained by U.C.C. Students.

Prospectus, giving full particulars of courses and
fees for London University Examinations, post free
to PRIVATE STUDENTS from the Secretary,
No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1918 - 1893

Candidates in various Groups: **205** First
Class; **308** Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-18 **43** (Only two failures.)

Oxford Higher Local, 1903-18 - **178**

Candidates in various Sections.

M.D. (Lond.), 1901-18 - **232** (Including 6 Gold Medallists during 1913-1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL

Newly typed and expanded courses for
1918-19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION. A SUMMER SCHOOL

will be held during the first three weeks in August at Westfield College, University of London. One Course will consist of lectures, accounts of experiments, and discussions bearing on "Reality and Life in Education." Other Courses will be on Handwork—for guidance in preparation for the new Diploma of Handwork of the National Froebel Union—Nature Study, Gardening, Eurhythmics, Games and Country Dances.

This year a few grants towards expenses will be given by the Council of the Froebel Society. Applications should be made before May 15th.

Further particulars may be obtained from the Secretary, 4 Bloomsbury Square, W.C.1.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation of Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—
Miss C. P. TREMAIN, B.A.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL

Hall of Residence for Women Students.
Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from 40 guineas per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

UNIVERSITY OF ST. ANDREWS.

UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 65 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

UNIVERSITY COLLEGE, READING.

HALLS OF RESIDENCE.

Wantage Hall (Men). St. George's Hall (Women).
St. Patrick's Hall (Men). Wessex Hall (Women).
St. Andrew's Hall (Women).

Cintra Lodge (Women).

THE COLLEGE provides courses in Letters, Science, Agriculture, Dairying, Horticulture, Fine Arts, Handicrafts, Music, Commerce, and Domestic and other Technical Subjects. Students are prepared for London University Degrees and for College and other Diplomas and Certificates.

Wantage Hall and St. Patrick's Hall will reopen for the residence of men students in September, 1919.

SCHOLARSHIPS IN ARTS, AGRICULTURE, AND MUSIC.

An Examination for a Wantage Scholarship in Agriculture of £40 per annum, open to men, and for St. Andrew's Hall Scholarships in Arts and Agriculture, each of £40 per annum, open to women, will be held on May 20 to 23, 1919, and may be taken either at the College or at Candidates' schools. Candidates must be prepared to read for a London Degree. Entries must be sent in by April 22, 1919.

An Examination for one or more Scholarships in Music, each of about £26 per annum, open to men and women, will be held at the College on July 9, 1919. Entries must be sent in by June 25, 1919.

The above-mentioned Scholarships are tenable at the College for not more than three years from October, 1919. Further particulars of the Scholarships, and prospectuses of the College, may be obtained from the REGISTRAR, University College, Reading.

FRANCIS H. WRIGHT,
Registrar.

DEAN FOREST.

SEVERN WYE VALLEYS; beautiful Holiday Home (600 feet up); spacious house, grounds; Bath, Billiards, Tennis, Motors, magnificent Scenery. Boarders 42/- to 50/-. Photos, Prospectus.—Littledean House, Littledean, Glos.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

KESWICK.

ENGLISH LAKES.—Guests received in country private house. Grounds. Near church, post, telegraph and telephone office. Climbing, boating, fishing. Lovely scenery. Moderate terms.—Miss SCOTT, Borrowdale Gates, Keswick, Cumberland.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home; good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

LEIGH, ESSEX.

FOUR Paying Guests received in very comfortable home. Finest situation, in one of the healthiest districts in England—Leigh, Essex. 50 minutes from town. Five minutes from sea, trains, trams, open country. Address—No. 10, 747.*

LONDON, W.C.1.

30. 31. &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegs.: "Baggage, London." Phone: Gerrard 4718.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB, 9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray." London. Telephone: Museum 1230 (2 lines).

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

RUSTINGTON, SUSSEX.

SMALL high-class Boarding House in the Country, near Sea. Large garden, tennis court, golf links near. Those who value home comforts, good food, and congenial companionship will find them at "Dunnabie." Terms from 24 guineas.

ST. LEONARDS-ON-SEA.

WILTON HOUSE HOTEL.—Unique Position. Sea front, Golf, Tennis, Croquet, Bowls, Fishing, Municipal Orchestra. Good Cuisine. Over 40 bedrooms. From 8s. 6d. day. Phone 159 Hastings—PRINCIPAL.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.**

**SOHOASTIC AGENCY for
JUNIOR FORM and KINDERCARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
KINGSFIELD,
DARTFORD HEATH, KENT.**

Trustees:

Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.

Principal:

Miss H. C. GREENE.

Vice-Principal:

Miss A. WIKNER (Royal Cent. Inst. of Gymnastics, Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course extends over two years. It includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 15 acres, in a beautiful and healthy locality close to Dartford Heath.

The demand for mistresses of physical training holding the Diploma of this College is at present far in excess of the supply.

The course begins in **October**. Further particulars may be obtained on application to the SECRETARY.

**BERGMAN ÖSTERBERG
UNION OF TRAINED GYMNASIAC TEACHERS.**

Ling's Swedish System.

Aim of the Union: To advance the cause of Physical Education on scientific lines.

In placing members of this Union as Teachers in Schools, careful and discriminating choice is exercised, and the exact requirements of each School specially considered.—PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.

**INTERNATIONAL GUILD.
6 RUE DE LA SORBONNE, PARIS.**

CLASSES in the French Language,
Literature, History, and Phonetics.
Students are prepared for the Certificat d'Etudes Française of the Sorbonne, and the Diplôme d'Etudes Françaises of the Guild.
For further information apply to the SECRETARY.

**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours, London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the HEAD MISTRESS.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of
all grades should apply to—THE EDUCATION SECRETARY, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.1.

**University Tutorial College.
LONDON.**



**LONDON
MATRICULATION.**

Morning, Afternoon, and Evening Classes for the June and September Examinations can be taken up at any time.

**SCIENCE CLASSES
DURING
EASTER VACATION.**

Practical Classes in Chemistry, Physics, and Botany commence on Monday, April 14th, and extend to Friday, May 2nd.

During the Period of the War over 1,000 successes have been gained by U.T.C. Students in Public Examinations, including 883 successes at London University.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
32 RED LION SQUARE, HOLBORN W.C.1.



**THE
ASSOCIATED BOARD
OF THE
ROYAL ACADEMY OF MUSIC**

AND THE
ROYAL COLLEGE OF MUSIC
FOR LOCAL EXAMINATIONS IN MUSIC.
Patron: HIS MAJESTY THE KING.

LOCAL CENTRE EXAMINATIONS (Syllabus A).
Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the November-December Examinations close Wednesday, October 15th, 1919.

SCHOOL EXAMINATIONS (Syllabus B).
Held throughout the British Isles three times a year, viz., June-July, October-November, and March-April. Entries for the June-July Examinations close Wednesday, May 7th (Irish entries, April 30th), 1919.

The Board offers annually SIX EXHIBITIONS, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.
Syllabuses A and B, Entry Forms, and any further information will be sent post free on application to—

JAMES MUIR, Secretary,
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA, LONDON."

SPECIAL CORRESPONDENCE COURSES:

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. } 163 Correspondence Students successful.

Mr. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R.C.M.,
c/o Foysey Bros., Deansgate, Manchester.

**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.**

President: **SIR FRANK BENSON,**
Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.,**
Royal Albert Hall, Kensington Gore S.W.7.

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

SUMMER TERM BEGINS MAY 3rd.

**SUMMER SCHOOL
OF SPEECH TRAINING,
AUGUST 1-16,
STRATFORD - ON - AVON
SUMMER FESTIVAL.**

**ASSOCIATION OF TEACHERS
OF
SPEECH TRAINING.**

Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.

President:

Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, Scuth Kensington, S.W.7.

Secretary:

Miss WELLESLEY-READE, 44 Fairholme Road, West Kensington, W.14.

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Interference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply — Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 201, 203, [Halls of Residence] 202, 205, [Physical Training] 203, 206, 208, [Scholarships] 207, 208, 225, 241, 242.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON).

CAMPDEN HILL ROAD, W.8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

ST. GEORGE'S TRAINING

SCHOOL (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council: The Rev. W. TEMPLE.
Principal Elect: Miss B. S. PHILLIPPS, M.A.
Acting Principal: Miss A. W. RICHARDSON.

Students are prepared for the Arts and Science Degrees of the University of London: there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident from £95 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years (including a special Scholarship for Classics) will be offered for competition at an Examination to be held May 20th-23rd, 1919. Applications for entrance should be sent in before May 5th.

For Calendar and further particulars apply to the ACTING PRINCIPAL, Westfield College, Hampstead, N.W.3.

THE TRAINING COLLEGE, DARLINGTON, Nursery Training School, Hampstead, N.W.3.

have arranged a combined Training Course for Superintendents of Nursery Schools. The Course will be for One or Two Years according to entrance qualifications.

For particulars, apply to the PRINCIPAL, Training College, Darlington, or to the WARDEN, Nursery Training School, Wellgarth Road, Hampstead, N.W.3.

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION. In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent, Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W. 6.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

PRINCIPAL: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects, Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer: Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W.4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.
2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.
3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.
4. TRAINING DEPARTMENT for Teachers of Housecraft. Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

Institut Français du Royaume Uni

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

SPEECH TRAINING SCHOOL,

NON-RESIDENTIAL.

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

MEDICAL

PRELIMINARY EXAMINATIONS

THE

University Examination Postal Institution

provides courses in preparation for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors. Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes. Oral lessons are also given.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C.1.

TRAINING COLLEGES and Technical Schools.

See also pages 201, 203, [Halls of Residence] 202, 204, [Physical Training] 203, 206, 208, [Scholarships] 207, 208, 225, 241, 242.

THE UNIVERSITY OF LIVERPOOL TRAINING COLLEGE.

Recognized by the Board of Education in accordance with its regulations for the training of Teachers in Elementary Schools.

STUDENTS are admitted for a four years' Course in which they are prepared for Degrees in Arts or Science. The Board of Education pays tuition fees and makes a maintenance grant. Application for admission should be made to the PRINCIPAL, from whom information as to the studies, residence, and fees may be obtained.

**Northern Counties
Training School of Cookery
and Household Economy,**
WORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
**COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.**

School year began September.

BIRKBECK COLLEGE

BREMS BUILDINGS, CHANCERY LANE, E.C.4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)

FOR DEGREES IN

ARTS, SCIENCE, ECONOMICS, LAWS,
under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.
GEOGRAPHY DIPLOMA AND MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10.10s.; Science, £17.10s.
Evening: Arts, Science, or Economics, 25. 6s.

Prospectus post free. Calendar 6d. (by post 8d.)

**WHITELANDS TRAINING
COLLEGE FOR WOMEN TEACHERS.**
CHELSEA, S.W.3.—A special ONE YEAR COURSE OF TRAINING, recognized by the Board of Education, for those desiring to teach in CONTINUATION SCHOOLS will be held at the above College from September, 1919. For particulars entrance qualifications, fees, course of training, &c., apply to the SECRETARY.

THE LONDON SCHOOL OF DALOZE EURHYTHMICS,

23 Store Street, W.C.1.

The Daloz School of Eurhythmics, Ltd.

Telegrams:

Telephone:

"Eurhythm, London."

Museum 2294.

In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

Belstead Horticultural School, Aldeburgh, Suffolk.

PRINCIPAL: Mrs. DUDLEY HERVEY.

*A Resident Scholarship for One Year
in memory of Dr. Elizabeth Garrett Anderson.
Lady Mayor of Aldeburgh, is offered to
Girls between the ages of 18 and 27. Work
for the R.H.S. Examination compulsory.*

Subjects of Instruction.

Full Theory and Practice of Private and
Market Gardening.
Landscape Gardening. Book-keeping.
Bee-keeping. Fruit Bottling.

Examinations.

Preparations for the R.H.S. Examination
(one year's preparation). Prize for the
best-kept Diary.

Lectures.

Horticultural Science.
Physiology of Plants.
Insect Pest and Plant Diseases.
Commercial Gardening.
Manures.

Head Instructress:

Miss HARTLEY, Gold Medalist R.H.S.;
Diploma for Practical and Theoretical
Gardening; Horticultural College, Swanley.
Assisted by a competent Staff.

*Board, Residence and Fees (except per-
sonal Laundry) payable in advance.*

Terms on application from the Principal.

GOLDSMITHS' COLLEGE, TRAINING DEPARTMENT.

(Under the control of the University of London.)

THERE are Vacancies for Men, and

for Women able to live at home during their training, for admission in September, 1919 to (1) the Two Year Course; (2) the One Year Course for Graduates and Certificated Teachers; (3) the Course lasting three years for Students preparing for the B.A. (Internal) Degree of the University of London; (4) Specialized Third Year Courses for persons who have already been trained for two years. Applications for the Two Year Course from Discharged Soldiers of good general education will be considered. Full particulars and Application Forms from the ACTING WARDEN, Goldsmiths' College, New Cross, S.E.14.

SOCIETY FOR THE STUDY OF ORTHOPSYCHICS.

President:

Professor T. PERCY NUNN, M.A., D.Sc.

TRAINING COURSE

IN

APPLIED PSYCHOLOGY:

Practical study of Character and of the
psychological fundamentals of social work
(Education, Criminology, &c.).

All particulars of the HON. SEC.,
30 Brunswick Square, W.C.1.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management,
Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals { Miss C. CRACKNELL, late of Swanley
Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Train-
ing in Gardening: Fruit, Vegetables, and
Flower Growing; Glasshouse and Frame Work.
Course of two years; also Shorter Courses. Poultry
(extensive and intensive); Milking; Butter-making;
Bee-keeping. Preparation for R.H.S. Particularly
successful with young students.

TRAINING COLLEGE, DARLINGTON.

A One Year Course of Training is
arranged for those wishing to gain experience
in teaching older children. Teaching practice is
provided in "Higher Tops," Central Schools, and in
Continuation Classes.

Trained Certificated Teachers, or Graduates, or
Candidates who have passed Higher Local or Higher
Froebel Examinations are eligible.
Particulars as to fees, grants, and courses of study,
on application to the Principal, Miss F. HAWTREY.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK. 92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Teachers'
Needlework Diplomas are held in March,
June, and December, and for Dressmaking Diplomas
in January and July.

Work from Secondary, High, Convent, and other
Schools examined in April, July, and December, and
Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

MRS. CURWEN'S PIANO- FORTE METHOD. EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

Training Classes for Music Teachers and Student
Teachers are held at Wigmore Hall Studios, Wigmore
Street, W.1, by Miss SCOTT GARDNER and Miss
MARGARET KNAGGS, A.R.C.M., on Wednesdays and
Saturdays. Write for syllabus to either teacher at
the studio.

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A.,
Coaches by Correspondence in French,
History, English Language, and Literature, and
Comparative Religion for Cambridge and Oxford
Locals and other examinations.—The Rectory, Little
Stukeley, Huntingdon.

MISS MASOM, B.A. Honours,
coaches in Mathematics for Matric., Higher
Oxford and Cambridge, &c. School or private pupils.
Successful experience. Highest testimonials.—
207 Adelaide Road, Hampstead, N.W.3.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASIUM TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma. The Association keeps a list of certificated Gymnastics and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GORRE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD (President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION

FOR WOMEN.

(SWEDISH SYSTEM.)

Chairman of the Governing Body: The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Applications for admission in September next should be made now to the HEAD MISTRESS (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENE M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE,

WALLINGTON, SURREY.

Complete training, on Arvedson's Principles, in all branches of Educational and Remedial Gymnastics and Massage; also Dancing, Fencing, Games, &c.

Students will be accepted in January for the two years' course; they must be well educated.

New term 7th January.

Full particulars and Prospectus on application.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS' GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASIUM TEACHERS.

See advertisement on page 203.



THE INCORPORATED
BRITISH COLLEGE
of
PHYSICAL EDUCATION.

Until further notice all inquiries
should be addressed to—

Mr. FRANK H. GELLING,
Hon. Secretary,

41a Lyric Road, Barnes, London,
S.W. 13.

PHYSICAL TRAINING COLLEGE.
QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W. 7.

E DUCATED GIRLS TRAINED as TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PHYSICAL TRAINING COLLEGE

(Ling's Swedish System.)

BATTERSEA POLYTECHNIC, S.W. 11.

THREE YEARS' COURSE of Training for Teachers of Swedish, Educational, and Remedial Gymnastics. Games, Dancing, &c. Diplomas granted. FEE—£75 for the complete Course.

ONE YEAR COURSE of Training in Swedish. Remedial, Exercises, and Massage. Excellent opportunities for Clinic and Hospital Work. Students are prepared for the Examinations of the I.S.T.M. FEES from £25, according to subjects taken.

For particulars of Curricula, Scholarships, Hostels, &c., apply to the SECRETARY.

ANSTEY PHYSICAL TRAINING COLLEGE, ERDINGTON,

offers well-educated women complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

Residential Fees: £100 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern
Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on
application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

CRANBROOK SCHOOL, KENT

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS
and EXHIBITIONS are held in March, June, and
November. For particulars apply to the HEAD
MASTER, The School House, Cranbrook, Kent.

NEWNHAM COLLEGE.—TWO

SCHOLARSHIPS, one for Classics and one for
Modern Languages, are offered in March, each of
£30 a year for three years. Other Scholarships are
offered on the results of the Cambridge Higher
Local Examinations in June. Particulars can be
obtained from the PRINCIPAL.

KING'S SCHOOL, CANTER-

BURY.—ENTRANCE and KING'S
SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS
offered for competition twice annually,
in June and November. For particulars apply to
the Head Master—A. LATTEY, M.A.

BRIGHTON COLLEGE.—An

Examination will be held in June, 1919, to
elect to EIGHT SCHOLARSHIPS varying in value
from £60 to £45 a year. Full particulars on applica-
tion to the HEAD MASTER.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL

ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College
and Manufacturing Works are held annually in
April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

MALVERN COLLEGE.

TWELVE OR MORE

ENTRANCE SCHOLARSHIPS,
value £87 to £30, and some Exhibitions, value £25 to
£12, will be awarded by Examination to be held on
JUNE 3, 4, and 5, 1919.

Particulars of these and of certain valuable War
Exhibitions (awarded without examination), from the
HEAD MASTER or BURSAR.

ST. JOHN'S SCHOOL, LEATHER-

HEAD.—In addition to sons of living clergy
elected on the Free Foundation, Supplementary
Foundations (sons of living clergy only) are re-
ceived at the annual fee of 35 guineas. The School
is also open to sons of Clergy or Laymen paying full
fees, viz., 55 guineas per annum. Day-Boys 30
guineas per annum. Modern School buildings for
230 boarders and about 10 lay-boys. Boys prepared
for the Universities, Army and Civil Service Examinations, &c. Leaving Scholarships. Three Entrance
Scholarships awarded each year. Scholarship exam-
ination for 1919 on July 2nd: entries close the last
day of June. For Prospectus, &c., apply to the
HEAD MASTER, the Rev. F. A. DOWNES.

GIGGLESWICK SCHOOL.—On

June 4th and the following days an Examination
will be held for TWO QUATERCENTENARY
SCHOLARSHIPS (value £50 each). For particulars
apply to the BURSAR, Giggleswick School, Settle,
Yorkshire.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by
post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH,
M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

ALDENHAM SCHOOL, HERTS.

An Examination will be held on June 5th and 6th,
1919, for about SIX JUNIOR PLATT SCHOLARSHIPS
of £30, and two or three HOUSE of £20,
all tenable for three years, and open to boys under 15
on May 1st.

The Scholarships will be awarded for proficiency
in Classics, Mathematics, or Natural Science, or for
general all-round merit. Further particulars from—
Rev. A. H. COOKE, Sc.D., Head Master.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships
and Exhibitions, varying from £50 to £15,
is held annually in May. General knowledge is
required in preference to specialization in one
subject. Exhibitions also awarded on the Common
Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

SHERBORNE SCHOOL.

AN Examination for ENTRANCE
SCHOLARSHIPS, open to Boys under 14 and
over 12 years of age on June 1st, 1919, will be held on
June 10th and following days. Further information
can be obtained from the HEAD MASTER, School
House, Sherborne, Dorset.

BISHOP'S STORTFORD COLLEGE.

An Examination for SCHOLARSHIPS

will begin on
MONDAY, JUNE 30th.

For particulars apply to The HEAD MASTER.

LANCING COLLEGE

SCHOLARSHIPS.—ENTRANCE Scholarships will be offered for competition on Tuesday,
June 3rd, 1919, and following days. Candidates must be
over twelve years of age and under fourteen on June 1st.
(a) Six Scholarships (at least), Classical and
Modern, varying from 60 guineas to 15 guineas
per annum. (b) Two Choral Exhibitions of 25
guineas per annum, open to all boys who can sing
and read music. Full allowance in all cases will be
made for age. Candidates will be examined at
Lancing, unless further notice is given to the contrary.
For prospectus and all additional information,
apply to the Head Master, Rev. H. T. BOWLEY,
Lancing College, Shoreham, Sussex.

Gresham School, Holt.

ANNUAL
SCHOLARSHIPS EXAMINATION.
JUNE 4TH AND 5TH.

Entries received not later than 15th May.
Apply to THE HEAD MASTER.

ST. LEONARD'S SCHOOL, ST.

ANDREWS, FIFE.—TWO ENTRANCE
SCHOLARSHIPS of the annual value of £60, tenable
for four years at the above school, will be awarded
on the result of an Examination to be held in May.
Candidates must be between 13 and 15 on Sept. 15th,
1919. Preference will be given to the daughters of
professional men and of officers in H.M. Service.—
Applications for admission to the Examination
should be addressed to the HEAD MISTRESS.

UPPINGHAM SCHOOL

AN EXAMINATION for about
SEVEN OPEN SCHOLARSHIPS (value
£85-£30) and some House Exhibitions will be held
on June 3, 4, and 5, 1919.

Apply to THE HEAD MASTER, The School House,
Uppingham.

TONBRIDGE SCHOOL.—

SCHOLARSHIPS EXAMINATION on the
10th, 11th and 12th of June, 1919. One Scholarship of
£100 p.a., one of £80 p.a., and one of £40 p.a., and
not exceeding six Foundation Scholarships entitling
to exemption from payment of the Tuition Fee, will
be offered for competition. For particulars apply to
the SECRETARY to the Head Master, School House,
Tonbridge.

BRADFIELD COLLEGE.

AN EXAMINATION for
ENTRANCE SCHOLARSHIPS and EXHIBITIONS open to Boys under 15 on September
20th, 1918, will be held on May 27th and 28th, at
Bradfield.

The following will be offered:—

Three Scholarships of 90 Guineas.

One Exhibition of 60 Guineas.

One Exhibition of 50 Guineas.

Three to Six Exhibitions of 30 to 20 Guineas.

Entry Forms can be obtained from the HEAD
MASTER, Bradfield College, Berkshire.

CHELTENHAM COLLEGE SCHOLARSHIPS.

Examinations, May 27th, 28th, and 29th.

At least ten ENTRANCE SCHOLARSHIPS,
value £90 to £20, and some HOUSE MASTERS'
EXHIBITIONS will be offered to candidates who
are not already in the College, whether Senior or
Junior Department, including JAMES OF HEREFORD
SCHOLARSHIP, value £35 per annum, with
preference for boys born, educated or residing in
HEREFORDSHIRE. Also ARMY and OLD
CHELTENHAM. Some Nominations for SONS OF
THE CLERGY, value £30 per annum, may also be
given. Apply to the BURSAR, The College, Cheltenham.

PRIFYSCOL CYMRU. UNIVERSITY OF WALES.

THREE FELLOWSHIPS, each of

the value of £125, tenable for two years, are
open to Graduates of this University, and TWO
OTHER FELLOWSHIPS to those of them who
have been engaged in National Service. Applications
must be received before June 1st, 1919, by the
REGISTRAR, University Registry, Cathays Park,
Cardiff, from whom further information may be
obtained.

POCKLINGTON SCHOOL,

E. YORKS.—The Examination for EN-
TRANCE SCHOLARSHIPS will be held on May
19th. For details and for Prospectus apply to the
Head Master, P. C. SANDS, M.A., late Fellow of St.
John's College, Cambridge.

WYCOMBE ABBEY SCHOOL.

—ENTRANCE SCHOLARSHIPS.—An
Examination will be held in May. The Scholarships
will be of the value of £60 each per annum. Candidates
must be under 14 years of age on April 1st,
1919.—For particulars apply to the HEAD MISTRESS.

UNIVERSITY COLLEGE,

READING.

For particulars of Examinations for
SCHOLARSHIPS, see page 202.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

CONTINUED FROM PAGE 206.

PORTLAND ROAD GYMNASIUM, London, W.

Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEWACHE, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, 32 Highcroft Gardens, Golder's Green, N.W.4.

H. C. JUNKER'S INSTITUTE OF SWEDISH (LING'S) EDUCATIONAL GYMNASTICS, SILKEBORG, DENMARK.

Sanctioned by the Danish Board of Education.

THE FULL TRAINING COURSE of Swedish Gymnastic (Theory and Practice), including Anatomy and Physiology (Hygiene), Psychology, Games, Fences, some Corrective and Remedial work, &c. (held in the English Language), for men and women, thoroughly equipping students of good education as teachers of Ling's System, commences on September 5th.

The Course extends over two years, but specially prepared students may complete the training in one year.

Fee: £90 per annum (£10 per month), including tuition, board and lodging. (No extras except laundry).

The Annual HOLIDAY COURSE will be held from July 31st to August 27th.

Fee: £10, including tuition, board and lodging.

Application Form and further particulars can be obtained from the PRINCIPAL,

H. G. JUNKER,
Late Assistant Inspector of Physical Education under the Danish Board of Education, late Special Instructor and Inspector to the Education Committee of the County Council of the West Riding of Yorkshire, England.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W.11. Tel.: PARK 3948.

UNIVERSITY COLLEGE, READING.

COURSE IN PHYSICAL TRAINING.
(Approved by the Board of Education.)

A One Year Course in Physical Training is held for Certificated Teachers (Women). The Course is intended to qualify Students to undertake the work of Physical Training in Schools (including Continuation Schools). A Prospectus of the Course and an Application Form may be obtained from the REGISTRAR, University College, Reading.

FRANCIS H. WRIGHT,
Registrar.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,

Intermediate Arts and B.A.,

Intermediate Science and B.Sc. (Theoretical Subjects only).

L.L.A. (St. Andrews),

College of Preceptors' Diploma.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

GEORGE GILL & SONS, Ltd.

THE OXFORD AND CAMBRIDGE EDITION.

Gospel of St. Mark. By the Rev. F. MARSHALL, M.A. Maps of Palestine, Sea of Galilee, Jerusalem, Environs of Jerusalem, Temple; Special Introduction.

Acts of the Apostles. Part I, Chapters i-xvi. By the Rev. F. MARSHALL, M.A. Specially prepared for Students taking the first part of the Book. Complete for the purpose, with Geographical and Biographical Notes, Maps, and Introduction.

As You Like It. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo.

Henry V. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Maps and Genealogical Tables. 256 pp., Cr. 8vo.

Richard II. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Illustrations and Genealogical Tables. 232 pp., Cr. 8vo.

— READERS. —

Gods and Heroes; or, Greek Fairy Tales. By P. C. SANDS, M.A., late Fellow of St. John's College, Cambridge. This is a reader intended for use in the Lower Forms of Schools. It gives a splendid initiation into the stories of ancient Greek mythology. Cr. 8vo, 128 pp., Cloth, 1s. 3d.

La Guerre, A.D. 1914. With notes on idiomatic phrases, by TAYLOR DYSON, M.A. A selection of leading articles on the Great War taken from the French and Belgian newspapers and arranged as a book for French Unprepared Translation for Middle and Upper Forms. Cr. 8vo, 128 pp., 1s. 3d.

La Guerre, Vol. II. A sequel to La Guerre, A.D. 1914. By TAYLOR DYSON, M.A. 1s. 3d.

ATLAS AND NOTES ON EUROPEAN HISTORY.

From the time of DIOCLETIAN to the outbreak of the GREAT WAR, 1914.

By HARTLEY FUDGE, M.A. 1s. 6d.

"The book consists of 36 Coloured Maps, not too full of names, and 104 pages of Notes, so called, which, however, practically form a précis of the history of Europe, from Diocletian to the Congress of Vienna. The author then carries forward history to the outbreak of the present War, by dealing separately, but still chronologically, and ab initio, with the history of Poland, France and Alsace-Lorraine, Prussia and German unity, the Dual Monarchy, Ottoman Empire, the Near East, and the like. The whole forms a small reference book useful for History teaching."

Journal of the A.M.A., Dec., 1918.

"In the body of the book there are more than thirty maps which, for the clearness of their lettering, we have very seldom seen excelled. Taken as a series they enable us to trace without confusion, through the centuries, the various stages in the political development of Europe."

Irish School Weekly.

ARITHMETIC BY DECIMALS.

By E. PULLING, B.A.

A simple, concise School Course, 9d. With Answers, 1s.

COMPLETE LIST OF THE OXFORD AND CAMBRIDGE EDITION, AND EDUCATIONAL CATALOGUES, POST FREE.

London: GEORGE GILL & SONS, Ltd., 13 Warwick Lane, E.C.4.

**The Heads of
Public and Private Schools
requiring
ASSISTANT MASTERS,
ASSISTANT MISTRESSES,
LADY MATRONS, and
HOUSEKEEPERS**

are invited to communicate with Truman and Knightley, Ltd.,
who are in a position to introduce

**University and other qualified English and Foreign teachers, and
Experienced Matrons and Housekeepers,**

whose credentials and qualifications have already been investigated.

Principals are thus relieved of the expense of advertising and
the trouble and annoyance of preliminary negotiations.

No charge is made to Principals for the service rendered.

Please write giving full particulars of requirements, when only those
Candidates will be introduced who appear suitable for the particular
positions vacant.

Communications, when desired, are treated in strict confidence.

The distinguishing feature of this Agency is its personal service, its
intimate acquaintance with the requirements of Principals, and its
personal knowledge of candidates introduced.

*A special and confidential department deals with the
TRANSFER OF SCHOOLS, PARTNERSHIPS, &c.
Communications on these subjects should be addressed
to Mr. Truman personally, with whom interviews should
be arranged by appointment.*

TRUMAN & KNIGHTLEY Ltd

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

University Tutorial Press.

SELECTED :: EDUCATIONAL :: BOOKS.

Botany and Nature Study.

The Senior Botany. By FRANCIS CAVERS, D.Sc., Lecturer in Biology at Goldsmiths' College. Second Edition. **5s. 6d.**
A School course of Botany in which great stress is laid on outdoor and indoor observation and experiment.

Junior Botany. By FRANCIS CAVERS, D.Sc. **3s. 6d.**
Encourages observation and experiment on living plants, and the study of adaptation to environment.

Textbook of Botany. By J. M. LOWSON, M.A., B.Sc., F.L.S. **Fifth Edition, Revised and Enlarged. 3s. 6d.**
The standard of this book is that usually required for University Scholarships. The chief aims are simplicity and clearness of statement as regards both facts and principles.

A First Course in Plant and Animal Biology. By W. S. FURNEAUX. **2s. 9d.**
The object of this book is to provide young beginners with a course of Nature Study closely in touch with scientific methods.
The numerous illustrations are a special feature of this work.

Life Histories of Common Plants. By Dr. FRANCIS CAVERS. **4s.**
The greater portion of the work is devoted to detailed instructions for the study, by observation and experiment, of typical plants.

Practical Botany. By FRANCIS CAVERS, D.Sc. **Second Edition. 5s. 6d.**
In addition to the ordinary practical work this book also contains experiments on the Physiology of Plants and their response to external stimuli, and on the Chemistry of Plant substances.

School Gardening, with a Guide to Horticulture. By ALBERT HOSKING, Lecturer in Horticulture and Chief Supervisor of School Gardens, West of Scotland Agricultural College. **3s. 6d.**
This book affords teachers sound guidance in the correct methods of teaching this subject and of organizing the classes.

Languages and History.

Junior English Grammar, with Parsing and Analysis. By A. M. WALMSLEY, M.A. **Second Edition. 2s.**
Based mainly on inductive methods. The recommendations of the Joint Committee on Grammatical Terminology have been completely adopted throughout.

The Matriculation English Course. By W. H. LOW, M.A., and JOHN BRIGGS, M.A. **Third Edition. 4s. 6d.**
A graduated course in English grammar, composition, and précis-writing.

An Anthology of English Verse. For use in Schools and Colleges. By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. **3s. 6d.**
A selection of the best in all branches of English poetry except the dramatic, from Wyatt to Swinburne.

The Tutorial History of English Literature. By A. J. WYATT, M.A. **Third Edition, continued to the present time. 3s. 6d.**
Attention is devoted to the important aspects of the work of the chief English authors, while tracing the development of our literature.

A Social History of England. By FREDERICK BRADSHAW, D.Sc., M.A. **5s.**
An elementary account suitable for use in the upper forms in schools of the social and economic development of England.

Textbook of Geography. By G. C. FRY, M.Sc. **5s. 6d.**
For use in middle and upper forms. Stress is laid on the interconnexion of Physical, Political, and Economic Geography.

New Junior French Course. By G. A. ROBERTS, M.A. **3s. 6d.**
A year's course in Reading, Grammar, and Translation into French, with material for oral practice, for use in the junior and middle forms of schools.

Direct French Course. By H. J. CHAYTOR, M.A., Head Master of Plymouth College. Illustrated. **2s.** With Vocabulary, **2s. 9d.**
This book is designed for use by pupils of 12 or 13 years of age who are commencing the study of French.

Matriculation French Essays. By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A., Examiner in the University of London. **2s.**
A carefully graduated course in Free Composition in French.

Education.

Principles and Methods of Teaching. By JAMES WELTON, D.Lit., M.A., late Professor of Education in the University of Leeds. **Second Edition, Revised and Enlarged. 7s. 6d.**

In this work the treatment is theoretical in the sense of setting forth a consistent body of doctrine. But that the principles and methods here set forth are practical has been proved by the successful working of them in school.

Teaching: Its Nature and Varieties. By BENJAMIN DUMVILLE, M.A., F.C.P., late Master of Method and Lecturer on Education in the Islington Day Training College. **5s. 6d.**

An analysis of the processes of teaching as they occur in all subjects. The author examines the nature of the teaching itself, showing why certain methods should be employed.

Principles and Methods of Moral Training, with Special Reference to School Discipline. By JAMES WELTON, D.Lit., M.A., and F. G. BLANDFORD, M.A., Lecturer in Education in the Cambridge University Training College. **4s. 6d.**

This work treats of the general nature of good character—duty, virtue, conscience; of the school as a moral community in which good character is developed, &c.

Psychology, Experimental, in relation to Education, An Introduction to. By C. W. VALENTINE, D.Phil., M.A. **3s. 6d.**

An Introductory Course in Experimental Psychology as applied to Education, for the use of Teachers and Students in Training Colleges.

Textbook of Hygiene for Teachers. By R. A. LYSTER, M.D., B.Sc., D.P.H., Medical Officer of Health for Hampshire. **6s. 6d.**
Meets all the requirements of the Board of Education Syllabuses for Teachers in Training and for the Teachers' Certificate, Section M.

School Organization. By S. E. BRAY, M.A., Inspector of Schools to the London County Council. With a Chapter on "The Place of the Elementary School in a National System of Education," by Sir J. H. VOXALL. **Second Edition. 4s.**

Mathematics and Physics.

The School Arithmetic. By W. P. WORKMAN, M.A., B.Sc. With or without Answers. **Second Edition. 4s. 6d.**
An edition of *The Tutorial Arithmetic*, in which portions dealing with the higher theory and over-difficult problems are omitted.

Rural Arithmetic. By A. G. RUSTON, B.A., B.Sc., Science Tutor in the Department of Agriculture in the University of Leeds. **4s. 6d.**
Specially suitable for use in secondary rural schools working under the schemes of the Boards of Education and Agriculture.

School Algebra. By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **7s.**
A course of Algebra as far as the binomial theorem for positive integral indices, suitable for upper forms.

Preliminary Geometry. By F. ROSENBERG, M.A., B.Sc. With or without Answers. **2s. 9d.**
This is a textbook for young learners beginning the study of Geometry between the ages of 11 and 13. From the beginning the author insists on the learner's reasoning from first principles. The language used throughout is simple.

The School Magnetism and Electricity. By R. H. JUDE, D.Sc., M.A. **4s. 6d.**
For use in the upper forms of secondary schools. Based on Potential and Potential Gradient.

Junior Experimental Science. By W. M. HOOTON, M.A., M.Sc., F.I.C. **Second Edition. 3s. 6d.**
A two years' course in Physics and Chemistry, which students may commence when about thirteen years of age.

A First Course in Mathematics for Technical Students. By P. J. HALER, B.Sc., A.M.I.Mech.E., A.I.E.E., and A. H. STUART, B.Sc. F.R.A.S. **2s.**
An easy course of Practical Mathematics, including Arithmetic, Mensuration, and Algebra.

A First Course in Engineering Science. By P. J. HALER, B.Sc., A.M.I.Mech.E., A.I.E.E., and A. H. STUART, B.Sc., F.R.A.S. **3s. 6d.**
Includes the elements of Applied Mechanics and Heat.

Complete Educational Catalogue, and Catalogue of Class Books for Secondary Schools, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

CONTENTS

	PAGE
OCCASIONAL NOTES	211
PERSONAL PARAGRAPHS	213
HOW AND WHERE TO HIRE GEOGRAPHICAL LANTERN SLIDES. BY L. BROOKS	214
THE KING AT WESTMINSTER SCHOOL	216
TOPICS AND EVENTS	216
FOREIGN AND DOMINION NOTES	217
CORRESPONDENCE	220
The League of Empire War Memorial; The Indian as an Examinee; Diet in Schools.	
BOOKS OF THE MONTH	220
DIRECTORY OF EDUCATIONAL ASSOCIATIONS. SUP- PLEMENTARY LIST	224
CONTINUATION SCHOOLS IN INDUSTRIAL AREAS	228
THE WIND CURRENTS OF THE WORLD	231
UNIVERSITIES AND SCHOOLS	233
PRIMARY SCHOOL NOTES	238
REVIEWS AND MINOR NOTICES	238
PRIZE COMPETITIONS	248

OCCASIONAL NOTES.

THE Board of Education apparently are still playing "the poor cat i' the adage" over the day continuation schools, "letting I dare not wait upon I would."

Are we to have
Day Continuation
Schools?

The President speaks here and writes there—as at Oxford the other day telling the University how all-pervasive the new movement will be; and as to the Mayor of Batley, commending the enterprise of those Local Authorities who are starting day continuation schools on a voluntary basis; but giving no indication of when he will follow them over the fence. Has he ever heard the story, we wonder, of the American orator whose glowing account of the good time coming was cut short by a hungry member of the crowd with the request, "You couldn't give it a date, mister"? It is an undignified performance this of underlining the indecision of one's own department! Were it not that the skill of the Administration and the resources of the Teaching Profession will be severely taxed in getting the new schools under weigh when the time arrives, we should be the less concerned that the game of "crabbing" the whole system, to which we alluded last month, should still be played so skilfully. The latest suggestion is that the hours of school attendance were fixed in relation to the hours of labour which then obtained. Eight hours in a fifty-two hour week, it is said, are a very different thing from eight hours in a week of forty-four or less, and quite important people profess themselves impressed by the argument. In what cloistral shade do these innocents dwell that they do not know that behind the demand for shorter hours is the driving fear of un-

employment? Is there no one who can tell the Prime Minister that here is one more sedative for unrestful labour, ready to his hand if he will but use it.

THE announcement of the appointed day (April 1) for Section 28 of the Education Act is one of those small occurrences which are pregnant with great consequences. The Board of Education must be furnished by July 1 with the name, address, and a short description of every school of which hitherto the State has had no cognizance. That is all. But it is the beginning of a census of the private schools of the country, and that must lead sooner rather than later to the determination of those which are efficient, and, for the matter of that—though later rather than sooner—to the termination of those which are not. Follow we the efficient schools: efficiency must confer a title to recognition, and the recognized will at least have the right to go about their lawful occasions unmolested, if they do not care to accept that modicum of public control which must be the price of a place in the national system. The road is as plain as the rhyme of "The House that Jack built"; and private-school masters who believe in themselves will not wait for July 1 before courting inspection by the Board of Education or by one of the Universities in order that their school's efficiency may be seen of men. Parents, unfortunately, are credulous folk in matters educational, but they will soon learn to distinguish between inspected and uninspected schools. Now that inspection is obtainable at the public expense, those schoolmasters who do not accept it will have no cause to complain when, in the general opinion, they are written off as inefficient.

SOME uncertainty seems to exist as to what should be done by existing teachers with reference to the Superannuation Act. Immediately after April 1, teachers who are in recognized service, and wish to withdraw from any present pension scheme so as to come under the Government scheme, should obtain from their school authorities—or, failing them, from the Board direct—two copies of a declaration of withdrawal. After filling up these copies, one should be sent to the Board of Education, and the other to the persons managing the old scheme, i.e. the school authorities. Any certificated teacher who does not wish to participate in the new Act should send notice to this effect to the Board of Education in the form given on page 4 of the "Rules and Orders." Secondly, all teachers in recognized service should write as soon as possible to the Board of Education giving a full account of all their previous service, and making their application for the recognition of service as qualifying service. Though there are no regulations on the point, it would also seem advisable that any applications for recognition of service as pensionable service, where any doubt exists, should be made at the same time. Finally, applications should be made to the Board for a form for the purpose of supplying evidence as to the state of health. This is solely in connexion with the death gratuity. Teachers over sixty on April 1 are not eligible for death gratuity, and those between fifty-five and sixty should make inquiries as to the medical examination compulsory in their case. At the time of writing no regulations have been made concerning the winding up of existing schemes. This matter is in the

hands of the Treasury, and there is some doubt as to the procedure with reference to existing endowment policies.

Educational Councils. MR. FISHER'S pilgrimage into the country after the introduction of his great Education Bill has led to an interesting experiment at York. At Mr. Fisher's meeting in that city, time did not allow of adequate discussion. A second meeting was therefore held, and out of that meeting has grown the idea and the realized fact of a permanent Educational Council. Each of the various educational bodies in the city is represented on the Council by one member, the Trades and Labour Council send eight, and there are various co-opted members known for their interest in educational questions. Meetings are held monthly, with the result that already some of the intricate problems raised by the Education Act have been, if not solved, at any rate honestly attacked, by persons able to bring wide varieties of information and judgment to the common stock. When one thinks of all the difficulties surrounding the establishment on sound lines of continuation schools, nursery schools, school camps, and so on, the wisdom of taking counsel is apparent. It is easy enough to "blunder in" and get something done; but there must be mutual understanding and agreement among possibly warring elements if what is done is to stand. We hope the example of York will be widely followed.

Oxford and Optional Greek. THE University of Oxford is to be congratulated on the decision arrived at that Greek is no longer to be a compulsory subject at Responsions, and, though the verdict was by no means unanimous, there is every reason to believe it will be endorsed by Convocation. The decision of Congregation may or may not be due to the memorial signed by Oxford head masters; but, as a matter of fact, the majority of the signatories are men who received a classical education, took a classical degree, and still believe in a classical education, but are unwilling that an obstacle shall remain in the path of a brilliant boy who knows no Greek. The older public schools will probably remain true to their traditions; but an increasing number of boys from modern secondary schools will win scholarships in mathematics, science, and modern languages, which will be augmented by grants from Local Education Authorities to enable the holders to attend a resident University, and it is highly desirable that they should come under the widening and refining influence which the older Universities alone are able to impart. Oxford does well to give way, and in doing so benefits herself as well as those to whom she makes the concession.

The School Medical Service. THE Bill for the establishment of a Ministry of Health has, by the Standing Committee of the House of Commons, been made to provide for the powers of the Board of Education, with respect to medical inspection and treatment, to be transferred to the new Ministry. This provision should not be allowed to pass without the most careful consideration. There is much to be said, no doubt, in favour of co-ordination—a word of great promise but small fulfilment—of the State services concerned with public health. We have viewed with some misgiving the gradual separation of the school medical service from the general administration of the Board of Edu-

cation, and we have scarcely been convinced that the policy of attempting to carry out the work under County Medical Officers of Health was wise. The service is of sufficient magnitude, and certainly of sufficient importance, to engage the wholtime attention and sympathy of a competent official directly under an Education Committee. But, at any rate, hitherto the Board of Education have been nominally responsible, and the Education authority in a position to control the local officials. By placing the schools under two Government departments difficulties may be created. The health and physical wellbeing of children cannot properly be separated from problems of mental development, school attendance, and employment. If the Ministry of Health are to deal effectually with one side of the child, it cannot ignore the other; and it may be doubted that it will be to the advantage of education for the schools to labour under dual departmental control.

School Attendance and Agriculture. THE Board of Education, it will be recognized, are justified in directing the attention of Local Education Authorities to the fact that the time has now come when exemptions from attendance at school, exceptionally allowed during the War for agricultural purposes, should be discontinued, and no further exemptions granted. In this view the Board of Agriculture concur. The shortage of labour on farms, and the necessity—at a certain period grave—of increasing food supplies, were good and sufficient reasons for releasing children of suitable age for seasonal labour on the land. But by-laws regulating school attendance have never been popular in rural districts, and the tendency to disregard them has been accentuated by the concessions made during the past three or four years. But the Board now rely upon Local Education Authorities "to resume the strict enforcement of the law," and farmers must therefore be prepared to forgo the advantages of what is usually a convenient and an invariably cheap source of casual labour. It is doubtful whether agricultural communities yet realize that before long no child will be available for employment until the end of the school term in which he attains the age of fourteen. When that fact is appreciated school-attendance by-laws will be less popular than ever.

Salaries of Teachers in Technical Institutions. THE most novel feature in the new L.C.C. salary scales for teachers in technical institutions is the valuable provision whereby selected members of the whole-time staffs of these institutions may be required, or allowed, to take six months' absence with pay not exceeding full salary, after each period of six years' satisfactory service, for the purpose of improving their industrial or commercial knowledge and experience. Arrangements of this type have been in operation for some years in certain American Universities with valuable results, but, so far as we know, this is the first time that an important English Education Authority has made definite provision along the lines just indicated. The salaries proposed in the new scale are similar to those paid in the L.C.C. secondary schools, whereas the technical institution teachers are definitely of opinion that, in view of their night teaching, their salaries should be appreciably higher than the secondary-school scales. The main features of the new scale are: (1) Full-time lecturers and assistant lecturers, with a

good honours degree or its equivalent, £150 to £400 for men (£450 in special cases) and £120 to £270 for women (£300 in special cases). (2) Heads of departments: men, £400 to £500, or £600 to £800; women, £300 to £400, or £400 to £600. (3) Part-time teachers, 15s. to 30s. per attendance. These scales, although a decided improvement upon present figures, are regarded by the teachers concerned as still too low, in view of the present high prices and the salaries offered by certain provincial Authorities. The general opinion in London technical schools is that the scale for qualified lecturers and assistant lecturers should be at least £200 to £500, and that of heads of departments £550 to £800.

THE Higher Education Committee of the London County Council have recommended a scheme whereby demobilized officers and men ordinarily resident in the London area may be trained as teachers. To get the benefit of the scheme, a man must be disabled, or, if not disabled, over twenty-five years of age. No definite educational qualification is laid down, but as the selection Committee is strong and representative, this important point will no doubt be well secured. There is to be "one year of organized academic study," ending with a corresponding internal examination, and one year of professional training as paid assistant under "organized supervision" in a selected elementary school, ending with a professional examination held by the Board. There is to be a short preliminary test in the schools to decide on general fitness, and from the commencement of this test until admission to a school for the year of professional training the student will receive a maintenance grant of £2 a week. During the year of training he will rank as a certificated teacher. We do not think that the normally trained teacher will object to the favourable terms offered to the disabled soldier desiring to enter the profession, provided the qualification for admission to the course is sufficiently high; but we would point out that for the success of the scheme a great deal depends upon the reality and thoroughness of the year of training. It must be definite *training*, not vaguely supervised practice.

THE industrial troubles that have succeeded so swiftly on the cessation of active hostilities may have their origin in the school. The children of the upper and lower classes in this country are educated in entirely different ways and by quite different types of teachers. Now in France, and to a less extent in the United States, there is only one type of school, to which all may go who are able to profit by the instruction. The fees are so moderate that they form no bar to the small shopkeeper sending his son to the same school as does the deputy or fashionable doctor. The consequence is that there is a greater unity in the State, to which the compulsory military training in France adds another reason. But in England the two classes of employers and employed rarely talk to one another frankly, and one of the consequences is that the mistress looks upon her maid as belonging to another race, and the master regards his workmen as so many "hands." Our public schools have come splendidly out of the War; but are we paying too high a price for their exclusiveness?

NOW that all civilization is represented at the Conference table at the Quai d'Orsay, is it not the moment for us to throw off our old insularity? The adoption of the metric system has been advocated for many years; the great argument against it has been that we should lose more trade with the United States than we should gain with other nations. But now it should not be impossible to persuade the States to make the change at the same time as we do. Then there is the question of decimal money; whether we take as our unit the pound sterling, the dollar, or the franc, we should save much time in a schoolboy's life, and more time in the life of every commercial man. Our soldiers have all become accustomed to the 24-hour clock; it simplifies every railway time-table, and could as easily be made compulsory in England as it has been in France and Italy. So could the Centigrade thermometer in place of our unscientific Fahrenheit. All these changes would need a few minutes' thought and a disturbance of old routine; but we ought not to be dissuaded from making them because some backwoodsmen tell us that our pound, our yard, and our ounce have made England what she is, and that, without them, the War would have been lost and our naval supremacy gone for ever.

Needed Reforms.

PERSONAL PARAGRAPHS.

THE news of Dr. Gow's resignation from the Head Master ship of Westminster School will be received with deep regret by all Old Westminsters. Dr. Gow was educated at King's College School and Trinity College, Cambridge. He was Third Classic and Chancellor's Medallist in 1875, and was elected a Fellow of Trinity in the following year. He obtained his degree of Litt.D. in 1885. Before his appointment to Westminster, in 1901, Dr. Gow was Head Master of the High School, Nottingham. He has presided at Westminster for eighteen years, and prosperity has been throughout the mark of his connexion with the school. Dr. Gow possesses the rare combination of gifted scholarship with business acumen and frank kindness of manner, and the record of his head mastership bears witness to its value. Versatile to an amazing degree, he has taught senior classes in almost every department of school work, and he has built up a great modern side in the ancient foundation. Beloved and esteemed by his pupils, who affectionately refer to him as "Jimmy," he will be remembered as the "war" Head Master who guided the school through great trouble, and preserved inviolate the great traditions of Westminster.

* * *

MR. R. TANNER, who has had "Grant's" house at Westminster for nearly thirty years, will retire at the same time as Dr. Gow, in July next. Mr. Tanner was educated at Sherborne and Pembroke College, Cambridge, obtaining a first-class in the Classical Tripos in 1880. His retirement will be regretted by generations of old pupils.

* * *

SIR OLIVER LODGE, who has been Principal of the University of Birmingham since its institution nineteen years ago, has announced his intention to retire at the end of the present session. He desires to devote the remainder of his life to the study of the æther of space, in both its physical and psychical relations. He is the last of the first triumvirate who were present at the birth of the University, and the Governors have accepted his resignation with regret, and placed on record that during nineteen years he has rendered

most distinguished service to the University, and given lustre to it by his great scientific attainments, broad sympathies, and independence of thought.

* * *

PROF. C. W. C. OMAN has been chosen as a candidate for the Oxford University by-election by Conservative and Unionist electors resident in Oxford. The vacancy has been caused by the election of Mr. R. E. Prothero to the peerage. Prof. Oman stands in the first rank of British scholars for knowledge of the political history of Europe, and of the geographical development of its modern States. He is keenly interested in education in all its forms, and a great advocate for the encouragement of research and the advancement of knowledge by every practicable measure.

* * *

LORD SYDENHAM has been elected President of the Association of Technical Institutions in succession to Sir Alfred Keogh. He is a worthy successor to a long list of famous presidents, including Lord Spencer, Lord Avebury, Sir John Wolfe-Barry, Sir John Gorst, Sir Horace Plunkett, and Sir Norman Lockyer.

* * *

DR. PEARCE, the new Bishop of Worcester, late Sub-Dean of Westminster, is the 106th of a distinguished line of prelates, including St. Dunstan, Julius de Medici, nephew of Pope Leo X, who himself became Pope Clement VII, Latimer the martyr, and John Gauden, the author of the "Eikon Basilike."

* * *

MRS. HOW MARTIN, formerly on the staff of Westfield College, has been elected to the Middlesex County Council for one of the Hendon electoral divisions. She is the first woman member on this Council. Mrs. Martin is an Associate of the Royal College of Science, and a B.Sc. London. She was a Parliamentary candidate at the recent election, but was not successful. During the last ten years she has taken an active interest in public affairs at Hendon, and she is an earnest advocate for the provision of further educational facilities for girls and women students and for the abolition of all sex inequalities.

* * *

MISS BROWN, Miss Wild, Mr. Blake, and Mr. Fleetwood, all members of the teaching profession, are among the successful candidates at Walthamstow in the election for the Essex County Council. A very interesting situation thus arises, Walthamstow being represented by four teacher candidates out of ten seats.

* * *

ALL members of the Assistant Mistresses' Association will bear with regret of the impending resignation of Miss K. Andrews from office. Formerly on the staff at Notting Hill High School—from which she retired in 1913, after over thirty years' service—Miss Andrews has been a member of the Association since its foundation in 1884. She held the position of Hon. Treasurer from 1898 to 1910, and has been General Secretary since 1911. With her intimate knowledge of the Association, and her unrivalled experience in educational matters, she has been able to do invaluable work for the Association and for assistant mistresses. For many years she has constantly represented the A.A.M. on other educational bodies, and loss of her presence and influence will be deeply felt.

* * *

THE REV. F. A. HIBBERT is resigning the Head Mastership of Denstone. A former pupil of Denstone himself, Mr. Hibbert returned to his old school after his residence at Cambridge, and once more returned as Head Master after a brief tenure of the same office at Worksop. He has thus been associated from early boyhood with schools of the Woodard Foundation. He has raised Denstone to a pitch of prosperity never before attained. He will find ample scope for his energy in the parish of Lilley (Herts) to which he has been presented by his College (St. John's) at Cambridge.

To Mr. Hibbert will succeed the Rev. A. R. MacGregor Grier, the Head Master of Bloxham, also a Denstonian from early boyhood, and he also having a record of continuous service with the Woodard Foundation. Formerly Head of Worksop, he has been at Bloxham since 1915.

* * *

THE REV. F. H. GEORGE, Head Master of King's College, Taunton, has been appointed Head Master of Bloxham School. Mr. George, who was educated at Great Yarmouth Grammar School and Jesus College, Cambridge, graduated with a Second Class in the Classical Tripos in 1893, and has had teaching experience at Berkhamsted and Hurstpierpoint.

* * *

THE death is announced of the Rev. William Chetwynd-Stapylton, Honorary Canon of Rochester. In his younger days the Canon was one of the keenest of oarsmen. He was a prominent wet-bob at Eton, and rowed bow in the eight against Westminster in 1842 and 1843. He was the senior survivor of the early Oxford and Cambridge boat races, in which he rowed for Oxford in 1845 and 1846, and he acted as Hon. Secretary of the University Boat Club from 1845 to 1847.

* * *

THE REV. E. C. PHYTHIAN-ADAMS, whose death is reported at Bexhill in his ninety-second year, was a distinguished Oxford scholar, with many interesting associations with notable men of the past century. He graduated from Worcester College in 1851, and during the following twelve years became Fellow, Dean, Lecturer in Divinity, and Chaplain of his College. He then took up coaching at St. Leonards, the Right Hon. Walter Long, M.P., being numbered among his many notable pupils. He was formerly a member of the Bexhill Urban District Council, and assisted the late Earl De La Warr in the development of Bexhill as a watering place. He was the author of the successful romance, "The Bow and the Sword."

ONLOOKER.

HOW AND WHERE TO HIRE GEOGRAPHICAL LANTERN SLIDES.

By L. BROOKS.

IT is pleasing to know that the use of the lantern in school teaching is spreading rapidly, especially, and naturally so, in the teaching of geography. Many teachers find much difficulty in obtaining suitable slides, and the present article aims at giving such information of the chief sources from which help in this direction may be obtained as will be of value to teachers of geography. It does not pretend to be complete. In fact, it is confined to those sources which the writer has himself used, and has found to be trustworthy.

1. *London County Council's Collection*.—These slides may be hired for use in any London elementary or secondary—aided or maintained—school. In certain cases the privilege may be extended to other London schools. There is no charge whatever, either for hire or carriage, not even for return carriage fees. All particulars of the scheme may be obtained of the Chief Officer of Stores, 31 Clerkenwell Close, E.C.1. Of a total collection exceeding 35,000 slides, about half may be described as being geographical. There is a great unevenness of value, but some sets are exceedingly good. During the War the lending scheme has been largely in abeyance owing to the impossibility of securing supplies of oxygen, which appears to be more extensively used in London schools than electricity. Advantage has been taken of the suspension of the scheme to overhaul the whole collection thoroughly, and to devise methods whereby the needs of individual schools may be met. No London geography teacher should neglect this source of supply.

2. *Royal Geographical Society*.—This society has prob-

ably the finest set of geographical slides in the world. The majority, having been prepared from photographs taken by explorers, are quite unique and are unobtainable elsewhere. Unfortunately, except in special circumstances, they can only be borrowed by Fellows, but so many geography teachers, both men and women, are now Fellows, that the existence of the collection is worth mentioning. The hiring fee is 2s. per dozen.

3. *The Diagram Company*, 27 Montagu Road, Wimbledon, S.W.19.—The slides of this Company, which was originally founded by two expert teachers of geography, are justly famous, especially the coloured relief maps and slides showing various geographical distributions. The Diagram Company has a greater collection of slides of this kind—as opposed to views—than any other firm or society. The whole collection is designed especially to meet the needs of modern geographical teaching. During the War the loan department has not been in operation, but will be revived in the near future. The hiring fee is 2d. per slide per week. A reduction is obtained by joining a subscription lending library. The making and the sale of slides are also prominent activities of the Company. A discount of 10 per cent. is allowed to all schools, and 15 per cent. to members of the Geographical Association.

4. *Newton & Co.*—This firm is perhaps the widest known of all. The hiring fee is 2s. per dozen for the first day (plus war advance of 3d. per dozen), but special terms are made for slides hired for educational purposes as well as to subscribers to the firm's lending library of slides. The collection is exceedingly large, and contains views of all parts of the world, as well as several features of particular interest. For example, for the teaching of physical geography there is a set selected and arranged by Mr. Mackinder for the Oxford University Extension Board, and another and larger set, arranged by a committee of London teachers. Besides these, the illustrations in Mr. Mackinder's well known book, "Britain and British Seas," can also be purchased as lantern slides. But the finest sets of geographical slides issued by Newton's are those arranged by the Visual Instruction Committee of the Colonial Office. These should be known by all teachers of geography. In connexion with these slides the following six complete courses of lectures have been issued, and can be purchased or hired at low prices:—(a) The United Kingdom (7 lectures by Mr. Mackinder); (b) India (8 lectures by Mr. Mackinder); (c) The Sea Route to the East (6 lectures by Prof. Sargent); (d) Australasia (8 lectures by Prof. Sargent); (e) Canada and Newfoundland (7 lectures by Prof. Sargent); (f) South Africa (7 lectures by Prof. Sargent). A set on the West Indies is in preparation. The fees for hiring or purchasing these slides can be had on application. The writer knows a secondary school in Liverpool whose Geography Master was so determined to possess, not merely to hire, some of these sets, that he gave a series of evening lectures illustrated by the slides, and purchased the latter by the money charged for the tickets of admission sold to parents and friends by his pupils. In this way he obtained the six sets, "The Sea Route to the East." It is an idea which other teachers would probably like to imitate. The slides illustrating a lecture must be hired as a whole, the fee being 10s. for the first evening. They may be obtained either partly coloured and partly plain, or wholly plain except the maps. Separate slides may be selected and purchased in batches of not less than two dozen. Newton & Co., 37 King Street, Covent Garden, W.C.2, are also the sole agents for the sale of the slides of the Diagram Company.

5. *Mr. E. G. Wood*, 2 Queen Street, Cheapside, E.C.4.—Mr. Wood has a large assortment of view slides of all parts of the world, as well as numerous sets showing the processes of different industries, and depicting scenes from the Great War. The hiring fees are more moderate than those of many firms, being 1s. per dozen (for first day) for slides in sets, and 1s. 6d. per dozen for a selection from various sets (both plus a war increase of 3d. per dozen from June 1918 until further notice). Slides are loaned at reduced rates by payment to a subscription scheme.

6. *Mr. H. Luscombe Toms*, 52 Queen Victoria Street,

E.C.1.—Mr. Toms's selection of geographical slides is not so extensive as those mentioned above, but it is representative, and contains slides of most of the regions of the world. The hiring fees are: for 50 slides in sets (for first day), 3s.; under or above 50 slides, 9d. per dozen; slides selected from sets, 1s. per dozen. These rates are still less to members of a subscription scheme.

7. *Flatters & Garnett, Ltd.*, 309 Oxford Road, Manchester.—This firm has a large general selection of slides, which is particularly strong on the zoological and biological side. There are very good sets illustrating British plant associations, and also some showing the cultivation and manufacture of cotton. There are also some excellent sets of geological maps, diagrams, sections, and photographs, including a large number showing typical British regions—e.g. mountain limestone areas. The ordinary hiring fees (1s. 6d. per dozen per evening) may be reduced by joining a subscription loan library.

8. *Miscellaneous Sources.*—There are many sources from which slides may be hired, usually without cost, for educational purposes. The following are a few examples; others are mentioned from time to time in the educational and other papers.

(a) *Railway Companies.*—The Midland, London, & North-Western, Great Central, North-Eastern, and other companies have sets of slides which can be hired by schools on application to the advertising departments of the respective lines. London teachers will find these slides included in the L.C.C. collection. Some colonial lines, e.g. Canadian Northern and Canadian Pacific, also hire slides through their London offices.

(b) *Colonial Governments.*—Occasionally colonial governments announce that slides may be hired, but no particulars of these are available at present.

(c) *Missionary Societies.*—Most missionary societies possess sets of slides which are either lent free or hired at a small charge. Teachers should write and find out particulars for themselves.

(d) *Newspapers.*—Frequently newspaper proprietors make announcements regarding the loan of slides, e.g. the *Daily Chronicle* used to lend a good set showing the production of a modern newspaper from forest to book-stall.

(e) *Propagandist Movements.*—Notices of slides lent by societies coming under this heading are constantly appearing in the daily and other papers, e.g. the Armenian question, the French claim to Alsace-Lorraine, &c.

After all, each school should try to get its own collection. Hiring slides is not only expensive, but annoying from the teacher's point of view, for what is needed is not to give lessons entirely composed of the exhibition of slides, but to aim at making provision so that the geography classroom can be rapidly darkened and a few carefully selected slides shown just where demanded by the lesson. When slides must be shown and returned immediately after exhibition they lose a great deal of their value. It is particularly annoying not to be able to correct any wrong impression, or to refer to a point which has not been appreciated, because the slides have been sent back; besides, it frequently occurs that the very slide or slides most needed are out of stock. It is surprising how soon quite a large and satisfactory collection can be got together in the course of time by making a point of buying a few each term. A small order easily passes the powers that be, but a large demand all at once tends to frighten. If the school possesses a camera club, the geography teacher would do well to seek its aid. Many geography teachers have found the help of such a club to be invaluable in increasing their collection.

Finally, it is frequently possible for a group of schools to co-operate. This has been done with success both in London and the provinces. Catalogues of slides possessed by each school entering the exchange are drawn up and circulated. It is almost always possible when slides are lent by one school to another to get at the same time a set in exchange. When it is possible to deliver by hand, there is little fear of breakages,

whilst the cost is negligible. Moreover, teachers who thus combine have the advantage of retaining slides at least for several days. It would be very useful if the various branches of the Geographical Association could arrange some such scheme of exchange either for the whole of the schools represented in the branch, or, if the area is too large, for smaller groups within the branch.

THE KING AT WESTMINSTER SCHOOL.

THE interest which their Majesties the King and Queen have always taken in education was shown by their visit on Shrove Tuesday to Westminster School to witness the ancient custom of "Tossing the Pancake." The origin of this curious custom is quite unknown, but it can hardly be later than Tudor times. Their Majesties, who were accompanied by the Prince of Wales and Prince Albert, were received by the Dean of Westminster and the Head Master (Dr. Gow) and conducted to the great schoolroom. Here were drawn up the Guard of Honour of the school O.T.C. which was inspected by the King, who, with characteristic thoughtfulness, had specially desired that owing to the inclement weather they should be under cover.

Their Majesties having taken up their position, the College Cook entered bearing the pancake preceded by the Beadle with the Silver Mace. The pancake was then "tossed" with the customary ceremonial over the bar—which stretches across the School at a height of some 20ft. from the ground—and fell just in front of the King and Queen. An excellent "greaze" (as it is called) ensued, which was watched with evident amusement and interest by their Majesties and the Princes. The winner, D. Moonan, a King's Scholar, was duly presented with the customary guinea by the Dean and also an additional guinea by the King. Afterwards the Masters and Head Boys were presented, and the King commanded an "early play" (whole holiday) to mark his visit.

Their Majesties then inspected Ashburnham House, the Library, and the Busby Library, and, after signing the Visitors' Book in the Head Master's house, drove away amid great enthusiasm, the boys escorting the carriages to the gates of Deans Yard.

As a Royal Foundation, Westminster has on many previous occasions been honoured with Royal Visits. Queen Elizabeth frequently visited the School. In 1564, for instance, she came to the Latin Play, and it is recorded that the authorities provided at a cost of xis. "one Plautus geuen to ye Queenes Majestie and fowre other unto the nobilitie" and also at the more modest cost of xiid. "butterd beere for ye children being horse" after their exertions. Charles II also visited the School and gave the chair which, it is interesting to note, was used by Queen Mary on Shrove Tuesday.

The present Head Master reminded the King of the story connected with Charles II's visit, for it was on this occasion that the great Dr. Busby kept his hat on in the Royal Presence, explaining that he could not allow his boys to think there was anyone greater than himself in his own School. King George at once smilingly suggested that Dr. Gow should follow Busby's example. It would appear, therefore, that Lord Kingsale, who claims the privilege of remaining covered in the King's presence, is likely to have a formidable rival in the Head Master of Westminster School.

BRITISH PSYCHOLOGICAL SOCIETY.—At a special general meeting of the British Psychological Society, held in London on February 19, it was unanimously resolved that persons interested (instead of, as heretofore, engaged) in the various branches of psychology shall be eligible for membership. It was also decided to institute three special sections of the Society, devoted to the educational, industrial, and medical aspects of psychology respectively. Further particulars may be obtained from the Hon. Secretary of the British Psychological Society, The Psychological Laboratory, University College, W.C.1.

TOPICS AND EVENTS.

TRAINING IN ENGINEERING.—The Engineering Training Organization was founded in October, 1917, at a meeting of engineers and educationists held at the Institution of Civil Engineers. The central organization is representative of the principal engineering institutions and educational associations throughout the country, with Messrs. A. E. Berriman, of the Daimler Company, and A. P. M. Fleming, of the British Westinghouse Company, as honorary organizers. Among its functions is the important one of advising parents and boys regarding the obtaining of a proper engineering training, and to provide a channel for the co-ordination of the educational interests of the various branches of engineering. There are many different ways of entering the engineering profession, and the value of the works apprenticeship depends in a great measure upon the system in vogue at the particular works selected. Schoolmasters who are not in close touch with the engineering profession, and who are often called upon to advise pupils finishing their secondary-school course, should communicate with the temporary office of the organization. Inquiries should be addressed to Mr. A. E. Berriman, Daimler Works, Coventry. The organization supports many reforms which will make for a better apprenticeship training, including apprentice-masters responsible for keeping proper records for each boy. This is most important, and those works which have adopted this plan offer a much more systematic training. The organization proposes to ascertain to what extent it could assist schools to secure engineering privileges for the more able boys by opening a register, and, if there is a demand for such assistance, engineering firms will be invited to enter their names on a corresponding list as an indication of their willingness to receive suitable boys as pupils. The organization has very strong backing, and should play a most important part when it gets fully settled down to work.

THE PROFESSIONAL WORKERS' FEDERATION.—This Federation, which was established in May last, now comprises a number of professional bodies, including the National Union of Teachers, Incorporated Association of Assistant Masters, Customs and Excise Federation, Second Division Clerks' Association, Association of Assistant Mistresses, and others, representing in all some 174,000 workers who have never before been organized jointly to protect their special interests as citizens. Experience has already shown the value of the Federation in providing a common meeting ground for these workers, and it has therefore been decided to open the organization to individual, professional, technical, or clerical workers by the formation of an Individual Members' Section. The Federation is directing particular attention to the question of the reform of the Income Tax, and is urging the Chancellor of the Exchequer to receive at an early date a deputation in support of its policy. It should be emphasized that the Federation is not attached to any political party, and that men and women of all shades of opinion join actively in its work. Requests for information should be addressed to the honorary secretary, Mr. F. H. Norman, 49 Bedford Street, W.C.2.

NATIONAL ASSOCIATION OF EDUCATION OFFICERS.—The Association of Education Officers has issued a memorandum summarizing their views of what the status and emoluments of chief education officers should be. The memorandum states that the work of the chief education officer is great in magnitude and far-reaching in character, and the new Education Act will substantially increase the work of the officer, both in quantity and importance. Education is the most important of all the activities entrusted to Local Government bodies, and the post of chief education officer can be filled satisfactorily only by persons of outstanding ability and suitable experience, the importance and responsibility of whose position should be recognized adequately. The chief education officer should be the responsible head of the whole educational and administrative organization, and his duties should comprise whatever may be necessary for the efficient fulfilment of his position. The minimum salary of a chief education officer devoting the whole of his time to the work in a non-county borough or urban district should, it is stated, not be less than £600. The minimum salary in a county borough should not be less than £800. The following minimum scale is suggested for the guidance of members and committees:—(a) Non-county boroughs and urban districts up to 50,000, £600 to £800; (b) non-county boroughs and urban districts above 50,000, and county boroughs between 50,000 and 100,000, £800 to £1,000; (c) county boroughs between 100,000 and 200,000, £1,000 to £1,250; (d) county boroughs between 200,000 and 400,000, £1,250 to £1,500; (e) county boroughs over 400,000, £1,500 to £2,000.

SCIENCE IN SCHOOL AND UNIVERSITY.—A meeting of the Yorkshire Natural Science Association was held in Bradford on February 22, to consider "The Relation between School and University Teaching of Science." The chair was taken by Dr. Wager. In opening the discussion Mr. Arthur Thornton, Bridlington, stated that there was no relation between school and University teaching of science; boys, well prepared in school both in the method and substance of science, were obliged to cover much the same ground during their first year's work at the University, with the result that their interest in science waned, and their power of work deteriorated. He considered that the institution by the Board of Education of Advanced Courses in schools for boys between the ages of sixteen and eighteen would increase this overlapping, and that the Universities should recognize that boys taking these courses were able to reach the standard required for intermediate examinations of modern Universities, and should organize their first year's work accordingly. Miss R. F. Shove, Leeds University, stated that girls often entered on University science courses when insufficiently prepared, and that this lack of preparation was apparent in their work in physics and chemistry. Girls proposing to take up a science course should remain at school for two years after matriculating. It would be well if Universities insisted on physics or chemistry being a compulsory subject in this examination for all intending science students. It was doubtful whether the advanced courses in science in girls' schools should reach Intermediate standard in all the subjects studied, for girls developed rapidly between the ages of sixteen and eighteen; pressure and overstrain were inadvisable, and the curriculum should also include humanistic study. Co-operation between Universities and schools would be rendered possible by the formation of Joint Consultative Committees, on which both bodies were represented. Dr. Dufton pointed out that there was a difference between school work done under supervision by small groups of pupils taking post-Matriculation Advanced Courses, and University methods of study, where large numbers of students were grouped together and less individual help given. He recommended the differential treatment of students, and the formation of groups for work of varying standards. Mr. Sadler, Bradford, discussed the relation between school and University teaching so far as physics was concerned; this was a subject which could only be handled effectively by a physics specialist, and of which the study should be accompanied by the study of mathematics; if boys attained Intermediate standard in physics at school they should be allowed to take advanced work during their first year at the University, and thus have two terms available for research work. At the end of the discussion a letter was read from Lt.-Col. Prof. A. Smithells, who put forward the view that some overlapping between school and University work was desirable, and that no school work could be a satisfactory substitute for the training in the elements of his subject given to a first year student by a University professor.

BRITISH SCIENTIFIC PRODUCTS EXHIBITION, 1919.—The King has graciously consented to act as President of the British Scientific Products Exhibition, 1919, which will be held at the Central Hall, Westminster, during the month of July. The President of the exhibition is the Marquess of Crewe, K.G., and Prof. R. A. Gregory is Chairman of the Organizing Committee. The British Science Guild has been encouraged to organize this exhibition by the success which attended that held at King's College last summer and the more recent exhibition at Manchester. Now that many inventions can be shown which could not be put before the public during the War, there is every prospect that this year's exhibition will be even more successful than its predecessors. The objects of the exhibition will be to illustrate recent progress in British science and invention, and to help the establishment and development of new British industries. The exhibition will include sections dealing with chemistry, metallurgy, physics, agriculture and foods, mechanical and electrical engineering, education, paper, and illustration, medicine and surgery, fuels, aircraft, and textiles.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—The annual examinations for a Faraday Scholarship of fifty guineas per annum, tenable for two years in college and one year in manufacturing works, and for a Maxwell Scholarship of fifty guineas per annum tenable for one year in college and one year in works, will be held at Faraday House on April 15 to 17. The subjects of examination for the Faraday Scholarship are geometry, algebra, trigonometry, dynamics, statics and hydrostatics, geometrical and freehand drawing, chemistry and physics. For the Maxwell Scholarship, the subjects are mathematics, dynamics, statics and hydrostatics. Particulars can be obtained from the Secretary, Faraday House, Southampton Row, London, W.C.1.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

We recognize fully—have we not often said so?—the high aims and fair promise of the Education Act as a whole. But the more we examine the proposals in Section 10, read in conjunction with Sections 3 and 52, the less we like them. To introduce obligatory continuation the Board of Education is empowered to appoint a day, and the day may be the same for all areas or different "for different areas or parts of areas." Now, if the same day is to be appointed, why, in the name of Levana, should not the Legislature take the responsibility of appointing it? If different days are named, great difficulties will arise. The selfish and purblind opposition that showed itself in the House of Commons will be transferred to the local areas, and it will be strong in proportion to the charge that falls on the local purse. Foolish parents will seek migratorily some unproclaimed place for residence. And will not the "young persons" who have passed their fourteenth birthday in an unproclaimed area claim exemption in all areas, and higher wages than those who are bound to the school? Requesting again that the amendment of Section 10 in England should be considered with all due speed, we turn to the United States. Careful not to mislead our readers, we state frankly that the great American educational journals do not reveal any general demand for that obligatory continuation which we are asking Mr. Fisher to give England. It is the working men that grow clamorous. Thus, when the Convention of the Illinois State Federation of Labour met at Bloomington last December, its Committee on Education urged "the necessity of the enactment in Illinois of legislation establishing compulsory continuation schools for children after they leave school up to eighteen years of age, sessions aggregating not less than eight hours a week, to be held between 8 a.m. and 5 p.m., Saturdays excepted." (*American Teacher*, VIII, 1.) So Labour has pronounced itself as we have reported, in the State of New York; and it has spoken with the same voice in Pennsylvania and Wisconsin. To such utterances of Labour it is not wise to be deaf.

Like many other academies, Columbia University in 1918 felt the War in its coffers; the effect, we doubt not, will be transient. It is a sign of the times that the building called Deutsches Haus, which was given to the University in 1910 to serve as a centre for the study of German history and civilization, has been devoted—with the full consent of the donor—to work in connexion with the Americanization of adult aliens, and has now received the name, Columbia House. To encourage graduate studies the authorities contemplate a certain relaxation of old administrative rules; whilst a special Advisory Committee on Research will pass judgment on proposals for investigations that require financial support. We draw these facts from President Butler's Annual Report. It is statesmanlike in tone and full of wisdom, not to be distilled into a paragraph. We commend to particular attention the section in which the President deals with the University as a centre of international influence; for if the New World is to be founded on a common respect for law and justice, the principles of law and justice must be prominent among the things that all Universities are prepared to learn and teach. They are the same on the Rhine as on the Mississippi.

The War has not meant nothing but loss for the United States. President Butler, in the Report with which the preceding paragraph deals, indicates a gain. We beg our readers to weigh his words and to ask themselves whether we in England have reaped with quite the same result. "The War has brought back to the American people, and in some degree to the schools and colleges, the spirit of discipline which had been almost lost. The sentimental imitations of philosophy which have been spread out before teachers for a generation past have decried discipline as something unnatural, abhorrent, and to be avoided. With an innocence which is hardly pardonable so long after Rousseau lived and wrote, the natural longings and instincts of the infant have been exalted as the sole guide for his development of mind and character. The world of human experience was to be put aside and a world of the ego substituted for it. In the easy-going days of peace, when the nation was called upon for no particular effort, the evil efforts of this lackadaisical theory were not generally understood, and indeed might not have been fully apparent for years to come. The moment that the nation was called upon to make an effort, however, to adjust itself to a new and grave responsibility, and to summon all its powers in order to give adequate support to its ideals, then it appeared that discipline must be sought out in its hiding places and

quickly installed in a place of honour. The good effect was instantaneous, and those who were disciplined themselves realize the benefit of their new experience and are loath to surrender it."

Personal. Dr. Basil Lanneau Gildersleeve, Honorary Francis White Professor of Greek at Johns Hopkins University, who graduated at Princeton so long ago as 1849, contributes his "Brief Mention" (after silence for one number) to No. 156 of the *American Journal of Philology*. Henceforth the Johns Hopkins Press will take over from him responsibility for the publication of the *Journal*. Not to be matched easily is the record of his activity and service. Johns Hopkins University sustained a grievous loss, December 6, 1918, by the death, at the age of fifty-six, of Kirby Flower Smith, Professor of Latin in the University.—At Columbia University seven professors or assistant professors passed away last year. Dr. Herbert L. Osgood, Professor of History, was notable among them. Since Prof. George W. Botsford, the well known author of "A History of the Ancient World," died on December 13, 1917, the Department of History at Columbia has suffered two heavy blows in quick succession.

FRANCE.

Educational opinion in France is in a state of flux. Here you will find Vocationalism exalted; there an important body, the Société générale d'éducation et d'enseignement, sees the salvation of France in a return to the old classical learning. Only as to the secondary education of girls is there some crystallization of thought apparent. The extra-parliamentary Commission on the Education of Women, after being at work for two years, has reported. It is for the maintenance (without sanction) of the existing *diplôme* and the institution of a *baccalauréat* reserved for girls. These administrative details have little interest for us. We allow ourselves to join France, however, in mourning the death (on January 24) of M. Camille Sée, the founder of public secondary education for girls, who realized for the women of France a culture beyond any of which Fénelon dreamed. Joint sorrow attended also the death (February 16) of Miss Edith Williams, who founded the International Guild.

About Martial Toys. It has been proposed in England, and it has been proposed in France, to banish from the child's playroom martial toys—mimic guns, lead soldiers, and so forth. M. Emile Vuillermoz lately suggested in the *Temps* that Germany, in the treaty of peace, should undertake to close the factories at Nürnberg, where the pygmies and their artillery are produced. One workshop there has thrown, it is said, a hundred millions of lead soldiers on the markets of the world, and one woman in it can turn out a thousand of them in a day. The tiny warriors, with their distinctive accoutrements and insignia of rank, have been the joy of childhood for centuries; yet they should go if they make for bloodthirstiness. They do not in all cases. There are children who can live in a wild dream-world—in a land of faerie—with the most murderous properties, and keep their young souls unscathed. You will find, we think, that many a bishop, when a boy, has wallowed in piracy, without having ever been really tempted to hoist the Jolly Roger and sail for the Spanish Main. Children differ fundamentally, and no doctrine has worked so perniciously in education as that which represents them as all alike by nature, and various only by reason of environment and training.

COLOMBIA.

South America is drawing to itself the attention of the North; for the United States desires trade with it, and to supply it with the engineers and craftsmen by whom its resources may be developed. In high schools, in business schools, in colleges, Spanish, a key language to the gates of commerce, is being studied by young men and women. Colombia, the State adjacent to the Panama Canal, supplied the matter of an Exhibition held first at Newark, New Jersey, then at New York. An excellent pamphlet written to illumine the Exhibition tells us about the history, physical features, and domestic architecture of the country, and about education this:—"Most of the Colombian teachers in the past have been priests and nuns, for the Roman Catholic church is almost the only one in the country; but the Government has lately started normal schools to train teachers, also schools of farming, engineering, and mining. Many young Colombians have been sent to school in the United States, and more will follow them." With better education and good government the Land of the Gilded Man (*El Dorado*), who, as the early Spanish adventurers heard, washed the gold from his skin by plunging into a lake, may hope for a future as prosperous as its past was storied and sad.

INDIA.

The Report on Education in the Punjab during the year 1917-18 tells us that, as in recent years, the War hampered the rapid expansion of education which might otherwise have been counted upon. But there was no real set-back. The number of students in arts and professional colleges showed a steady increase, in secondary schools there was a slight gain, while the small falling off in pupils in primary schools was probably due as much to an unhealthy season in which plague and malaria were unusually prevalent as to the direct effects of the War. The Government in no way reduced its expenditure on education, the total charges for which, indeed, rose from 109 to 115 lakhs. Much discussion on education marked the year, and a Compulsory Education Bill was submitted to public criticism. The vernacular was adopted as the medium of instruction in the middle departments of Anglo-vernacular schools for all subjects except English.

Of its Girls. A slight increase in the number of schools for Indian girls was not accompanied by a corresponding increase in the attendance. Much remains to be done for the education of women in the Punjab. The only collegiate institution is the Kinnaird College, with four full-time and three half-time or occasional lecturers. Five-sixths of the girls under instruction in 1917-18 were at the primary stage, the teachers being as a rule not competent to carry them further. For the few (1,551) girls receiving secondary education there were well equipped schools taught by qualified teachers; but playgrounds were few and appliances for physical training rarely available. Indian girls need, no less than boys, an abundant supply of balls, skipping ropes, and swings.

QUEENSLAND.

The first rural school to be established in Queensland was opened January 30, 1917, at Nambour. By the end of the year it had drawn 337 pupils from the farming and fruit-growing districts about it, some of them conveyed by rail at the cost of the Education Department. The chief object of the school is to give some knowledge of those manual arts which are most useful in rural life. Queensland is looking at Vocationalism with interest and probing it, as only it can be probed serviceably, by practice.

NEW SOUTH WALES.

Nature Study. Education in New South Wales gives a front place to native study. The State has a "Bird Day." The Gould League of Bird Lovers, with branches in many communities and a desire to have them in all, seeks to protect the innoxious birds, to secure uniformity in the naming of birds, and to promote friendship and love towards them. A "Bird-Life Supplement" to the *Education Gazette* (xii, 10) publishes, amid much bright matter, the awards of prizes to children for essays on birds, along with specimens of the successful compositions. Kelly's Gully Public School, Warialda Railway, is conspicuous for the interest in nature study that an enthusiastic teacher has awakened. At Wanaaring School the teacher has planted lemon-scented gums, Moreton Bay figs, cedar and pepper trees, and twice a week during the dry season his pupils bring each two bottles of water to keep them alive. It is all well done. Nature is counsel and inspiration; we have got beyond those ancients who saw in plants only herbal remedies, in birds a means of divination.

HAWAII.

A Problem to be Solved. The sinister influence of "civilization" on primitive races is illustrated by the state of Hawaiian Islands. Two centuries ago they were inhabited by some 250,000 to 350,000 native Polynesians; at present the pure Hawaiian stock numbers about 23,000. The need of cheap labour for the sugar plantations and other agricultural enterprises caused the old Government to seek it from all quarters—from China, Japan, and Polynesia, from Portugal, Spain, Germany, Norway, and Porto Rico, and later from Russia and the Philippines—and the mixed immigrant folk have largely displaced the original inhabitants. Of the present school enrolment nearly 40 per cent. are Japanese. Since the annexation by the United States in 1898 the American element in the population has increased, but it consists only of a thin crust of capitalists, traders, and civil or military officials. To give unity to this conglomeration of races and Americanize the whole is the problem to be solved by the United States. A colony of Germans caused some trouble during the War.

VACANCIES IN SCHOOLS

IMPORTANT

So many Schools at present being full, some with long waiting lists, it will be an assistance to us, in dealing with the large number of inquiries daily received, if Principals likely to have vacancies for the next two terms will notify us as early as possible.

J. & J. PATON, Educational Agents,

143 CANNON STREET, LONDON, E.C.4. Telephone: Central 5053.

CORRESPONDENCE.

THE LEAGUE OF EMPIRE WAR MEMORIAL.

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—Since I wrote to you (page 103) about the League of the Empire's War Memorial scheme, which was to take the form of a Headquarters for oversea teachers in London, the scheme has received much encouragement, and there is now good hope that it may be realized before very long. The Colonies themselves are anxious to help. In view of the practical importance, both Imperial and educational, of the scheme, we are anxious to raise at least £50,000 as soon as possible. Teachers will be coming over to England every year, and this Headquarters will make all the difference to the comfort and success of their visit. I only trouble you with this further note, as it has become necessary to extend the scope of our scheme since I last wrote to you.—Believe me, yours very faithfully,

The College, Winchester.

March 4, 1919.

M. J. RENDALL.

THE INDIAN AS AN EXAMINEE.

To the Editors of *The Journal of Education and School World*.

SIRs,—It gives me great pleasure to see that Indian educational affairs are now and again noticed in the columns of the *Journal*. I hope you will allow me to offer the following remarks on a note which appeared under the above head in the November 1918 issue. It is true that out of some 30,000 who appear at entrance examinations of India, nearly 25,000 never attain the Bachelor's degree; but it cannot be argued correctly therefrom that in their case it is "a waste of strength, time, and money." The fact is that the so-called entrance examination, or what is accepted as equivalent to it and counted as such, serves a double purpose all over India—viz., a test for those who really seek entrance, and a school-final test for those who have no idea of going to the University, but merely require a certificate to enable them to join some one of the several technical institutions. The rest of the matriculants or school-leaving certificate-holders, take to some profession directly—Government service, employment under railway companies, clerical work in private firms, or schoolmastering. A proper remedy would be the bifurcation of high schools in India, schools that would prepare select pupils for the University, and a second class of schools that would prepare the majority for the technical college industries and the professions.

But I do not deny that the failure of some five thousand out of a ten thousand that prepare themselves for the B.A. degree is a woful phenomenon. In many cases accidents or events peculiar to the Indian social system account for it. Books and University studies do not always claim the entire devotion of the very many Indian undergraduates. It is a love for learning, often distracted by thoughts of the fair partner in life already chosen, the University terms being so many breaks in the continuity of the happy home life. I know many who are already fathers of boys and girls before they become Bachelors of Art or Science.

Due allowance being made for such conditions, as well as for the precious time wasted during frequent periods of inebriety, I concede many a struggler in University life is to be pitied for his ignorance of his own capabilities and for his vain attempts to exert himself beyond the limits of his intellectual strength and capacity.

Kavur, South India.

S. S. KRISHNASWAMY.

DIET IN SCHOOLS.

To the Editors of *The Journal of Education and School World*.

SIRs,—It is becoming increasingly recognized by educationists and parents that there is, as Mr. Fisher pointed out in introducing his original Bill, "a close connexion between educational and physical efficiency." Heads of schools and houses may, therefore, be glad to know that the National Food Reform Association as convener of the first Guildhall School Conference on Diet and Hygiene in Public Secondary and Private Schools is frequently consulted by schools anxious to adapt their dietary to present-day conditions and requirements. In this task it had the valuable aid of representatives of the Head Masters' Conference, Association of Head Mistresses, Incorporated Associations of Head Masters, Private Schools Association, Medical Officers of Schools Association, British Medical Association, Teachers' Guild, Parents' National Educational Union, Child Study Society, Association of University Women Teachers, Editors of Educational Journals, &c.

We should be happy to be of service to any of your readers.

Full particulars, with list of publications, comprising *Dietaries for Secondary Schools*, recently issued, "Our Children's Health at Home and at School," "Rearing an Imperial Race," "The Feeding of Children in War Time," "Aids to Fitness," "The Importance of Fat in Diet," "Why Worry about Sugar?" will be sent on application.—Yours etc.,

CHAS. E. HECHT,

Hon. Sec. Schools Committee.

National Food Reform Association,

Danes Inn House, 265 Strand, W.C.2.

BOOKS OF THE MONTH.

Education.

- Education and Social Movements, 1700-1850. By A. E. Dobbs. *Longmans*. Price 10s. 6d. net.
- Recreation for Teachers; or, The Teacher's Leisure Time. By Dr. Henry S. Curtis. *Macmillan*. Price 8s. 6d. net.
- The Spiritual Foundations of Reconstruction: A Plea for New Educational Methods. By Dr. F. H. Hayward and Arnold Freeman. *King*. Price 10s. 6d. net.
- Boys' Fellowships: Their Aims and Methods. A Manual for Leaders. By C. E. Stansfield, George Peverett, and C. F. Pilcher. *National Adult School Union*. Price 1s. net.
- Girls' Fellowships: Their Aims and Methods. A Manual for Leaders. By Effie Ryle. *National Adult School Union*. Price 1s. net.
- The Great War brings it Home. The Natural Reconstruction of an Unnatural Existence. By John Hargrave (White Fox). *Constable*. Price 10s. 6d. net.
- A Textbook of Sex Education for Parents and Teachers. By Walter M. Gallichan. *Werner Laurie*. Price 6s. net.
- Simple Beginnings in the Training of Mentally Defective Children. By Margaret Macdowall. *Local Government Press Co.* (R. T. Leach). Price 3s. 6d.
- The Book-keeping Teachers' Manual. A Specialized Text designed to furnish Help and Suggestion upon Teaching Methods and the Practical Problems of the Classroom. By C. H. Kirtton. *Pitman*. Price 5s. net.
- Concentration and Character Building. A Practical Course in Concentration, Thought Control, and Character Building. By Dorothy Grenside. *Bell*. Price 2s. 6d. net.

English.

- Cambridge Readings in Literature. Edited by George Sampson. Book III. In three styles: Library Edition, cloth boards, 5s. net; cloth flush (School Edition), 3s. 6d. net; cloth limp, 3s. net. *Cambridge University Press*.
- Cambridge Readings in Literature. Edited by George Sampson. Book IV. In three styles: Library Edition, cloth boards, 6s. net; cloth flush (School Edition), 4s. net; cloth limp, 4s. 3d. net. *Cambridge University Press*.
- Beginners' Book in Language. A Book for the Third Grade. By Harry Jeschke. *Ginn*. Price 2s. 3d. net.
- "English Literature for Secondary Schools."—Hindu Tales from the Sanskrit. Translated by S. M. Mitra. Adapted by Mrs. Arthur Bell. *Macmillan*. Price 1s. 6d.

Geography.

- The Geography of Europe. A Presentation of some aspects of European Geography for the use of Members of the Students' Army Training Corps. Issued under the auspices of the Division of Geology and Geography, National Research Council. Edited by E. Huntington and H. E. Gregory. *Oxford University Press*. Price 2s. 6d. net.

History.

- Shakespeare and the Founders of Liberty in America. By Prof. C. M. Gayley. *Macmillan*. Price 8s. net.
- A History of Spain. Founded on the Historia de España y de la Civilización Española of Rafael Altamira. By Dr. Charles E. Chapman. *Macmillan*. Price 14s. net.
- The Course of Christian History. By Prof. W. J. McGlothlin. *Macmillan*. Price 10s. 6d. net.
- The Baronial Opposition to Edward II: Its Character and Policy. A Study in Administrative History. By James Conway Davies. *Cambridge University Press*. Price 21s. net.
- The Century of Hope. A Sketch of Western Progress from 1815 to the Great War. By F. S. Marvin. *Clarendon Press*. Price 6s. net.

(Continued on page 222.)

SLOT WEIGHTS

FOR THE

Mechanics Laboratory

Raw material is now available, and we shall shortly be able to supply large quantities in both English and Metric denominations.

Slot Weights from one-hundredth pound to one hundred pounds and from five grams to fifty kilograms.

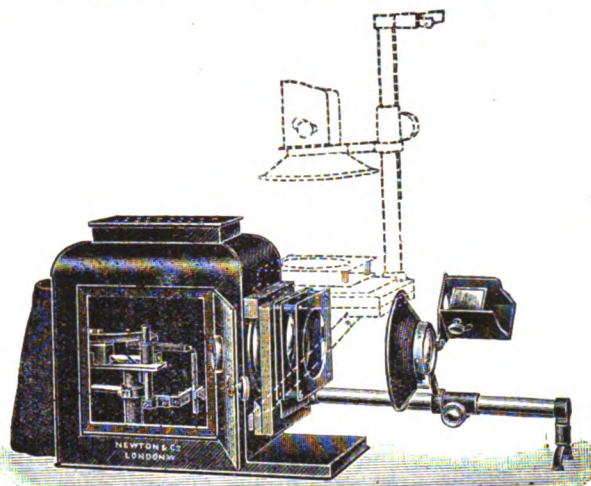
Weight Hangers to suit.

G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.

OPTICAL LANTERNS AND SLIDES

for use in

COLLEGES, SCHOOLS, and other EDUCATIONAL INSTITUTIONS.



SCIENCE LANTERNS for LECTURES and DEMONSTRATIONS.

NEWTON & CO.

(Established over 200 years).

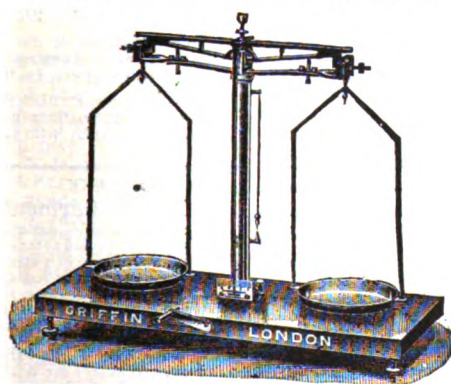
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.

KEMBLE STREET,

KINGSWAY, LONDON, W.C.2.

MAKERS OF PHYSICAL AND ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES

MANUFACTURED BY

GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLenkAMP

—& Co., Ltd.—

19-21 SUN STREET,
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—

H. G. JARROM
J. DAVIES
F. DIXON

BRITISH MADE GLASSWARE.

Beakers, Flasks, Basins, Funnels, Bell Jars, Aspirators, Condensers, Hydrometers, Thermometers, &c.

BRITISH MADE PORCELAIN.

Basins, Crucibles, Casseroles, Dye Pots, &c.

BRITISH MADE FILTER PAPERS.

To replace the various S & S qualities.

BRITISH MADE NICKEL WARE.

Basins, Crucibles, Spatulas, &c.

Prices on Application.

Telephone—LONDON WALL 1404 & 1405.

Telegrams—"GALLenkAMP, FINSQUARE, LONDON."

"Longmans' Historical Series for Schools."—Book II: A History of Great Britain from the Earliest Times to 1918. By Prof. T. F. Tout. New Edition. *Longmans*. Price 5s.

Mathematics.

Differential and Integral Calculus. By Dr. H. B. Phillips. *Chapman & Hall*. Price 9s. 6d. net.

Integral Calculus. By Dr. H. B. Phillips. *Chapman & Hall*. Price 6s. net.

"Library of Philosophy."—Edited by Dr. J. H. Muirhead. Introduction to Mathematical Philosophy. By Bertrand Russell. *Allen & Unwin*. Price 10s. 6d. net.

Modern Languages.

Introductory Sketch of the Bantu Languages. By Alice Werner. *Kegan Paul*. Price 7s. 6d. net.

Miscellaneous.

Christopher and Columbus. By the Author of "Elizabeth and her German Garden." *Macmillan*. Price 7s. 6d. net.

"The Kingsway Series."—The Second Book of School Colour Work. By E. A. Branch. *Evans*. Price 4s. 6d. net.

The Kingsway Book of Nature Stories. By Joan Kennedy. *Evans*. Price 4s. 6d. net.

The War and Unity. Being Lectures delivered at the Local Lectures Summer Meeting of the University of Cambridge, 1918. Edited by the Rev. Dr. D. H. S. Cranage. *Cambridge University Press*. Price 6s. net.

The Book of the Cave—Gaurisankarguhā. By Sri Ananda Āchārya. *Macmillan*. Price 5s. net.

Ribbons and Medals. By Commander H. T. Dorling. Part I. Seventh Edition. *Philip*. Price 2s. 6d. net.

Ribbons and Medals. By Commander H. T. Dorling. Part II. Second Edition. *Philip*. Price 2s. 6d. net.

Carven from the Laurel Tree. Essays. By Theodore Maynard. *Blackwell*. Price 3s. 6d. net.

Greek Leaders. By L. W. Hopkinson. Under the Editorship of Prof. W. S. Ferguson. *Constable*. Price 5s. net.

Everyday Stories to Tell to Children. By Mrs. H. C. Cradock. *Harrop*. Price 5s. net.

The Victory Album of War Stamps. Designed and arranged by Fred. J. Melville. *Philatelic Institute*. Prices 2s. 6d. and 4s. 6d.

The Story of Dr. Johnson. Being an Introduction to Boswell's "Life." By S. C. Roberts. *Cambridge University Press*. Price 4s. 6d. net.

The Pearl. By G. Winifred Taylor. *Blackwell*. Price 3s. 6d. net.

Krishnakanta's Will. A Novel. By B. Chatterjee. Translated from the Bengali by D. C. Roy. *Calcutta: Sen, Ray, & Co., Lalit Mohan Mullick & Sarojkumar Sen*. Not priced.

Joys of the Open Air. By W. Graveson. *Headley*. Price 3s. 6d. net.

"Papers for the Present." Third Series. No. 9: The Drift to Revolution. *Headley*. Price 1s.

Political Prophecies. An Address to the Edinburgh Philosophical Society, delivered November 5, 1918, by the Right Hon. H. A. L. Fisher. *Clarendon Press*. Price 1s. net.

Rural Problem Series. Edited by C. H. Turner.—New Movements in Rural Education. Price 4d. net.—Land Settlement After the War. By C. H. Turner. 3d. net.—Dairy Farming in Denmark. By T. S. Dymond. 4d. net.—The Spiritual Aspect of the Land Problem. By J. S. George Heath. 4d. net.—The Extension of Agricultural Food Supplies. By Prof. J. Wrightson. 4d. net.—The Farmer's Task. By T. H. Middleton. 3d. net.—Self-Help for Farmers. By Leslie Scott. 3d. net.—The Place of the Smallholder in the Problem of Reconstruction. By George Nicholls. 3d. net.—The Policy of the Plough. By the Hon. E. G. Strutt, Leslie Scott, and Right Hon. G. H. Roberts. 6d. net. *S.P.C.K.*

Religious Knowledge.

Lay Religion. By H. T. Hodgkin. *Headley*. Price 3s. 6d. net.

The Religion of Israel. By Prof. George A. Barton. *Macmillan*. Price 10s. 6d. net.

The Young People's Lesson Handbook, No. 3: How Men came to know God. *National Adult School Union*. Price 1s. net.

Translations of Christian Literature. Series III. Liturgical Texts: St. Ambrose. "On the Mysteries" and the Treatise on the Sacraments. By an Unknown Author. Translated by T. Thompson. Edited, with Introduction and Notes, by Dr. J. H. Srawley. *S.P.C.K.* Price 4s. 6d. net.

(Continued on page 224.)

NISBET'S SELF-HELP GEOGRAPHY.

A NEW SERIES OF READERS ON ENTIRELY FRESH LINES.

By H. R. SWEETING, M.A.,

GEOGRAPHY MASTER AT MERCHANT TAYLORS' SCHOOL.

THE BRITISH ISLES.

For Standards III and IV.

With numerous Black and White Illustrations and Maps (Rainfall, Density of Population, &c.), 11 Coloured Plates and Maps. 224 pages. Price 2s. 3d.

This Book is designed as the first step in connecting various facts already acquired, mostly by observation and experience out of school.

THE WORLD.

For Standards V and upwards.

Containing numerous Black and White Pictures, 8 Coloured Plates and 15 Maps, illustrating the connection between Rainfall, Climatic Regions, and Crops. 224 pages. Price 2s. 4d.

This Book provides such facts as are necessary for understanding the different kinds of climate in the World, and the different crops which result, so that the habits and occupations of the inhabitants can be discovered and compared.

WORLD COMMUNICATIONS BY LAND, SEA, AND OCEAN.

For Standards V and upwards.

Containing 32 Maps and Diagrams, 32 Sepia Plates, and numerous Black and White Illustrations. Price 2s. 6d.

The third Book is intended to be the link between the knowledge of climates and regions of the World, and the actual everyday means of work and life in the present.

NISBET & Co., Ltd., 22 Berners Street, London, W.1.

PITMAN'S USEFUL BOOKS FOR TOWN SCHOOLS.

The Story of a Coal Mine.

By T. W. BERRY, F.C.S.

The introduction of some elementary instruction in mining is carried out in a readable manner. Each chapter contains simple questions as suggestive systematic exercises.

Cloth, 72 illustrations, 1s. 6d.

The Triumph of Man.

Being an Account of the Work of Man in the Twentieth Century.

Contains a simple account of wind, water, steam, and electricity and their applications; of iron and steel and their uses; &c.

Cloth, 130 illustrations, 2s. net.

Industrial Mathematics (Preliminary).

By G. W. STRINGFELLOW.

Provides a scheme for the mathematical teaching of the highest classes in primary schools situated in large industrial centres.

1s. net. With answers, 1s. 6d. net.

The Mathematics of Ventilation.

By F. BIRKS. The work is graduated in very easy stages and explanations given as clearly and concisely as possible. Over 600 examples, with answers.

3s. 6d. net.

By EMILY and MARIAN WALKER.

Dress Cutting & Making.

Helps the practical reader to produce any desired effect in the cut and fashion of a garment.

Cloth, 265 diagrams and illustrations. 5s. net.

Children's Garments.

Shows simple patterns and styles simplified as far as possible by the use of two or three paper patterns as foundations. Cloth, 141 diagrams and flat paper patterns. 5s. net.

English for Technical Students.

By F. F. POTTER, M.A., B.Sc. Descriptions, letter-writing, and essays are dealt with, and recent examination papers are included. Cloth, 2s. net.

Prospectuses of any of the above books, together with Pitman's Educational Catalogue, will be sent, post free, on application.

SIR ISAAC PITMAN & SONS, LTD.

1 AMEN CORNER, LONDON, E.C.4.

HARRAP'S LATEST PUBLICATIONS.

EDUCATING BY STORY-TELLING

Just Ready

Showing the Value of Story-telling as an Educational Tool for the Use of all Workers with Children. By KATHERINE DUNLAP CATHER. Size 8½ by 5½ inches. 448 pages. 7s. 6d. net.

An important feature of this most valuable book is the Bibliographies. Every section has its list of helpful sources; and there is an extensive list of the best books containing suitable material for the Story-teller. Most helpful of all is a unique bibliography of stories for eight years of a child's life, carefully graded and arranged under suitable months of each year.

AN IMPORTANT NEW BOOK.

THE HISTORY OF ARYAN RACE IN INDIA

From the Earliest Times to the Death of Akbar. By E. B. HAVELL. With Photogravure Frontispiece. 32 Full-page Plates and Maps, &c., and Full Index. 620 pages. Gilt top, 15s. net. Also in Half Morocco, 30s. net.

"An informing and illuminating work for which Students and Politicians should be profoundly grateful. Many illustrations of Indian Art and Architecture add to its value and interest."—*Yorkshire Post*.

AN INTRODUCTION TO THE HISTORY OF SCIENCE

By Dr. WALTER LIBBY, M.A. With Eight Illustrations. Size, 7½ by 5 in. 304 pages, 5s. net.

"Efficiently written, and free from excessive detail."—*Saturday Review*.

HARRAP'S INTRODUCTORY ALGEBRA

By WILLIAM FARQUHARSON, M.A., Daniel Stewart's College, Edinburgh. Crown 8vo, 180 pages, with Answers, 2s. net. Also without Answers, 1s. 9d. net.

From the *Principal of a Preparatory School*:—"Farquharson's *Algebra* is first-rate, and I shall put an order through in due course. I hope the book will have the success it deserves, for of the large number of elementary Algebras I have perused in my search for something suitable for beginners, this is the only one that appears to have realized and provided for the extraordinary difficulty of the subject for small boys."

ENGLISH EXTRACTS AND EXERCISES

For Comparative Study and Training in Composition. By F. H. PRITCHARD, Lecturer in Literature at the Municipal Technical School, Devonport. Large Crown 8vo, 256 pages, 2s. 6d. net.

An admirable practice-book in English for lower and middle forms in secondary schools, and for upper classes in primary schools. The main idea is to centre all the week's work in English round a suitable extract. The exercises are abundant and in many cases novel in character. No essential point in elementary English is left untouched, and wherever possible opportunity is taken to stimulate interest in the author or extract under consideration.

A FIRST SPANISH COURSE

By Profs. E. C. HILLS and J. D. M. FORD. With exercises and vocabularies. Crown 8vo, 340 pages, 4s. 6d. net. Key for Teachers only, 5s. 3d. net.

This easier course is designed for much younger pupils than the Author's previous work.

"A prominent feature is the RESUMEN GRAMATICAL in Spanish at the end of each lesson."—*The Journal of Education*.

LIBRO DE LECTURA PARA PRINCIPIANTES

Edited by E. MAURER, Reading School. With Vocabulary and Exercises. Small crown 8vo, limp, 160 pages, 2s. net.

A SCHOOL GRAMMAR OF PRESENT-DAY FRENCH

By J. E. MANSION. Crown 8vo, 256 pages, 3s. 6d. net. *Just ready*

A new reference French grammar for middle and senior forms, special features of which are the stress laid on fundamental principles, and careful differentiation between the normal constructions of the language and those which belong to emotional, colloquial, or literary expression.

HARRAP'S BILINGUAL SERIES

General Editor—J. E. MANSION

Each Book price 1s. 6d. net

Modern Language Readers for the student who wishes to enlarge his vocabulary through reading. Each book consists of a carefully selected story, or other suitable material, with text and translation on opposite pages and a few Notes. The Series will include books in all the principal languages.

FIRST ANNOUNCEMENT

- FRENCH.** A. Daudet: *Lettres de mon Moulin* (Selected). (*Ready*)
E. About: *Les Jumeaux de l'Hôtel Cornaille*. (*Ready*)
W. W. Jacobs: *Selected Stories*. (*In the Press*)
E. A. Poe: *The Gold Bug*. (*Ready*)
J. S. Keyworth: *French for the Traveller*.
- SPANISH.** V. B. Ibáñez: *La Corrida*. (*In the Press*)
W. W. Jacobs: *Selected Stories*. (*In the Press*)
J. S. Keyworth: *Spanish for the Traveller*.
- ITALIAN.** M. Bandello: *The Story of Romeo and Juliet*. (*In the Press*)
W. W. Jacobs: *Selected Stories*. (*In the Press*)
J. S. Keyworth: *Italian for the Traveller*.
- GERMAN.** F. Gerstäcker: *Germelshausen*. (*In the Press*)
T. W. Storm: *Immensée*. (*In the Press*)
W. W. Jacobs: *Selected Stories*.
J. S. Keyworth: *German for the Traveller*.
- RUSSIAN.** Pushkin: *Selected Tales*.
W. W. Jacobs: *Selected Stories*.
J. S. Keyworth: *Russian for the Traveller*.

The volumes are of handy size for the pocket—6½×4 ins. Each contains 128 pages, bound in stiff paper cover. Price 1s. 6d. net.

London: GEORGE G. HARRAP & CO., LTD.,

Directors: GEORGE G. HARRAP, G. OLIVER ANDERSON.

2 & 3 Portsmouth St., Kingway, London, W.C.2.

G. BELL & SONS, Ltd.

Chemistry.

INORGANIC CHEMISTRY.

By JAMES WALKER, D.Sc., Ph.D., F.R.S., Professor of Chemistry in the University of Edinburgh.

Eleventh Edition, revised and enlarged. Crown 8vo, 5s. net.
A new edition of the "Elementary Chemistry," revised and considerably augmented, covering the ground required by candidates up to and including the matriculation standard.

INORGANIC CHEMISTRY FOR UPPER FORMS.

By PERCY W. OSCROFT, M.A., Uppingham School. 496 pages, with numerous Diagrams. Second Edition. 6s. net.

"The exposition is very clear, and the blend of theory, informative description, and problems will commend the work to many experienced teachers. . . . The work as a whole appears admirably fitted to its purpose."—*The Journal of Education*.

INTRODUCTION TO INORGANIC CHEMISTRY.

By ALEXANDER SMITH, B.Sc. (Edin.), Ph.E., F.R.S.E., Professor of Chemistry and Head of the Department of Chemistry in Columbia University. 35th Thousand. 8vo. Over 900 pages. 10s. 6d. net.

EXPERIMENTAL INORGANIC CHEMISTRY.

This is the Fifth Edition, re-written, of Smith and Hale's "Laboratory Outline of General Chemistry." For use with the above. Interleaved throughout. 69th Thousand. 4s. net.

GENERAL CHEMISTRY FOR COLLEGES.

By ALEXANDER SMITH, B.Sc., Ph.D., New Edition, entirely rewritten. Demy 8vo. 672 pages. 9s. net.

A LABORATORY OUTLINE OF COLLEGE CHEMISTRY.

A new Laboratory Outline for use with the College Chemistry. 4s. net.

ELEMENTARY CHEMISTRY FOR SCHOOLS.

By ALEXANDER SMITH, B.Sc., Ph.D., Adapted by H. A. WOOLTON, M.A., B.Sc., Senior Science Master, Westminster School. Over 400 pages, with numerous Diagrams. 6s. net.

"The book is of a type which should be used and mastered by every boy. An abundance of good questions, many of them requiring a certain amount of independent thought and reasoning, is provided."—*Chemical News*.

A LABORATORY OUTLINE OF ELEMENTARY CHEMISTRY.

By ALEXANDER SMITH, B.Sc., Ph.D., Crown 8vo. 2s. 6d. net.

"An excellent course of laboratory work which the average student will undoubtedly find particularly interesting."—*Chemical News*.

AN INTRODUCTION TO CHEMISTRY.

By D. S. MACNAIR, Ph.D., B.Sc. Eighth Edition, revised. Crown 8vo. 2s. 6d. net.

A FIRST YEAR'S COURSE OF CHEMISTRY.

By JAMES SINCLAIR, M.A., Head Master, Shawlands Academy, Glasgow, and G. W. M'ALLISTER, M.A. Second Edition. Crown 8vo. Illustrated. 1s. 9d.

Physics.

PRACTICAL HEAT, LIGHT, AND SOUND.

By T. PICTON, M.A., B.Sc., Science Master, St. Paul's School. Crown 8vo, with Diagrams. 1s. 9d.

A THREE YEARS' COURSE IN PRACTICAL PHYSICS.

By JAMES SINCLAIR, M.A., B.Sc. In Three Parts. Crown 8vo, with numerous Diagrams. 1s. 9d. each.

ELEMENTARY BOTANY.

By PERCY GROOM, M.A. (Cantab. et Oxon.), D.Sc. (Oxon.), F.L.S., F.R.H.S., Professor of the Technology of Woods and Fibres at the Imperial College of Science and Technology. With 275 Illustrations. Fourteenth Edition, revised and enlarged. Crown 8vo. 4s.

AN INTRODUCTION TO THE STUDY OF PLANTS.

By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., Professor of Botany, East London College, University of London, and E. J. SALISBURY, D.Sc., F.L.S., Lecturer in Botany, East London College. With over 250 Illustrations. Third Edition. Demy 8vo. 6s. net.

This volume completely covers the London University Matriculation syllabus.

"Certainly one of the very best of the elementary textbooks of Botany we have seen."—*The Journal of Education*.

ELEMENTARY STUDIES IN PLANT LIFE.

By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., and E. J. SALISBURY, D.Sc., F.L.S. With 150 Illustrations. Crown 8vo. Second Edition. 3s. net.

"It would not be easy to find a book better suited to the needs of junior students."—*Nature*.

FOOD GARDENING.

By H. VALENTINE DAVIS, B.Sc., Lecturer in Rural Science and Gardening in the Cheshire County Training College, Crewe. Second Edition, revised and enlarged. 1s. net.

"A practical handbook, written by a scientific gardener, for all those who are endeavouring to increase the supply of vegetables."—*Educational Times*.

A FIRST COURSE IN PRACTICAL CHEMISTRY FOR

RURAL SECONDARY SCHOOLS. By W. ALDRIDGE, B.A., B.Sc., late Head Master of Shepton Mallet Grammar School. Crown 8vo, with Diagrams. 1s. 9d.

YORK HOUSE, Portugal St., W.C.2.

Music.

- Elementary Lessons on the Practical Harmonization of Melodies. By Mrs. Maitland Watson. *Weekes*. Price 4s. net.
 Key to the Practical Harmonization of Melodies. By Mrs. Maitland Watson. *Weekes*. Price 1s. 6d. net.
 Short History of Music. By Ethel Home. *Weekes*. Price 5s. net.

Science.

- The Principles of Mental Science. By Dr. W. A. White. With an Introduction by Dr. S. E. Jelliffe. *Macmillan*. Price 10s. 6d. net.
 The Human Skeleton: an Interpretation. By Prof. H. E. Walter. *Macmillan*. Price 10s. net.
 Manual of Vegetable-garden-Insects. By C. R. Crosby and M. D. Leonard. *Macmillan*. Price 12s. 6d. net.
 Mirrors, Prisms, and Lenses: a Textbook of Geometrical Optics. By Prof. J. P. C. Southall. *Macmillan*. Price 17s. net.
 Botany: a Textbook for Senior Students. By D. Thoday. Second Edition. *Cambridge University Press*. Price 7s. 6d. net.
 A Systematic Course of Qualitative Chemical Analysis of Inorganic and Organic Substances. By Prof. Henry W. Schimpf. Third Edition. Revised. *Chapman & Hall*. Price 7s. net.
 Essentials of Volumetric Analysis. Adapted to the Needs of Students of Pharmaceutical Chemistry. By Prof. Henry W. Schimpf. Third Edition. Rewritten and enlarged. *Chapman & Hall*. Price 7s. net.
 Agricultural Laboratory Exercises and Home Projects adapted to Secondary Schools. By H. J. Waters and Prof. J. D. Elliff. *Ginn*. Price 4s. 6d. net.
 Elements of General Science. By Prof. O. W. Caldwell and Prof. W. L. Eikenberry. Revised Edition. *Ginn*. Price 5s. 6d. net.
 What is Psychoanalysis? By I. H. Coriat. *Kegan Paul*. Price 3s. 6d. net.
 Electric Light and Power. By E. E. Brooks and W. H. N. James. Fifth Edition. *Methuen*. Price 6s. 6d.

Verse.

- Verse Writing: a Practical Handbook for College Classes and Private Guidance. With Exercises. By Prof. W. H. Carruth. *Macmillan*. Price 4s. net.
 Love, Worship, and Death: some Renderings from the Greek Anthology. By Sir Rennell Rodd. A New and Enlarged Edition. *Arnold*. Price 5s. net.

DIRECTORY OF EDUCATIONAL ASSOCIATIONS.

[This List is Copyright. Reproduction is forbidden.]

THE following entries came to hand after the March Supplement had gone to press.

- Art for Schools Association, Incorporated.
 600. £1. 1s. or 10s. 6d. (e) Central 723. (f) June 10, 1919.
 The Settlement. Miss M. L. Cooper, The Settlement, Tavistock Place, W.C. 1.
 Biblical Study, Society for.
 Mr. F. C. Cook, Laleham Lodge, High Welwyn, Herts.
 Britannia League of Housewives.
 Teaching of Common-sense Food and Cookery. 7,000. (e) Museum 1815. (f) June 1919, London. Mr. William Lawton, 1 Upper Montague St., Bloomsbury, W.C. 1.
 British Association for the Advancement of Science.
 (f) September 9-13, 1919, at Bournemouth.
 Burgh and Parochial Schoolmasters' Association.
 Mr. William Young, F.E.I.S., Dalkeith, N.B.
 Catholic Colleges, Conference of.
 Very Rev. Canon Driscoll, D.D., M.A., Cardinal Vaughan School, Addison Rd., W. 14.
 Catholic Education Council.
 Mr. F. R. Anderton, 1 Mitre Court Buildings, Temple, E.C. 4.
 Catholic Head Masters' Association (Ireland).
 Very Rev. A. Murphy, St. Munchin's, Limerick.
 Catholic Teachers' Association (Glasgow and West of Scotland).
 Mr. Charles McKay, 47 Crow Rd., Partick, N.B.
 Church School Managers and Teachers, General Association of.
 Miss E. M. Parham, 132 Argyle Rd., West Ealing, W. 13.
 Classical Association of Ireland.
 250. 5s. (c) Own *Proceedings*. (f) Last Friday in January.
 Mr. E. H. Alton, M.A., Fellow of Trinity College, Dublin, and Prof. P. Temple, M.A., University College, Dublin.
 Classical French Theatre Association. (The profits to be devoted to
 (Continued on page 226.)

JAMES GRAY LTD.

HEATING ENGINEERS,
 DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone:
 Western 201.

Telegrams:
 Gray 201 Western London.

SCIENTIFIC ROMANCE.

In Crown 8vo. Cloth, Gilt Lettering. Pp. 317. Price 6s. net.
 Postage extra.

THROUGH THE SUN IN AN AIRSHIP.

By Professor JOHN MASTIN, M.A., Sc.D., Ph.D.

"Mr. Mastin manages to make his tale absorbing at all points, the interest never slackens, his imagination never fails. The suggestions opened out are numerous and appalling. Some of the discussions are on very deep subjects, and, though they do not lead us far, and are hardly as illuminating as the utterances of poets, they are put down soberly and in a convincing manner, which shows that the author takes his work seriously. His scientific knowledge aids him well in his task, and has enabled him to produce a fine novel as attractive to boys as to grown up people."—*Daily Telegraph*.

London: CHARLES GRIFFIN & CO., Ltd., Exeter Street, Strand, W.C.2.

SCIENTIFIC APPLIANCES.

- Electrical, Magnetic, Static, Optical, and Experimental Apparatus Parts and Materials.
 Lenses, Achromatic or Plain, Prisms, Mirrors, and Optical Goods.
 Best Make, Second-hand P.O., and other Galvanometers, Relays, Electric, and Optical Instruments at ONE-THIRD COST.
 Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings for the Student of Science.
 Telephones, Batteries, Morse Keys, and every aid for Radio and Telegraphic Experiments.
 Our Celebrated Wimshurst Machines.
 War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
 Call or write for information. (H. J. DALE has had fifty years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Sicilian Avenue, Bloomsbury Square, London, W.C. 1.

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 65 South Molton Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

CAREY'S "GRADUS AD PARNASSUM"

WITH THE ENGLISH MEANINGS

Revised, Corrected, and Augmented by a Member of the University of Cambridge

Post 8vo, cloth, price 7s.

THE STATIONERS' COMPANY, Stationers' Hall, London, E.C.4.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Paldologist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE),
13 PATERNOSTER ROW, LONDON, E.C.4.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	... net	6/-
THE GIRLS SCHOOL YEAR BOOK	... ..	6/-
THE SCHOOLMASTERS YEAR BOOK	... ..	15/-
THE DIRECTORY OF WOMEN TEACHERS	... ..	10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,
31 Museum Street, LONDON, W.C.1.

DUSTLESS

and HYGIENIC ROOMS

In SCHOOLS, LABORATORIES, &c.
USE The British Made and Owned

Odourless, or Powerful Germicidal

FLORIGENE

(A Regd. Name suggested by FLOOR-HYGIENE)

EARLY in the **EASTER VACATION**

for best results.

"Florigene" has been continuously used for many years on Wood, Concrete, and Stone floors of every description, also on Linoleum and Cork Matting in Government and Municipal Buildings, and in all kinds of Schools, and other Institutions in the United Kingdom and Colonies.

"Florigene" costs little, is easily applied by unskilled, and saves time and labour.

It is **IMPORTANT TO NOTE** that

ONE APPLICATION of "Florigene" **ALLAYS** THE DUST and DIRT for **2 to 12 months**, according to traffic, not only during each sweeping (without Sprinkling of any kind) but also throughout all the intervening periods — which is of greater hygienic importance.

These sanitary, labour-saving, and economic advantages are **NOT** attained by sweeping-powders or any other method

Not sticky—the ordinary daily dry sweeping alone required—Scrubbing being optional.

"Florigene" is strongly recommended by Medical and other expert authorities.

A Head School Mistress writes:—

"I am glad to have the opportunity of recommending 'FLORIGENE.' We have used it regularly on both wood and linoleum, and found its effects most beneficial, both in laying the dust and preserving the surface."

(Repeat orders since received.)

A Grammar School Head Master writes:—

"We have used your 'FLORIGENE' for several years in this School, and we have found it excellent in keeping down dust, which is now never to be seen anywhere. I believe the health of this School has been better since. The air is certainly more pleasant to breathe when movements are going on; there is also a great saving of labour in cleaning."

(Repeat orders since received.)

Numerous other Testimonials can be produced.

Send for particulars, Medical Reports, &c., to

"DUST-ALLAYER" Co.,
THE "DUST-ALLAYER" Co.,

NEW ADDRESS—4 Vernon Place,

:: BLOOMSBURY SQUARE ::

LONDON, W.C.1.

Contractors to Admiralty, War Office,
India Office, H.M. Office of Works, L.C.C.,
and Colonial Governments, &c., &c.

- the founding of Travelling Scholarships in France for British Universities, Colleges, and Schools.)
 389. £1. 1s. (c) *Franco-British Review*. (d) Number of members: Over 37,000 (including members of Societies affiliated and Staff and Students of University and School Members). (e) Hampstead 5346. (f) March, in London. Comte A-de Croze, 89 Fitzjohn's Avenue, London, N.W. 3.
 Commercial and Specialist Teachers, Institute of.
 Mr. L. Jones, 73 Drakefell Rd., New Cross, S.E. 14.
 Cruelty to Animals, Royal Society for Prevention of.
 5,000. £1. 1s. (c) *Animal World*. (d) Cruelty, London.
 (e) Gerrard 5433. (f) May 30, Central Buildings, Westminster.
 Capt. E. G. Fairholme, O.B.E., 105 Jermyn St., S.W. 1.
 Education Officers, National Association of.
 Mr. A. R. Pickles, Education Offices, Town Hall, Burnley.
 English Association, The. To promote the due recognition of English as an essential element in the national education.
 2,300. 5s. (c) *Own Bulletin*. (e) 1677 Western. (f) May, 1919, Bedford College, Regent's Park, N.W. 1. Mr. A. V. Houghton, Imperial College Union, South Kensington, S.W. 7.
 Girls' Public Day School Trust, Limited (25 Schools).
 Mr. A. Maclean, Broadway Court, Westminster, S.W. 1.
 Guild of Graduates, University of Wales.
 3,914. (f) July, 1919, at University College of Wales, Aberystwyth. Prof. W. Jenkyn Jones, M.A., Bodolwyn, Aberystwyth, and University Registry, Cathay's Park, Cardiff.
 "Hands across the Seas."
 A Movement of Empire and Education, under the auspices of the Government of the Dominion of Canada, the Government of Newfoundland, and the Departments of Education of Manitoba, British Columbia, Nova Scotia, Saskatchewan, Alberta, Quebec, New Brunswick, Ontario, Natal, Victoria, Western Australia, New South Wales, 1150. One dollar. (c) *Own Magazine*, (g) Captain Fred A. Ney, Education Department, Winnipeg, Manitoba. As the Secretary is serving "Somewhere in France," inquiries will be answered by Miss C. Hendry, 187 Herkimer Street, Hamilton, Ontario.
 Hellenic Studies, Society for the Promotion of.
 Mr. G. A. Macmillan, D.Litt., 19 Bloomsbury Sq., W.C. 1.
 Historical Association of Scotland.
 200. 5s. (f) November 1919, Edinburgh. Mr. William C. A. Ross, M.A., Royal High School, Edinburgh.
 International Council of Women. (Education Committee.)
 Mrs. Ogilvie Gordon, D.Sc., 1 Rubislaw Terr., Aberdeen.
 Ireland, Association of Secondary Teachers.
 Mr. W. J. Williams, 28 Brighton Avenue, Rathgar, Dublin.
 Lancashire and Cheshire Institutes, Union of.
 A federation of the Education Committees of Lancashire, Cheshire, Derbyshire, Westmorland, and the Isle of Man.
 Mr. John T. Coles, F.C.I.S., 33 Blackfriars St., Manchester.
 Loan Funds.—The Pfeiffer Student Fund, the Caroline Ashurst Biggs Memorial Loan Fund, the Helen Blackburn Memorial Loan Fund, the Mrs. Haweis Memorial Loan Fund, the Louisa Lady Goldsmid Loan Fund, the Educated Women Workers' and Harker-Smith Loan Training Fund, and the Clara Evelyn Mordan Memorial Loan Fund. All these funds are to help students in paying fees for professional or technical training.
 Society for Promoting the Employment of Women. 10s. (Life £5). (e) Museum 1659. Miss Edith Hare, 23 Berners St., Oxford St., W. 1.
 London Chamber of Commerce, The (Incorporated).
 8,530. £2. 2s. to £3. 3s. (c) *Own Journal*. (d) Convention, Cannon, London. (e) City 1949-52. (f) April. Secretary for Commercial Education, Mr. C. E. Town, Oxford Ct., Cannon St., E.C. 4.
 Michaelis Guild.
 Miss A. E. Debenham, 1 Fitzjohn's Avenue, N.W. 3.
 Modern Language Association.
 1,200. 7s. 6d. (c) *Modern Language Teaching and Modern Language Review*. (e) Museum 276. (f) January, 1920. Mr. Eric G. Underwood, 23 Southampton St., Bloomsbury Sq., W.C. 2.
 Music, Graduates in, Union of. Incorporated.
 Dr. E. F. Horner, Mus.D. Dunelm., F.R.C.O., 19 Beverley Rd., Anerley, S.E. 20.
 Music, Royal Academy of.
 For the Cultivation of the Science of Music. [Fellow. F.R.A.M.; Licentiate, L.R.A.M.; Associate, A.R.A.M.]
 Mr. J. A. Creighton, York Gate, Marylebone Rd., N.W. 1.
 Natural Science Association, The Yorkshire.
 100. 5s. (f) Autumn, 1919. Miss R. F. Shove, The University, Leeds; and Mr. F. Fairbrother, The Grammar School, Leeds.
 (Continued on page 228.)

GEOGRAPHY IN EDUCATION.

PHILIPS' HUMAN GEOGRAPHIES.

By JAMES FAIRGRIEVE, M.A.,
and ERNEST YOUNG, B.Sc.

Crown 8vo, with Coloured and Black and White Illustrations.

This series of elementary books is just what its name denotes—*human*. Everywhere the human note is predominant and the relation of man to his environment insisted upon. The books are not merely human in the sense that they treat of geography from the human point of view, but also because the kinds of human beings who live in different environments are fully described.

They are human, too, because they take account of the characteristics of the small human beings by whom they will be used. The books are written by men in actual touch with the problem of teaching young children, and they are written in a simple and interesting fashion. They are as logical as a proposition in geometry and almost as interesting as a fairy tale.

The series is distinctly progressive both in difficulty of language and of ideal. The first two volumes deal respectively with child and adult life in certain typical areas. Volumes III-VI cover the world on new and original lines.

The illustrations are new and novel and are specially drawn to suit the purpose of the lesson.

Book I.—CHILDREN FAR AWAY.

THE LIFE AND DOINGS OF CHILDREN
IN OTHER LANDS.

Price 1s. 6d.

Book II.—HOMES FAR AWAY.

THE HOMES AND PARENTS OF CHILDREN
IN OTHER LANDS.

Price 1s. 6d.

Book III.—THE BRITISH ISLES.

Price 1s. 9d.

Book IV.—THE NEW WORLD.

Price 2s.

Book V.—THE OLD WORLD.

In preparation.

Book VI.—EUROPE AND BRITAIN.

In preparation.

PHILIPS' COMPARATIVE WALL ATLASES.

Edited by J. F. UNSTEAD, M.A., D.Sc.,
and E. G. R. TAYLOR, B.Sc.

Eight Sets—**World Relations, Six Continents, and British Isles.**
Maps, singly, mounted to fold and eyeletted. 6s. net each; complete in this form in box, eight Maps, 40s. net, or all on roller to suit over, 35s. net.
Also supplied without the Political Maps. Seven Maps, mounted on cloth, dissected, folded, and eyeletted, in thumb case, 32s. 6d. net.

PHILIPS' SYNTHETIC MAPS.

Eight Sets—**The World, Six Continents, British Isles.**
By E. G. R. TAYLOR, B.Sc.

Each Set consists of two Coloured Foundation Maps and eight Transparencies, together with Suggestions for Class Use. The whole in stout Manilla case. Demy 4to, 11 by 9 inches. 9d. net per Set.

The Synthetic Maps may also be obtained separately, printed on Cartridge paper, for use as "Hand Maps," price 3d. each net.

PHILIPS' MODERN SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

New Edition, Revised and Enlarged. 80 Plates, containing 142 Maps and Diagrams, with Introductory Letterpress and complete Index. 11 by 9 inches. Cloth boards, price 4s. 6d. net.

PHILIPS' NEW SCHOOL ATLAS OF COMPARATIVE GEOGRAPHY.

New Edition, Revised and Enlarged. 72 Plates, containing 97 Physical, Political, and Commercial Maps, with Index. Size 9 by 11 inches. Limp cloth, 3s. 6d. net.

Detailed Prospectus of any of the above gratis on application.

GEORGE PHILIP & SON, Ltd., 32 FLEET STREET, LONDON.

PHILIP, SON & NEPHEW, Ltd., South Castle Street, Liverpool.

LIBRAIRIE LAROUSSE, PARIS

LAROUSSE DICTIONARIES

The best and most famous French Dictionaries, indispensable for study and practical use

PETIT LAROUSSE ILLUSTRE. The best, most complete, and profusely illustrated of all handy French dictionaries. A handsome volume of 1,664 pages; 5,800 engravings; 130 plates; and 120 maps, 7 in colours. Price, cloth, 10 fr. (*plus a temporary increase of 20%*).

LAROUSSE DE POCHE. The only strictly complete and practical French Pocket Dictionary in existence. Over 85,000 words with their definition and pronunciation, in addition to a Grammar of the French language and a short history of French literature. An attractive book of 1,292 pages, on thin paper, size 4½ by 6½ in., ½ in. thick, weight about 10 oz.). Cloth binding, 10 fr.; flexible leather binding, 15 fr. (*plus a temporary increase of 20%*).

LE LAROUSSE POUR TOUS. Encyclopædic Dictionary in two volumes. The ideal dictionary for all who require a French dictionary more extensive than an ordinary one; with all the words of the language, pronunciation, etymology, synonyms, antonyms, a complete grammar simplified, history of literature. 1,950 pages; 17,325 engravings; 216 maps, black and coloured; 35 coloured plates. Paper, 52 fr.; half morocco, 75 fr.

NOUVEAU LAROUSSE ILLUSTRE. Encyclopædic Dictionary in eight volumes. The newest, most practical, and best illustrated of the large encyclopædic dictionaries, edited by over 400 eminent collaborators. 7,600 pages; 237,000 articles; 49,000 engravings; 504 black and coloured maps; 89 coloured plates. Paper, 320 fr.; half morocco, 440 fr.

GRAND DICTIONNAIRE LAROUSSE. Encyclopædic Dictionary in seventeen volumes. The most comprehensive of all encyclopædic dictionaries. 24,500 pages; 2,864 engravings. Paper, 650 fr.; bound in half morocco, 875 fr.

BIBLIOTHÈQUE LAROUSSE

Masterpieces of French Literature

Fine volumes in library size (13.5 by 20 cent.). Interesting illustrations, notes, and criticisms. All great French writers, classical and modern, will appear in this new collection, the finest and most up-to-date of all.

Each of the beneath volumes, stiff paper cover, 2 fr. (*plus a temporary increase of 30%*).

Ronsard: Œuvres choisies	1 vol.	Benjamin Constant: Adolphe et Œuvres choisies ...	1 vol.
Rabelais: Gargantua et Pantagruel	3 vol.	Stendhal: Chroniques italiennes	1 vol.
Cornille: Théâtre choisi illustré	3 vol.	Stendhal: La Chartreuse de Parme	2 vol.
Racine: Théâtre complet illustré	3 vol.	Stendhal: Le Rouge et le Noir	2 vol.
Chefs-d'œuvre comiques des successeurs de Molière ...	2 vol.	Balzac: La Rabouilleuse	1 vol.
La Fontaine: Fables illustrées	2 vol.	Musset: Œuvres complètes illustrées	8 vol.
Boileau: Œuvres poétiques illustrées	1 vol.	Murger: Scènes de la vie de Bohème	1 vol.
La Rochefoucauld: Maximes	1 vol.	Alfred de Vigny: Œuvres illustrées	7 vol.
Mme de Sévigné: Lettres choisies illustrées	2 vol.	Gerard de Nerval: Œuvres choisies illustrées ...	1 vol.
Regnard: Théâtre choisi illustré	2 vol.	Anthologie des écrivains français des XV ^e et XVI ^e siècles ...	2 vol.
J.-J. Rousseau: Les Confessions (extraits suivis) ...	1 vol.	Anthologie des écrivains français du XVII ^e siècle ...	2 vol.
J.-J. Rousseau: Emile (extraits suivis)	1 vol.	Anthologie des écrivains français du XVIII ^e siècle ...	2 vol.
Diderot: Œuvres poétiques illustrées	3 vol.	Anthologie des écrivains français du XIX ^e siècle ...	4 vol.
Voltaire: Œuvre poétique	1 vol.	Anthologie des écrivains français contemporains (Poésie) ...	1 vol.
Voltaire: Histoire de Charles XII	1 vol.		
Montesquieu: Lettres persanes	1 vol.		
Chateaubriand: Œuvres choisies	3 vol.		

Each of the beneath volumes, paper, 1 fr.; flexible cloth, 1 fr. 30 (*plus a temporary increase of 30%*).

Molière: Théâtre complet illustré	7 vol.	Voltaire: Théâtre choisi illustré	1 vol.
La Bruyère: Les Caractères	2 vol.	Beaumarchais: Théâtre choisi illustré	2 vol.
Bossuet: Œuvres choisies illustrées	2 vol.	Balzac: Œuvres choisies illustrées	5 vol.

EXTRA VOLUMES.—Victor Hugo: Œuvres choisies illustrées. The most beautiful edition of Victor Hugo's selected works, carefully printed and illustrated. Two fine volumes of about 550 pages each, 60 engravings. Price per volume, stiff paper, 5 fr.; cloth, 6 fr. (*plus a temporary increase of 30%*). Ask for the complete catalogue of the "Bibliothèque Larousse."

HOW TO LEARN THE FRENCH LANGUAGE

FRENCH BY READING (Marcel's Course). First Book: Stories and Tales, 1 fr.; Second Book: Stories and Tales, 1 fr. (*plus a temporary increase of 100%*).

COMMENT ON PRONONCE LE FRANÇAIS. Complete and practical work on pronunciation, by PH. MARTINON. Most useful work for teaching the French language to foreigners. Size 7½ by 4½ ins. 414 pages. Paper, 4 fr.; cloth, 5 fr. (*plus a temporary increase of 20%*).

CONTES ET RÉCITS EN PROSE (XIX^e SIÈCLE), by WEIL and CHÉNIN. Cloth, 1 fr. 90 (*plus a temporary increase of 100%*).

LES LECTURES LITTÉRAIRES DE L'ÉCOLE, by P. PHILIPPON and Mme PLANTIÉ. This work will give to the pupils the indispensable minimum of literary culture, and will enlarge their intellectual horizon. Part for the pupil, in boards, 1 fr. 60; Part for the teacher, in boards, 4 fr. (*plus a temporary increase of 100%*).

COURS DE GRAMMAIRE CLAUDE AUGÉ. The French Grammar used in the majority of schools in France and abroad; simplified for foreigners like no other French Grammar. Four books: **Grammaire enfantine**, for the beginners (book for the scholar, 50 centimes; book for the teacher, 1 fr.); **Grammaire, cours élémentaire** (part for the pupil, 80 centimes; for the teacher, 2 fr.); **Grammaire, cours moyen** (part for the pupil, 1 fr. 25; part for the teacher, 3 fr.); **Grammaire, cours supérieur** (part for the pupil, 1 fr. 75; part for the teacher, 4 fr.) (*plus a temporary increase of 100%*).

LIVRES ROSES POUR LA JEUNESSE

Two volumes monthly (every 1st and 3rd Saturday). Each volume contains 32 pages, illustrated with numerous plates, 20 centimes (post free, 25 centimes). Yearly subscription: 6 francs.

(Only yearly subscriptions received, running uniformly from the 1st of January onward.)

All these Publications to be had from LIBRAIRIE LAROUSSE, 13-17 rue Montparnasse, PARIS (6^e) and their agents throughout Great Britain. PROSPECTUS ON APPLICATION.

Nature Study Society.

Mr. Wilfred Mark Webb, The Hermitage, Hanwell, W. 7.

Physical Education and Improvement (Incorporated) National League, for.

Miss Halford, 4 Tavistock Sq., W.C. 1.

"Professional Women's Register," with which is incorporated "The Register of the Federation of University Women." (d) Prorex, May, London. (e) Mayfair 5955. Officer-in-Charge, 16 Curzon St., W. 1.

Pupil Teachers' Central Classes, Federation of Teachers in.

Mr. G. M. Handley, B.A., Secondary School, Oldham.

Schools Mutual Aid Society.

The Hon. M. Cordelia Leigh, Stoneleigh Abbey, Kenilworth.

Secondary, Technical and University Teachers' Insurance Society.

Mr. C. J. Mills, 10 Mecklenburgh Sq., W.C. 1.

Sloyd Association of Scotland.

Mr. Henry G. Paterson, Deanbank Cottage, Edinburgh.

Société pour la Propagation des Langues Etrangères en France.

Encourager l'étude par les Français des principales langues européennes et exotiques. 3,000. 10 francs. (c) *Bulletin de la Société*. (e) Gobelins, 23-18. Mr. G. Lemain, L'Agent Général, 28 rue Serpente (Hôtel des Sociétés Savantes). Paris 6e.

Teachers Registration Council, The. (Constituted by Order in Council, February 29, 1912.)

Registration fee, £1. 1s. No subscription. (c) "Official list of Registered Teachers." (d) Teregiscon, Westcent, London. (e) Museum 2479. (f) The Council meets on the third Friday of the month, school vacations excepted. Mr. Frank Roscoe, M.A., 47 Bedford Sq., W.C. 1.

Teachers' Training Syndicate. University of Cambridge. (e) Cambridge 205. Mr. W. G. Bell, M.A., 1 St. Mary's Passage, Cambridge.

Teachers' War Service Committee.

(d) Institute, Edinburgh. (e) Central 5160. Mr. Hugh Cameron, 34 North Bridge, Edinburgh.

Technical Institutions, Association of.

106. £2. 2s. (d) Education Office, Bolton. (e) Bolton 288. Mr. F. Wilkinson, Municipal Technical School, Bolton.

University Extension Guild.

150. 5s. Messrs. A. P. Griffiths and A. Browne, c.o. The Registrar, University Extension Board, University of London, S.W. 7.

Women's Educational Union.

2,000. 2s. 6d. (c) *Pass it On*. (f) May 9, Christian Institute, Glasgow. Miss J. Bryson, 373 Albert Rd., Langside, Glasgow.

Women Teachers, National Federation of.

To secure equal opportunities and equal payment for women with men in the teaching service. 2s. 6d. (c) *Schoolmistress*. (e) Central 725. (f) Whit-week. Miss E. E. Froud, Memorial Hall, Farringdon St., E.C. 4.

CONTINUATION SCHOOLS IN INDUSTRIAL AREAS.—In a paper on "Technical Education and its Relation to the Engineering Industry," which Principal Schofield, of Loughborough, recently delivered to the Association of Technical Institutions, he described what should be the character of the part-time education in continuation schools in industrial areas. Speaking primarily as an engineer, he said it is most essential that in such areas a fair proportion of this time should be given to vocational studies. A certain amount of physical culture would be desirable, and also broad studies in the elements of citizenship; but the larger period should be definitely given to studies which have a direct bearing upon the daily work of the student. It is admitted that for those engaged upon the lower types of industrial work one of the chief difficulties will be that of discipline and maintenance of continued interest. This part of the problem would be largely solved by giving to such students actual craft training upon productive work. There is tremendous scope in this direction for the day continuation course in the technical school, so as to give a young person a broader outlook upon actual work than is possible under the restricted conditions of the commercial firm. All kinds of working difficulties may be explained, reasons for and against methods illustrated, and experiments upon actual working conditions tried. If such a course as this were adopted there is much to be said in favour of the suggestion that the part-time attendance should be arranged so as to take place during part of one week in every three.

Sidgwick & Jackson, Ltd.

Advance in Co-Education

Articles by various authors, edited by **Alice Woods**. With an Introduction by **Homer Lane**. 3s. 6d. net. [Shortly.]

The
Young Wage-Earner
and the Problem of his Education

Essays and Reports, edited by **J. J. Findlay**, with the Committee of the Uplands Association. 3s. 6d. net.

An Adventure in Education

By **J. H. Simpson**.

3s. 6d. net.

Child Training :
Suggestions for Parents and Teachers

By **Mrs. Arthur H. D. Acland**.

2nd Impression. 3s. 6d. net.

Modern English Writers :
Being a Study of Imaginative
Literature, 1890-1914.

By **Harold Williams**. Demy 8vo. Pp. xxx, 504. 12s. 6d. net.

* * A comprehensive account of the work of all the more important writers of the period dealt with. The best book of reference for all interested in modern English literature.

"An excellently and often brilliantly written, sane, and refreshing book."—*The Spectator*.

The Glory that was Greece :
A Survey of Hellenic Culture
and Civilisation

By **J. C. Stobart**.

Third Impression now ready.

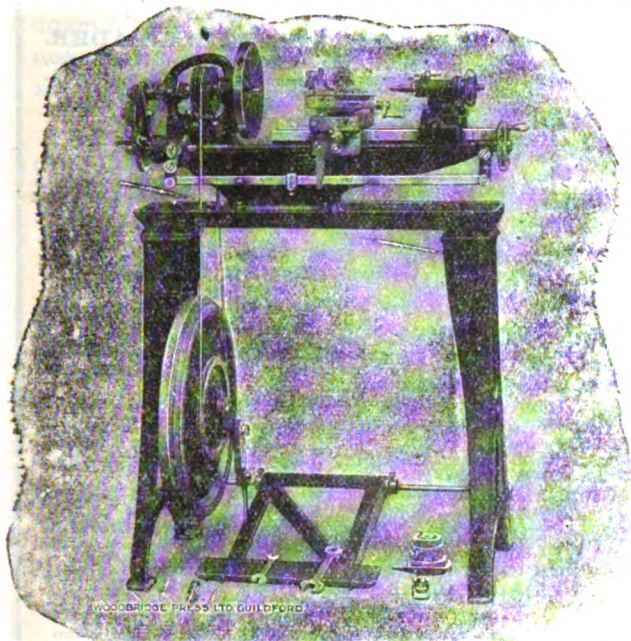
15s. net.

Sidgwick & Jackson, Ltd.,

3 Adam Street, Adelphi, W.C. 2.

DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable. DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable. The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work.



As supplied by the British Admiralty.
Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a
REGISTER OF TEACHERS

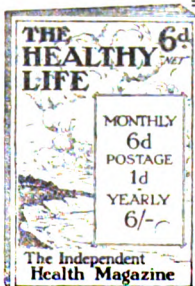
is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C. 1.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

¶ Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W. 1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



A new and original work by a successful Head Teacher and Gardener.

172 Pages, Demy 8vo, Illustrated, and bound in stout Cloth Boards. 3/6 net. Post free, 3/10 net.

EDUCATIONAL GARDENING.

BY

ROBERT HOGG, F.R.H.S.

Instructor of Gardening to the Derbyshire Education Committee.

Extract from Introduction by Mr. ARTHUR HOUGH.

This book will prove a reliable guide to teachers, scholars, and others interested in Horticulture who wish to possess a good knowledge of facts and principles necessary for successful practical work, whether connected with school and cottage gardens or allotments. The writer, whose practical experience extends over many years, deals with sound methods of cultivation in a concise and clear manner. The pursuit of Horticulture acts beneficially on body and mind, it readily lends itself to experiment, sharpens the power of observation, anticipates results, and is a wholesome and profitable recreation.

LONDON:

A. BROWN & SONS, Ltd.,

5 Farringdon Avenue, E.C. 4, and at Hull and York.

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C. 2,

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

Published by **BLACKIE & SON, Ltd.****LATIN**

A FIRST LATIN COURSE. By ERNEST H. SCOTT, B.A., late Head Master of Boys' Secondary School, Barberton, Transvaal, and FRANK JONES, B.A., Assistant Master, King Edward's School, Aston, Birmingham. **1s. 9d. net.**

A SECOND LATIN COURSE. By ERNEST H. SCOTT, B.A., and FRANK JONES, B.A. Illustrated. **2s. 6d. net.**

A FIRST LATIN GRAMMAR. To accompany and complete Scott and Jones's Latin Course. By ERNEST H. SCOTT, B.A., and FRANK JONES, B.A. **2s. 6d. net.**

AN INTERMEDIATE ORAL LATIN READER. Based on Cicero's *De Senectute*, with extracts from Martial and Horace. By FRANK JONES, B.A. Illustrated. With or without Vocabulary. **2s. 6d.**

BLACKIE'S LATIN PLAIN TEXTS.

General Editor—W. H. D. ROUSE, Litt.D., Head Master of the Perse Grammar School, Cambridge. **8d. net and 10d. net.**

A series for use in the first two or three years of the study of Latin. Each volume has a short introduction dealing with the author's life and works, his style, and the subject of the book. All vowels long by nature are marked; thus the pupil, learning the quantity as an essential part of the word and pronouncing aright from the first, will not make mistakes when later he comes to use an unmarked text.

Authors.

**CAESAR.
EUTROPIUS.
LIVY.
TIBULLUS.**

**CICERO.
HORACE.
NEPOS.
VIRGIL.**

Editors.

**W. H. D. ROUSE.
W. H. S. JONES.
J. P. POSTGATE.**

**J. S. REID.
E. SEYMER THOMPSON.
S. E. WINBOLT.**

BLACKIE'S ILLUSTRATED LATIN SERIES.

Richly Illustrated by Text Cuts and Plates in Half-Tone.

General Editor—Prof. R. Y. TYRRELL, Litt.D., D.C.L.,
Late Fellow of Trinity College and Regius Professor of Greek in the University of Dublin.
Price with a few exceptions, **1s. 6d. net each.**

Authors.

**CAESAR.
CICERO.
EUTROPIUS.
HORACE.
LIVY.
TERENCE.**

**OVID.
PLAUTUS.
QUINTUS CURTIUS.
SALLUST.
TACITUS.
VIRGIL.**

Editors.

**J. RANKINE BROWN.
W. CECIL LAMING.
W. J. HEMSLEY.
JOHN ASTON.
G. H. WELLS.
H. B. COTTERILL.
C. FLAMSTEAD WALTERS.
S. E. WINBOLT.**

**C. H. KEENE.
G. G. LOANE.
ERNEST ENSOR.
F. R. G. DUCKWORTH.
J. HENSON.
W. A. STONE.
PHILIP SANDFORD.**

A FIRST LATIN READER. By R. A. A. BERESFORD, M.A., Head Master of Lydgate House Preparatory School, Hunstanton. With Coloured Frontispiece, 69 Illustrations, long vowels marked, and Vocabularies. **2s. net.**

ROMAN LIFE AND CUSTOMS. A Latin Reader. By R. A. A. BERESFORD, M.A., and E. C. SMITH, B.A., formerly Scholar of Corpus Christi College, Oxford. With Vocabulary. Illustrated. **2s. net.**

EXCERPTA BREVIA. By W. H. S. JONES, M.A., and R. PARKER SMITH, B.A., Assistant Masters at the Perse School, Cambridge. With Vocabulary, or interleaved for Teachers' Notes (no Vocabulary). **1s. 6d. net** either style.

LATIN ELEGIAC VERSE-WRITING. Modelled upon Ovid. By W. J. HEMSLEY, M.A., Assistant Master, Clifton College, Bristol, and JOHN ASTON, M.A., Head Master, St. Clare School, Walmer. **2s. 6d. net.**

STORIES FROM CICERO. Edited, with Introduction, Notes, Exercises, and Vocabularies, by A. C. LIDDELL, M.A., Westminster School. **1s. 6d. net.**

STORIES FROM OVID. Edited, with Introduction, Notes, and Vocabulary, by A. H. ALLCROFT, M.A., late Scholar of Christ Church, Oxford. **1s. 6d. net.**

A FIRST VIRGIL. Edited by GEORGE YELD, M.A., formerly Scholar of Brasenose College, Oxford; Senior Assistant Master in St. Peter's School, York. Illustrated. **1s. net.** With Vocabulary. **1s. 9d. net.**

Containing easy selections from the works of Virgil, with very brief notes.

FIRST STEPS IN CONTINUOUS LATIN PROSE. By W. C. FLAMSTEAD WALTERS, M.A., Professor of Classical Literature, King's College, London. **2s. net.** Key (for Teachers only). **2s. 6d. net.**

GREEK

A FIRST GREEK COURSE. Introducing beginners to Greek authors in their first year. By W. H. D. ROUSE, Litt.D., Headmaster of the Perse Grammar School, Cambridge. **2s. 6d. net.**

A GREEK READER. By W. H. D. ROUSE, Litt.D., For use along with Rouse's *First Greek Course*, or any Beginner's Book of Greek. **2s. 6d. net.**

A GREEK BOY AT HOME. An original Greek story specially written for use with Rouse's *First Greek Course*. By W. H. ROUSE, Litt.D. With Vocabulary in pocket of cover. **3s. 6d. net.** In use at Eton College.

A FIRST GREEK READER. By R. A. A. BERESFORD, M.A., Head Master of Lydgate House Preparatory School, Hunstanton; and R. N. DOUGLAS, M.A., Head Master, Giggleswick School. Copiously illustrated. **3s. net.**

BLACKIE'S ILLUSTRATED GREEK SERIES.

General Editor—Prof. R. Y. TYRRELL, Litt.D., D.C.L.

This series is similar in aim and general arrangement to *Blackie's Illustrated Latin Series*. The volumes, unless the contrary is stated, are published with or without vocabularies.

Aeschylus—EUMENIDES. Edited by L. D. BARNETT, M.A., Litt.D., formerly Scholar of Trinity College, Cambridge. **3s. 6d. net.** (No Vocabulary.)

Euripides—ALCESTIS. Edited by A. J. TATE, M.A., Owen's School, Islington. **2s. net.**

Euripides—CYCLOPS. Edited by the Rev. J. HENSON, M.A., late Head Master, Cathedral School, Hereford. **2s. net.**

Euripides—MEDEA. Edited by HAROLD WILLIAMSON, M.A., Grammar School, Manchester. **2s. net.**

Homer—ILIAD XVIII. Edited by Professor J. ARTHUR PLATT, University College, London. **2s. net.**

Homer—ODYSSEY I. Edited by the Rev. E. C. EVERARD OWEN, M.A., Harrow School. **2s. net.**

Plato—CRITO. Edited by A. S. OWEN, M.A., Cheltenham College. **2s. 6d. net.** (No Vocabulary.)

Xenophon—ANABASIS II. Edited by the Rev. G. H. NALL, M.A., Westminster School. **2s. net.**

Xenophon—ANABASIS III. Edited by A. C. LIDDELL, M.A., Westminster School. **2s. net.**

Xenophon—ANABASIS IV. Edited by the Rev. G. H. NALL, M.A. **2s. net.**

Prospectuses post free on application.

**BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.**

OXFORD AND CAMBRIDGE

LOCAL EXAMINATIONS, 1920.

S. denotes the Senior Examination, J. the Junior Examination,
P. the Preliminary Examination.

OXFORD.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d. (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s. (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s. (S., J., P.)

English Literature.

- CHAUCER—THE PROLOGUE TO THE CANTERBURY TALES.** By A. J. WYATT, M.A. With Introduction, Text, Notes, and Glossary. 1s. 6d. (S.)
MACAULAY—HORATIUS, LAKE REGILLUS, THE ARMADA. By A. J. F. COLLINS, M.A. 1s. 6d. (S.)
MILTON—COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d. (J.)
SHAKESPEARE—KING JOHN, MERCHANT OF VENICE, MIDSUMMER NIGHT'S DREAM, TEMPEST, TWELFTH NIGHT. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
SHAKESPEARE—JULIUS CAESAR. (Tutorial Shakespeare.) 2s. 3d. (S., J.)
SHAKESPEARE—AS YOU LIKE IT, MERCHANT OF VENICE, THE TEMPEST. (Junior Shakespeare.) Each 1s. 9d. (J.)
SHAKESPEARE—CORIOLANUS. (Tutorial Shakespeare.) 2s. 3d. (J.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By LL. M. PENN, M.A. (School Latin Classics.) 1s. 9d. (S.)
CAESAR—GALLIC WAR, BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d. (S., J.)
CICERO—DE AMICITIA. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d. (S.)
VERGIL—AENEID, BOOK IX. By J. F. RICHARDS, M.A. 1s. 9d. (S.)
VERGIL—AENEID, BOOK X. By A. H. ALLCROFT, M.A., and J. F. STOUT, M.A. 1s. 9d. (S.)
EURIPIDES—HECUBA. By T. T. JEFFERY, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)
XENOPHON—ANABASIS, BOOK IV. By W. H. BALGARNIE, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)

FOR DISTINCTION.

- SALLUST—CATILINE.** By T. M. NEATHY, M.A., and B. J. HAYES, M.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s.
SOPHOCLES—ANTIGONE. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. Introduction, Text, and Notes. 3s.

CAMBRIDGE.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d. (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s. (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s. (S., J., P.)

English Literature.

- MILTON—COMUS, LYCIDAS.** By S. E. GOGGIN, M.A. Each 1s. 6d. (S.)
MILTON—SONNETS. By W. F. MASOM, M.A. Second Edition. 2s. (S.)
SCOTT—LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s. (P.)
SCOTT—LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s. (J.)
SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. (Junior Shakespeare.) 1s. 9d. (J.)
SHAKESPEARE—TEMPEST, HAMLET. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
TENNYSON—COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. (In the press.) (J.)
ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d. (S.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d. (J.)
LIVY—BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
TACITUS—AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
VERGIL—AENEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. 1s. 9d. (J., S.)
EURIPIDES—MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d. (J.)
XENOPHON—ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s. (J.)

* Text, with Introduction, Notes, and Maps.

† Text, with Introduction, Notes, and Complete Alphabetical Vocabulary.

Complete Catalogue of Class Books for the Oxford and Cambridge Local Examinations, post free on application.

University Tutorial Press, Ltd.
High Street, New Oxford Street, LONDON, W.O. 2.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	... £5 10 0	One Column (½ page)	£3 0 0
Half Column (½ page)	1 15 0	One-Eighth Page	... 0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

- Scholarships, Official Notices, School Transfers, Partnerships, &c.—
6d. per line; minimum charge, 5s.
Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d. *prepaid rate.*
Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each 8 words after, 6d.; *prepaid rate.*

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C. 4;

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London City and Midland Bank, Ludgate Branch." *Postage stamps can only be received at the rate of thirteen to the shilling.*

Notice must be given of all remittances through the Post Office from abroad, stating *full name and address* of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C. 4.

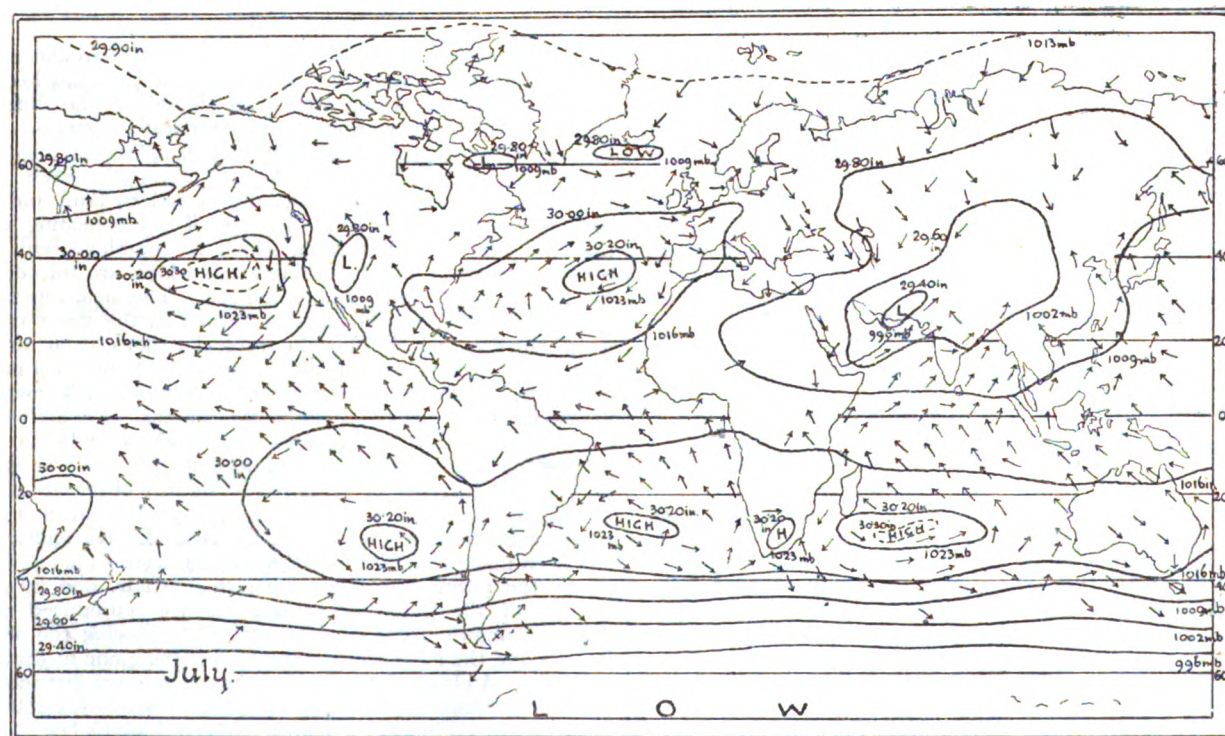
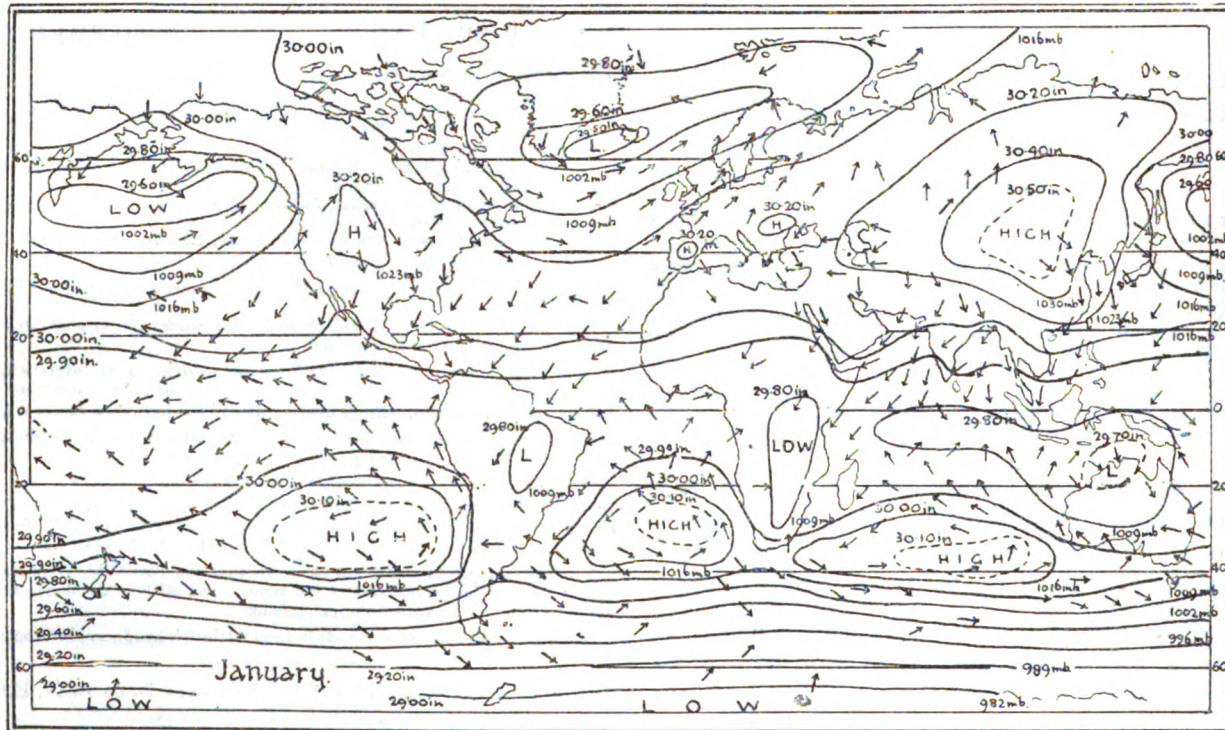
THE WIND CURRENTS OF THE WORLD.

IN considering the subject of world wind circulation, a method not infrequently adopted in the past has been to regard the actual winds which are found in the different regions as being composed of two separate systems. The first consists of an ideal "planetary system," which might be supposed to exist if the earth were covered entirely with water, and the disturbing effect introduced by land and sea masses with their different degrees of solar heating were absent. The second system, which is combined with the above, consists of the disturbing winds which are introduced by the unequal heating of land and sea. The most outstanding example of the first class is formed by the great trade-wind currents, which blow in tropical regions from North-east in the northern hemisphere, and from South-east in the southern; while of the second class the winds known as monsoons stand out as pre-eminent examples. For conveying a clear but rather rough picture of world circulation this method has something to recommend it; but a closer study of the wind currents as actually revealed by observation has led of late to any such method of attempted separation into two systems becoming somewhat discredited. No endeavour has been made to follow it in the present case.

For the purpose of illustrating this article, and by permission of the publishers, two maps are reproduced from "Bartholomew's Atlas of Meteorology," showing the mean isobars and the mean wind currents over the globe in January and July. A close relation exists between pressure distribution and wind circulation in all parts of the earth, this relation being contained in what is known as Buys Ballot's law. This law states that if an observer stands with back to the wind the low pressure will be found to the left, and the high pressure to the right in the northern hemisphere, the converse being true in the southern. It has been demonstrated mathematically that this law follows from the rotation of the earth on its axis, and its consequence is that winds tend to flow

spirally inwards on the earth's surface towards a low pressure centre, and spirally outwards from a high instead of directly from high to low pressure, as would be the case if the earth did not rotate. This principle of the relation between wind flow and pressure is of great importance in all wind studies.

"low" a low pressure region, or depression. The wind circulation is indicated by arrows, which fly with the wind. It will be seen that equatorial regions form a belt of low pressure, on each side of which are areas of tropical anti-cyclones located in about 30° N. and S. latitude. Beyond



The maps reproduced show isobars drawn in most cases for every two-tenths of an inch of mercury. Values are also attached to the isobars showing the pressure in the more scientific pressure unit of millibars. The word "high" indicates a high pressure area, or anticyclone; the word

these again pressure falls off towards the poles. The equatorial low pressure is a region of calms, or light airs, known as the "Doldrums," while calms also occur in the central parts of the anti-cyclones to the north and south. These regions are sometimes referred to as the "Horse Latitudes."

The best examples of the North-east and South-east trade-wind currents are found in the eastern parts of the Atlantic and Pacific Oceans, where these winds blow slantingly from the high-pressure regions towards the equatorial low-pressure area in streams some two thousand miles in length, and one thousand or more in breadth. A vast volume of air is delivered into equatorial regions every day by these trade wind currents. Its dispersal seems to be effected in two ways. Some of the air flows on to the westward, and thereafter curves away from the equator, as an East-south-east or South-east wind in the northern hemisphere, and an East-north-east or North-east current in the southern. These currents may be traced in the western parts of the Atlantic and in mid-Pacific. The rest of the air, after reaching the "Doldrums," rises and forms an easterly current, blowing with increasing strength, with increase of height above the surface. This easterly current branches towards the north and south in the northern and southern hemispheres respectively. Considering the sequence in our own hemisphere, the easterly wind turns successively into a South-east, South, and South-west current as it advances northward, and as a South-west wind feeds the upper part of the tropical anti-cyclones. Descending in these regions, it forms part once more of the North-east trade-wind at the surface. This descending air current, which becomes warm and dry by compression, accounts for the fine, bright weather of the "Horse Latitudes," while the ascending air in equatorial regions causes the moist, cloudy atmosphere of the "Doldrums."

It will be seen that over the North-east trade-winds the above system includes a wind blowing from the South-west—that is, in direct opposition to the trade-wind below. This current is known as the counter-trade. Its existence has been ascertained from observations of cloud motion, and more recently by means of small free balloons, or pilot balloons, the motion of which as they rise is observed through a theodolite. Corresponding North-west counter-trades are found above the South-east trades of the southern hemisphere. The system of winds so far described, including the calms of the "Horse Latitudes," the trade winds, and the "Doldrums," is directly connected with the solar heating of the earth, and fluctuates to and fro in a north and south direction with the changing seasons, following the sun with a time lag of from two to three months. Thus the system reaches its most northerly position in August or September, and is furthest south in February or March. An interesting consequence of this motion is that certain localities lie in one part of the system in the summer, and in another part in the winter. Thus the Canary Islands lie in the North-east trades in the northern summer and in the calms of the "Horse Latitudes" in winter.

It has been mentioned that poleward from the high-pressure regions, which lie in 30° N. and S. latitude, pressure decreases. This is particularly the case in the southern hemisphere, where the fall of pressure is relatively rapid. This is a region of strong westerly winds, which extend almost without break around the globe in latitudes 40°-60° S. The corresponding currents are less well marked in the northern hemisphere, but may be traced in the North Atlantic and North Pacific. They are frequently broken up by travelling depressions, so that at times the general westerly character of the wind is almost hidden, and becomes revealed only on a close analysis of the daily records. These travelling depressions are often somewhat shallow, and above them blow the prevailing westerlies undisturbed.

The most important wind currents which remain to be described are the monsoons, a term which is applied to winds which reverse their direction twice in the course of each year. Reference to the charts of world-pressure will show that in either hemisphere the solar heating during the summer months leads to the formation of low-pressure areas over the great continents, while conversely in the winter half-year the severe cooling by radiation leads to the formation of great anti-cyclones in the same regions. The spirally inflowing winds around these summer continental depressions and the spirally outflowing currents around the corresponding winter anti-

cyclones form the great monsoon currents of the world. Monsoonal winds may be traced in many parts of the earth, but the best known example is the extensive current which owes its origin to the Asiatic land mass. That part of it which blows over India is known as the Indian monsoon; but reference to the charts will show that it is really part of a much larger current, which in the summer months blows in one vast stream from the South-west over the whole of India and Burma, and, curving round, blows from South or South-east on the China coast. In the winter months, when Asia is a region of high pressure, the circulation is reversed, and the monsoon blows from North-west on the China coast and over Japan, and from North or North-east over India and the northern part of the Indian Ocean. These monsoonal currents are of great importance to the climate of India, the South-west monsoon bringing large quantities of water from the Indian Ocean in the form of vapour, which condenses and falls as rain over India. A failure of the monsoon leads to a deficiency of rainfall, and has, consequently, very serious effects upon the local crops and the prosperity of the country. It has been demonstrated that the monsoonal currents are comparatively shallow, being not more than two or three miles in depth. On the China coast, in about 30° N. latitude, the upper currents blow from the West throughout the year.

The above is an outline of the more important winds of the globe. Our knowledge of the movements of the upper parts of the atmosphere is still somewhat scanty for many parts of the earth, and in any account such as the present it is necessary to deal chiefly with the surface. As further meteorological research is undertaken, it will become more and more possible to extend such a summary to include the currents at all levels over the whole surface of the globe.

J. S. D.

UNIVERSITIES AND SCHOOLS.

UNIVERSITY NOTES.

The report of the speeches made at the recent influential gathering of representatives of the British Universities has just been made public. The representatives were received by the Chancellor of the Exchequer and the President of the Board of Education, as a deputation charged by their respective Universities to lay before the Government the whole question of the position of the Universities in our educational fabric, and to plead for more generous assistance from the State. As to maintenance, Sir Oliver Lodge pointed out, as stated in an article by Prof. R. A. Gregory in *Nature* of August 15 last, that German Universities received some 72 per cent. of their income from the State, while each of five Universities in America received nearly £400,000. The total amount received by colleges in England and Wales from the Exchequer is only £300,000! He asked, therefore, that the present grant should be at least quadrupled.

Sir Bertram Windle put the case for better salaries for University teachers. Those in other branches of the profession should be interested to learn that a full-time professor in Ireland gets £250 per annum, and that the maximum at the best-paid college there is only £800. Incidentally, it is understood that a movement is on foot in England to form an Association which shall represent the interests of all University teachers; such an organization has been badly needed for years.

The Chancellor, in replying to these speakers, pointed out the danger that the Treasury might refuse any demand which did not tend to reduce the burden of debt, though he himself did not agree with that view. On the contrary, he believed that money spent judiciously on education was money that would repay the State.

After describing the inadequacy of superannuation at the Universities, Sir Alfred Dale stated that, so far as the Northern and Midland Universities were concerned, probably 70 per cent. of the students began their education in elementary schools. When a boy or girl could remain at a secondary school until the age of eighteen, he or she had little difficulty in obtaining a University training. The real trouble lay in the lack of exhibitions and scholarships to enable students of fifteen and sixteen years of age to stay on at their secondary schools.

The President of the Board of Education answered the deputation very sympathetically. He expressed his conviction that there

must be more liberal assistance from the State, but emphasized the paramount importance of preserving University autonomy.

OXFORD.

The perennial question, whether Greek shall be compulsory at the University came up at Oxford on March 4, when Congregation carried the preamble to a new statute, one effect of which will make Greek no longer compulsory at Responsions. The voting eventually was 123 to 63, but the matter at issue was not, strictly, Greek or no Greek, but the adoption of a combination of four subjects, of which Greek may, or may not, be one for the examination. In addition to the stock arguments, one speaker pointed out the change in the class of the schools from which Universities now draw their students—Municipal, County, and the like. This Prof. Headlam declared to be pure opportunism.

Prof. Murray stated that out of 160 British-speaking Universities, Oxford and Cambridge were the only two which definitely based their culture on the classics. He voted for the preamble, apparently partly on account of the impossibility of keeping up classics by compulsion.

CAMBRIDGE.

Many teachers throughout the country will regret to hear that Sir J. J. Thomson is resigning his position as Cavendish Professor of Experimental Physics in the University of Cambridge. This is a loss which will be felt not only in the University itself, where he has done so much to develop the teaching of natural science and has so worthily maintained the reputation of English science abroad, but also by teachers generally, to whom he has been so long an example and an inspiration.

LONDON.

The tenth Annual Report of the Military Education Committee of London University contains some suggestive figures. The total number of Commissions granted since the War began to cadets, ex-cadets, graduates, and students is now no fewer than 4,413, of whom 584 have fallen. The number of distinctions gained during the same period is 1,175. In addition, at the request of the War Office, graduates and students at the University with training in chemistry enlisted for special service with the Royal Engineers for service overseas.

Elections to fill vacancies on the Senate will be held in May, and will be fought almost entirely on the burning question of the reconstruction of the University—which, in practice, means mainly the continuing or abolition of the "external" degree. Whereas many highly placed officials are in favour of the latter course, the University Graduates' Association is in strong opposition, holding that the recommendations of the Haldane Commission should not be enforced, feeling strongly that no alteration of constitution or status should come except by mutual consent. The question is one which so closely affects teachers who are graduates of the University that they should carefully consider their position before the election.

Both King's and University College have taken their full share in War activities, apart from active service. In the case of the former, the head of the Chemical Department, Sir Herbert Jackson, K.B.E., was chosen as director of the new Government British Scientific Instrument Research Association. The Admiralty brought many problems to the physics department, including thermionic devices and questions from the anti-submarine department. Students at the College, present and past, may be reminded that M. Venizelos, when he returned to power, at once persuaded his government to make an annual grant for the establishment at the college of a chair of Modern Greek; and that Dr. Masaryk, first President of the Czecho-Slovak Republic, is a member of its Professorial Staff.

Nor has University College lagged behind in similar work. The War hit the College hard financially, so that economy has been practised and expenditure deferred wherever possible. In addition to its valuable contributions during the War, it has arranged special courses in all faculties to meet the needs of students returning from War service. As at King's, special attention is being given to modern languages. A Department of Scandinavian studies is well under way, and the Department of Italian has been extended. The College is only waiting for funds to institute a chair of Dutch studies.

WALES.

The University College, Aberystwyth, has somewhat anticipated the activities of the University Extension Board by arranging for a series of lectures by the staff in the vicinity. No doubt this scheme

will be of great help to the adult population of the neighbourhood, and it will also react beneficially on the College by enlisting greater sympathy and support.

Swansea College.

A committee of experts appointed by the Privy Council have been investigating the claims of the College to become a Constituent College of the University, and there is therefore much anxiety locally as to their report. The visitors were: Prof. T. Hudson Beare, Edinburgh (engineering); Prof. G. A. Gibson, Glasgow (mathematics); Prof. E. H. Griffiths, Cambridge, late of Cardiff (physics); Prof. Sir William Pope, Cambridge (chemistry); Prof. H. C. H. Carpenter, South Kensington (metallurgy); Sir George Foster, London University (art); and Prof. Matheson, Cambridge (art); two representing art and five science.

The salary question is still to the fore in many parts of South

Wales in spite of the increases which have been granted by the Education Authorities. A determined attempt is being made by the various

organizations to force the Committees to adopt the scales recently recommended by the Departmental Committees, which are in the great majority of cases far more generous than the existing scales. In the Rhondda, about a thousand teachers have tendered their notices. In Pembroke, a similar action has taken place; the notices terminating on March 31. The assistant masters under the Glamorgan Authority have also met at a Conference to discuss the situation, and to decide on their future action, and hints of a strike have been given, though it is difficult to see how in their case they would be in a position to exercise much pressure on an obstinate authority owing to the lack of funds and organization. In the larger boroughs conditions are more satisfactory, but the above instances tend to show that the prevailing spirit of unrest and dissatisfaction with existing conditions, has permeated even the teaching profession, and this is not to be wondered at when we remember how insufficiently paid they have been in Wales in the past, and how unattractive their conditions of service generally.

The Cardiff College Council have decided to advertise for a new principal at a salary of £1,000 per annum. At the meeting, Mr. Percy Watkins made the interesting suggestion that the appointment should be referred to the University Commission, but it received rather scant support, probably because the Council did not feel justified in shirking its responsibility towards the College in such an important matter affecting its welfare.

The annual inter-collegiate meetings were held during the last week in February, and they appear to have been most successful. These gatherings have been suspended during the period of the War, but the return of the soldier-students has made it possible to reawaken interest in them; and the proceedings were marked by considerable "liveliness" and enthusiasm. Delegates are interchanged between the Colleges for hockey, football, dramatic entertainments and debates. There were also representatives from various provincial Universities at an Inter-University debate. These included Birmingham, Manchester, Liverpool, and Sheffield. During the current term at the three Colleges the whole College aspect has changed, and every activity is being pursued with genuine enthusiasm and energy, all of which augurs well for the efficiency of the reorganized University of the future.

The Denbighshire Education Authority have at last decided to establish a Girls' School at Ruabon. For some

Education Authorities.

reason or other, no provision was made in the scheme under the Welsh Intermediate Education Act to convert the existing Grammar School into a Dual School, though the smallness of the population fully justified such a change. The majority of the girls in the district were, therefore, obliged to attend the neighbouring schools at Llangollen or Wrexham. Now that the desirability of establishing a local school has been forced on the Committee they are faced with the difficulty that the county scheme does not allow it to be done, and a revision of the scheme is a cumbrous and slow matter. They have, therefore, resolved to establish the school under the Education Act, 1902, in other words, as a Municipal Secondary School. This is not a satisfactory solution of the problem, as it has been felt for a long time that this procedure, which has also been followed rather extensively in Glamorgan, tends to disorganize our intermediate school system, and to create difficulties between the Board of Education and the Central Welsh Board. So far, North Wales has not established any Secondary School outside the Welsh Intermediate Education Act, and it is unfortunate that the Denbighshire Authority has not been able to find some other solution of this problem.

The same Committee have also taken the rather novel step of

University Extension.

allowing religious instruction in the elementary schools to be conducted entirely in the Welsh language in the bilingual districts. Hitherto, such instruction has been given in English, and it would be interesting to know the reason which induced the Committee to make this alteration.

As evidence of the influence of the Education Act on the Welsh Counties, reference may be made to the appointment of an organiser of physical exercises, as well as an instructress for the primary schools in Montgomeryshire. This is a most valuable innovation, and it should be followed by other Education Committees, because we have often been taunted in Wales that far too little attention has usually been given to the physical development of the child. Even the specialist inspector of the Central Welsh Board, in her earlier reports, laid much emphasis on the supposed under-development of the average pupil attending the Intermediate Schools, and though these criticisms did not by any means receive any general support or credence, yet it was agreed that in the elementary schools, from whom these pupils were largely drawn, there had been far too much neglect of this aspect of school life.

The Carnarvonshire Education Committee propose to open a central school at Bangor similar to the schools already opened at Carnarvon and Llandudno. The Committee are of opinion that the absence of such a school leads to the stoppage of the education of practically all the pupils above the compulsory school age in the city, as only five such pupils remained in the elementary schools as against 217 in Carnarvon. These Central Schools are a special creation of the County, and it is, therefore, not easy to assign to them their true function in the general scheme. One would have thought that it would have been wiser to postpone this decision as regards Bangor until the effect of the new Education Act was understood, and that it is a somewhat doubtful policy for them to complicate the general school system of the County. What, for instance, will be the relationship of this type of school to the continuation schools?

In the boroughs the problems arising from the new Act are, if anything, more complex than in the counties. In Swansea, for example, there are special difficulties to be faced owing to the recent extension of the borough, as well as to its great industrial importance, and the need of commercial and technical facilities. The Education Committee, on the report of the Director of Education (Mr. T. J. Rees), will, therefore, wisely proceed to appoint several committees, on whom experts will be co-opted to discuss various schemes of development in the borough, and to take a general survey of the whole position.

The recently issued report of the Appointments Board for Wales testifies to the excellence of its work during the year 1918. It is gratifying to note that the existence of the Ministry of Labour has not in any way hampered the work of the Board; on the contrary, there has been the friendliest co-operation between them. Nor need there be any overlapping, because the Appointments Department of the Ministry of Labour does not concern itself at all with money; its function is limited to finding employment within the district, and the task of dealing with the product of the Welsh secondary schools will remain with the Board.

The information supplied by the Appointments Board is most valuable to all candidates for posts, and ample guidance can always be obtained from the Secretary. The extent of the work is shown by the fact that 1,212 vacancies were notified to the office, comprising educational, secretarial, and clerical vacancies. Vacancies in factories and similar places were also notified, and a large number of posts were filled during the year—80 teaching appointments, 26 secretaries, 3 head masterships, &c. Under peace conditions, no doubt the usefulness of the Board will be much further extended, and if due advantage is taken of this organization by the colleges and schools, they will benefit greatly.

SCOTLAND.

The Annual Report of the Carnegie Trust for the Scottish Universities contains an account of the operations of the Trust during its third quinquennium. War conditions have seriously affected the work under the scheme for the endowment of research. The services of young men have not been available for research, and the published output has been adversely affected by the confidential nature of much of the work of Fellows and Scholars in Chemistry. Nevertheless, the reports of the experts give convincing testimony, not only to the value of the work done, but also to the assistance it has given to various public departments during the War, and to its stimulating effect on academic life in general. During the five

years there were awarded 62 Fellowships, 86 Scholarships, and 173 grants; but there were actually at work only 54 Fellows, 68 Scholars, and 151 grantees. The output has been 38 books, and 286 contributions to journals of learned societies. The cost of the scheme during the five years has been £27,540, which is over £8,000 less than was expended during the quinquennium 1908-13. Three Fellows and six Scholars lost their lives on war service. The Trustees have offered annually an Essay Prize of £100 within the departments of History, Economics, and Modern Languages and Literature. There have been eleven competitors, but the prize has only once been awarded, when in 1915 it was given to Dr. McIver, now Associate Professor of Political Science in Toronto University, for his book on "Community."

The total grants which have been made under Clause A of the Trust Deed during the last sixteen years have amounted to £662,633, including—for libraries, £64,775; for new buildings and permanent equipment, £338,513; and for endowment of Chairs and Lectureships and other purposes, £259,345. The Trust has thus assisted in providing the complete, or partial, endowment of seven Lectureships in St. Andrews and Dundee, two Chairs and five Lectureships in Glasgow, one Chair and six Lectureships in Aberdeen, and two Chairs and eight Lectureships in Edinburgh. The Trust has also assisted in providing new buildings for engineering in Dundee; for natural philosophy, physiology, materia medica, forensic medicine and public health in Glasgow; and for natural philosophy, engineering, forestry, &c., in Edinburgh. Large additional grants which have been made are still unexpended, owing to war conditions. The class fees paid for students during the same period amounted to £605,278. 209 students have made voluntary repayment of the fees paid for them, amounting to about £7,000.

The General Council have approved Ordinances instituting a degree of Ph.D., and a degree in Commerce, as well as an Ordinance providing regulations for degrees in Arts, Science, and Letters. Under the last of these Ordinances, it will be possible for women who have gained diplomas from Oxford and Cambridge, but are at present barred from becoming graduates, to obtain degrees at St. Andrews.

The University Court have appointed Mr. J. W. Pirie to be Lecturer in Comparative Philology (with special reference to Classical Philology), as from October 1, 1919.

Dr. William Stephenson, Emeritus Professor of Midwifery, died at Aberdeen on February 24, at the age of eighty-one. He held the Chair for thirty-seven years, and was an able teacher. He was a graduate of Edinburgh University, President of the Edinburgh Obstetrical Society in 1908, and a member of the Council of the London Obstetrical Society. He contributed many papers on his subject to medical journals.

The Senate has resolved to confer the following honorary degrees:—D.D.: The Rev. R. S. Anderson, Barclay U.F. Church, Edinburgh; the Rev. James Burnett, Kennethmont; Prof. John Dickie, Knox College, Dunedin; the Rev. James Gillan, Alford; the Rev. James Harvey, Edinburgh; the Rev. James Murray, Smyrna; the Rev. Canon W. Perry, Principal of the Scottish Episcopal Theological College, Edinburgh; the Rev. Robert Semple, Aberdeen; and the Rev. John M. Sims, C.M.G., Principal Chaplain to the British Expeditionary Force. LL.D.: Field-Marshal Foch; Field-Marshal Sir Douglas Haig; General Sir Edmund Allenby; Admiral Sir David Beatty; Adolf Max, Burgomaster of Brussels; Surgeon-General Sir James Porter; Lord Provost Sir James Taggart, Aberdeen; Prof. F. O. Bower, Professor of Botany, Glasgow University; Sir James Cantlie, K.B.E., London School of Tropical Medicine; Prof. W. MacNeile Dixon, Glasgow University; Sir James Galloway, K.B.E., R.A.M.C.; Sir David Hardy, M.B., Brisbane; William Kelly, architect, Aberdeen; and James McPherson Wattie, H.M. Chief Inspector of Schools.

Mr. Robert K. Hannay, Curator of the Historical Department, General Register House, Edinburgh, has been appointed Professor of Ancient (Scottish) History and Palaeography, in succession to the late Prof.

Hume Brown. Prof. Hannay, who is a graduate of Glasgow and Oxford, was Lecturer in Ancient History at St. Andrews University from 1901 to 1911. He has done excellent research work at St. Andrews and Edinburgh.

Dr. George Barger, Research Chemist to the Medical Research Committee, National Health Insurance, has been appointed to the new Chair of Chemistry in relation to Medicine. Prof. Barger was educated at University College, London, and King's College,

Cambridge. In 1913 he became Professor of Chemistry at the Royal Holloway College, University of London. He is a distinguished organic chemist.

The Treasury has given to the University an advance of £7,000 by way of grant from the Development Fund, in aid of the endowment of a Chair of Forestry, on the condition that the remaining £7,000 required for the endowment is provided from other sources. The University Court has issued an Ordinance instituting the new Chair. The annual salary of the Professor will be £900. The Court has also issued an Ordinance, instituting a Chair of Zoology, with special reference to the Zoology of the invertebrates. The salary of the Professor will be £900 a year. The University will thus have two Chairs in this subject. The Court has resolved to institute a Lectureship in Technical Chemistry, and to establish a post-graduate school of studies in Theology, on lines suggested by the Faculty of Divinity.

The Governors have found it necessary to increase the fees for both day and evening classes. The estimated increase from revenue in fees is about £1,100. The fees paid at present amount to less than one-fourth of the total expenditure on education. The addition proposed will contribute to a small extent to the increased amount (from £5,000 to £7,000 a year) required for the work of the College.

The Education Department have issued regulations for the first election of the new Education Authorities. They include full instructions to returning officers, &c., as well as regulations for the method of voting by Proportional Representation, and a specimen example of an election conducted on this system. The date fixed for the elections in Edinburgh, Glasgow, Dundee, Aberdeen, and Leith, is April 4, and the County elections will take place on April 11. On the suggestion of the Education Department, trial elections are to take place at Edinburgh and Glasgow, in order to facilitate the work of enumeration at the real election. The voting papers will be marked by the staffs of the School Boards according to the plan which has been devised, so as to test the enumerators on all points in the count that may arise when they have to deal with the votes of the electors.

Unfortunately, there is as yet no sign of strong interest on the part of the electors, and most of the candidates who are being nominated are members of the former School Boards; but Sir Richard Lodge and Prof. Darroch are candidates for the South Edinburgh Education Authority.

The Glasgow Provincial Committee for the Training of Teachers have recommended to the Education Department that assistant teachers and provisionally certificated teachers, if recommended by one or other of the Provincial Committees as efficient, after consideration of reports from the managers of their schools and H.M. Inspector, should be granted recognition by the department as certificated teachers. In connexion with the arrangement of summer classes for teachers, the Committee propose to co-operate with the Board of Agriculture in order to organize a scheme for establishing toy-making as a home industry in the Highlands, and a class for the instruction of teachers in toy-making will be conducted in the summer months. Grants are also to be given to specially qualified teachers of modern languages in connexion with attendance during the summer months at courses abroad in French and Spanish. Under the new Education Act, continuation school work must be over by seven o'clock in the evening, and instruction must be given in vocational subjects and in physical training. At a meeting of the Edinburgh Provincial Committee, Mr. Alison pointed out that the supply of teachers for these schools would be a serious matter. The ordinary teacher in the day school could not work double time. An additional supply of teachers would be required, and it was estimated that, when the scheme was in full operation, between 3,000 and 4,000 more teachers would be required in Scotland, irrespective of vocational teachers. The St. Andrews Provincial Committee is making arrangements to resuscitate the summer school for teachers this year. The courses are to be organized chiefly to attract women teachers of the infants' and junior divisions.

Apart from the general grant in aid of teachers' salaries, a sum of £50,000 was set aside for the purpose of making extra grants in cases where the salaries are below the average. This sum is now being distributed by the Education Department to the School Boards and Managers concerned, who will be in a position to pay from the grant 45 per cent. of the difference between the average

salaries of their teachers and the general average for the district. The Department ask the School Boards to contribute an extra sum in order to pay salaries on the normal level, where the school rate permits, and a reasonable contribution towards this end in other cases.

The Governors of George Heriot's Trust, Edinburgh, have approved a new scale of salaries for the teaching staff of the College. The Principal's salary is to be £950, rising by £50 a year to £1,250. The salaries of Professors, now receiving £700 and £750, are to rise by annual increments of £25 to £800, and in exceptional cases to £1,000. The scale for assistant professors is £275, rising by £25 a year to £400, and in exceptional cases to £500. The new proposals are subject to approval by the Education Department.

Mr. James Glass, London, in order to show his appreciation of what was done for him as a boy in Edinburgh, where he was educated as a foundation of George Watson's Hospital, has given to the Edinburgh Merchant Company properties worth about £20,000, to establish a School of Science in connexion with George Watson's College for Boys. Part of Mr. Glass's intention is to give former pupils of the College, who have been disabled in the War, a scientific training as consulting chemists. The Merchant Company have gratefully accepted the gift.

Mr. A. D. Ferguson, a director of the Girls' School Company, Glasgow, has prepared a memorandum with reference to a Bill to provide pensions for Scottish teachers, on the lines of the English Act. He suggests that the Bill will provide for the participation in the scheme by teachers in private schools, as well as by teachers in State-aided schools, on various conditions—e.g., that the private schools must not be profit-earning, that they must accept Government inspection, must be unable to provide pensions out of their own funds, must be administered by a Board of Governors, three of whom must be nominees of the Education Department, &c. Mr. Ferguson asks whether it is possible to include private school teachers in the pension scheme without (a) forcing the schools to come under the hard-and-fast control of the Department, and (b) incurring the charge of using State funds to augment indirectly private revenue. He suggests that, in place of the conditions indicated above, teachers should be allowed to participate, provided (a) the proprietors of the schools enter into an agreement binding them not to pay a higher rate of dividend than the current rate of interest, from time to time, on Government stock; and (b) in the event of proprietors deciding to wind up the Company, the Government should be entitled to take over the whole assets in payment of the par value of the shares. In any case, he holds that it ought to be provided in the Bill that service in any school under Government inspection and certified as efficient should be reckoned as qualifying service in the event of the teacher proceeding to a Government school.

It seems very unlikely that Mr. Ferguson's proposals will be accepted as a substitute for the conditions which he expects to be included in the Bill. The condition that the schools must not be profit-earning would almost certainly be enforced, and the payment of a dividend not higher than that of Government Stock would probably be regarded as profit-earning. Mr. Ferguson admits that, if the conditions are enforced, the private schools will lose their autonomy, and, consequently, their *raison d'être*. He cites, as instances of the private school companies who might come under the provisions of the Bill, the Girls' School Company, Glasgow; the St. George's School Company, Edinburgh; and St. Leonard's School, St. Andrews. The first two of these are under Government inspection, the third is not. All three companies pay dividends, and the St. Leonard's dividend is much higher than that of any Government security. St. Leonard's, indeed, may be left out of the question, as it has a pension scheme of its own. And the two companies which do not provide pensions would find it difficult to convince the Treasury that they are unable to do so, if they can give their shareholders even a modest dividend.

IRELAND.

This spring promises to be an important time for Irish education. The two Committees appointed by the Lord Lieutenant have finished their work, and the Reports have been published. The Report on Primary Education is limited to salaries. The recommendations are unanimous, and propose a new method of remunera-

tion, based upon the three following principles of calculation: (a) a normal scale of salary with annual increments for all teachers, principals, and assistants, in schools maintaining, in the case of men, an average attendance of thirty pupils, and, in the case of women, of not less than twenty; (b) a scale of higher increments for teachers of very satisfactory service varying with the size of the school; and (c) capitation payments based on the average attendance of pupils payable to the principal teachers. The normal scale for trained men teachers should commence at £100, and rise by eight annual increments of £5, and then by eight more increments of £7 10s., to £200. For trained women teachers the scale should be from £90 to £170, with similar increments of £4 and £8. For very satisfactory service there should be further increments, bringing the salaries of men teachers up to a maximum of £245, £260, £275, and £290, according to the size of the school, and for women teachers similarly up to £200, £210, £220, and £230. Capitation grants should further be paid to head teachers of schools with an average of over thirty pupils in attendance at the rate of 10s. per pupil up to one hundred and twenty pupils, and 5s. for such pupil over that number. In large schools a vice-principal should also receive a capitation grant, but not beyond a maximum of £40. Small special increments are also recommended for teachers with special qualifications, such as a degree or a higher teaching diploma. It is calculated that the cost of this scheme will be £900,000 more than is spent at present, and some of the Committee recommend that this should be defrayed by a local rate, while others, going beyond their immediate reference, recommend that there should be a Minister of Education for Ireland responsible for Primary, Intermediate, and Technical Education. Finance is, of course, the bedrock of all improvement in Irish Education, and, in default of a willing Treasury, Ireland must be prepared to pay more for her own education if she wishes it to be brought up to date.

It was interesting to see that, in his first speech in Ireland, the new Chief Secretary, Mr. Ian Macpherson, dealing with reconstruction, before this report appeared, dwelt upon the importance of efficient education. He is stated to have said that: "Nothing in his judgment was so important as to have a system of education just, equitable, and efficient throughout the country. Without it, however successful they might be in their attempts to produce material progress within their own confines, they could never hope to hold their own in the great moral and industrial struggle of the world. The materialistic mind of the great controller of industry knew the necessity of seeing that those trained to assist him were adequately paid. Though much had already been done in Ireland by the State in augmenting the income of the teachers, it was still only too true that a number of them were left without sufficient to maintain themselves and their families, and it was, perhaps, not surprising to find evidences of a soured and embittered feeling among some of them, which must inevitably react upon the children. As they were aware, two Committees appointed by the late Government, and consisting of Irishmen, had been dealing with the financial position of the teachers, and they were anxiously awaiting their reports." What the Chief Secretary requires now is courage to reform the Primary and Intermediate systems on the lines which these two Committees recommend.

The Report of the Committee on Intermediate Education, which has just appeared, is a document of the first importance. It covers the whole field of Intermediate Education, and, although it deals largely with the salaries and tenure of teachers, it does not confine itself to these matters, but deals boldly with the essential features of education generally. Only the main points of the report can be noted here. The report is signed by fourteen members out of eighteen: three of the others, whilst agreeing with much, have written a minority report dealing mainly with the matter of teachers' tenure; while one member, Sir Joseph Larmor, who did not attend any of the meetings, contents himself with a note. The chief points are: (1) Recommendations are made intended to give teachers security of tenure by providing due notice of dismissal, and the right of appeal to a referee or tribunal, to be agreed upon by the representatives of the heads of schools and of the assistants. (2) A scale of salaries is recommended, rising from £180 to £450 a year for all full-time registered teachers. The minimum, i.e. £180, is to be paid by the school, the increments by the Central Authority. Increments are to be payable on a certificate signed by the head and by an inspector.

Schools must pay the minimum salary to such number of teachers as the Central Authority thinks proper, which shall be not less than one for every forty pupils for whom a capitation grant is paid. (3) A pension scheme should be established on the lines of the recent School Teachers' Superannuation Act (1918). (4) The Central Authority should provide exhibitions to enable intending teachers to take a course of training. (5) Primary, intermediate, and technical education should be co-ordinated under a system similar to that in England. (6) The present system of payment of grants should be abolished, all grants amalgamated, and one uniform flat capitation grant paid to all recognized schools. (7) Special grants should be made to small schools when the capitation grant falls below a certain level. (8) For the present system of examinations there should be substituted two, an "Intermediate" and a "Leaving Certificate" examination; and the syllabuses should be on a wider and more elastic basis than at present. (9) Exhibitions should be provided more freely to enable children to pass from primary to intermediate schools, to continue in the intermediate schools, and to pass from the intermediate schools to the University. (10) Irish Intermediate Education should receive its fair share of moneys voted from the Treasury, which would give it another £65,000 a year, and, in addition, a flat national rate should be levied throughout the county, the proceeds of which should be paid to the account of the Central Authority, which should be assisted in its distribution by an Advisory Committee representative of the various localities. It is estimated that a 2d. or 3d. rate would be adequate.

The epidemic of influenza has raised serious questions affecting the grants received by Intermediate Schools. Many schools throughout the country were closed in the autumn for three weeks, and many more have been closed, especially in the South of Ireland, for a similar period during February and March, and where the schools have not been closed, the attendance has markedly suffered, and the continuity of the teaching work has been seriously interfered with. At present, part of the school grants depends upon attendance, and part upon examination and attendance combined. There is a grave danger that in many cases grants will be lost through lack of attendances, and that many pupils who would otherwise have passed the examinations will fail as a direct result of the epidemic. Representations are therefore being made by school managers and associations to the Intermediate Board and to the Department of Technical Instruction that, to obviate the loss of grants to the schools, they should consider whether the regulations both as to attendance and as to passing the examinations should not be made easier for the present year owing to the abnormal conditions.

The Irish Geographical Association had arranged for its first series of four lectures to be delivered in March and April in the Royal College of Science, Dublin, as follows:—March 14, "Modern Geography," by A. Williamson; March 21, "Geographical Factors in Economic Development," by Prof. Oldham; March 28, "Homelands of Animals," by Prof. Carpenter; and April 4, "Ireland, the Outpost of Eurasia," by the President, Prof. Grenville Cole. Unfortunately, Mr. Williamson, Principal of Rathmines School of Commerce, died suddenly a week before he should have lectured and out of respect to his memory no lecture was given on March 14.

The Department's Journal, published in March, contains some interesting articles on its work in Ireland. Sir T. W. Russell, the late Vice-President, contributes a survey of "Twenty Years of Agricultural Development in Ireland, 1899-1919." Prof. Jeffcott has written an account of the munition work carried out by the engineering section of the Royal College of Science. Three days after the War commenced, classes were formed for short courses in motor driving, motor repairs, military bridge work, earthworks, and signalling. Most of the men in these classes joined the Army, and then in June, 1915, the engineering shops undertook the output of fuse parts for high explosive shells. The College at first undertook to produce 1,000 parts per week, but eventually produced nearly 17,000. During last year it was also engaged in manufacturing aeroplane turnbuckles, which were in urgent demand. The work was done largely by voluntary helpers, and was entirely in addition to the regular College classes. The Department has also issued the Time Table and Regulations of its Technical School examinations to be held in May in the following subjects: commerce, building trades, applied chemistry, electrical engineering, mechanical engineering, domestic economy, and art.

PRIMARY SCHOOL NOTES.

The Failure of the Salary Commission.

The hundred and one scales of salaries for teachers which exist in the various educational areas of the country speak eloquently of the failure of the Departmental Committee's Report on Teachers' Salaries to accomplish its purpose. It is now admitted that the insertion of illustrative scales of salaries in the Report was a grave error, for notwithstanding the clear intimation that the figures used were merely quoted in application of certain definite principles, Education Committees at once began to discuss the possibilities of Scale I, Scale III, &c., of the Departmental *Scales of Salaries*. There exists a hazy feeling that these scales have the authoritative approval of the Board of Education, and there is a general ignorance of the fact that principles only are approved in the Report. It is significant, therefore, that the Lancashire County Teachers' Association—the largest and most influential in the membership of the National Union of Teachers and representing a membership exceeding 14,000—should have unanimously resolved at the annual assembly in March to ask for a National Commission to inquire into the question of Teachers' Salaries. The position is one which brooks no delay, since upon the establishment of an adequate national scale of salaries for teachers depends the adequacy of the supply to meet the calls of the new Education Act. Some areas are already taking the necessary action to combine in the formulation of uniform salary schemes, but the differences in the scales drawn up by the combined authorities vary so unaccountably that a solution of the problem is brought no nearer.

The Appointment of Whitley Committees.

One of the most hopeful auguries for the successful introduction of school reform is the general movement in favour of the establishment of Whitley Committees in connexion with the work of Local Education Committees. Many authorities are setting up Consultative Committees composed of equal representation from the Education Committees and the Teachers. In addition, some of the considerable authorities are arranging for the appointment of Advisory Committees, by means of which matters concerning particular grades of teachers and the minor detail of professional routine can be periodically discussed. The establishment of the new bodies does not affect the claim of teachers to direct representation on Education Committees. On the contrary, the professional view is that this will be more necessary than ever when the Advisory and Consultative Committees are set up.

Salary Adjustments.

The settlement of the problem of teachers' salaries still appears to be remote. Practically every Education Authority in the country is either revising salary scales or temporizing by adopting a policy of bonus doles. In the latter event it is hoped that a period of stability in prices will shortly be reached, when scales approximating to the cost of professional living may be introduced. Other authorities again desire to throw the burden of increasing salaries so far as possible upon the Board of Education grants, which are now comparatively liberal. While the far-sighted areas can, by establishing fair salary schemes, guarantee the teaching supply and the educational wellbeing of their students, other authorities may inflict irreparable injury upon their young people by depriving them of a sufficient supply of competent teachers. The adoption of equitable national scales would therefore appear to be an opportune and wise policy. Advances of some degree have been made in the salaries of teachers everywhere, and in a measure the half-way house to a general uniform rate has now been passed. Doubtless the discussion of the question of a national scale at the Easter Conference of the N.U.T. will result in the formulation of a definite public policy.

The Status of Continuation-school Teachers.

As far as continuation schools have been established, they appear to be working on the lines of evening continuation classes, with special regard to instruction in subjects bearing upon the daily occupation of the students. It is probable that teachers from both primary and secondary schools will be required to take up appointments in the new schools as soon as they have emerged from the experimental stage. It is important, therefore, that definite conditions of service and remuneration should be laid down for continuation-school staffs as early as possible, since such a course would not only guarantee the soundness of the instruction given, but would assist towards the establishment of free relations between teachers of various types upon common ground. Under favourable

conditions the new continuation schools would constitute an important factor in facilitating the free movement of teachers in all grades of schools desired by the President of the Board of Education.

* * * * *

National Union of Teachers.

The engagement of the President of the Board to address the Annual Conference of the National Union of Teachers marks a record in the history of the Union, as Mr. Fisher is the first President to honour the Easter meeting by his presence. The event is symptomatic not only of the new public outlook upon education, but of the revolution which the events of the War have wrought in the relations between members of the education profession and the official administrators. The old aloofness has entirely disappeared, and there is a genuine feeling among teachers that real reform in all branches of school activity is at hand. Mr. Fisher has a special claim upon the affections of teachers, and his reception will be the more cordial on that account.

REVIEWS AND MINOR NOTICES.

CIVILIZATION AND PHYSICAL DEGENERATION.

Man's Supreme Inheritance. By F. MATTHIAS ALEXANDER.
(7s. 6d. net. Methuen.)

The volume before us is a new and enlarged edition of a work which first appeared in 1910. On opening it the reader may inwardly object to what seems an excess of introduction, advertisement, and recommendation. Yet such names as those of Dr. John Dewey and Dr. Frank Granger furnish, at any rate, a preliminary guarantee that, if the author is not himself a professional psychologist, and if therefore to the instructed person his use of psychological terms is not invariably orthodox, his claim to have produced a striking and an original piece of work is by no means thereby invalidated. And in our case this preliminary guarantee has been made good by a careful perusal of the book.

The long process of man's evolution from savagery to civilization has been an unconscious, or subconscious, and not a reflective process. While it has lasted, man has not consciously taken himself in hand, but, like the lower animals, has been subject to forces of which he has been unaware, and which have only recently come to light. Now that the chapter of savagery is approaching its close, now that civilization is not only with us but is becoming universal—what next? The physical degeneration which sets in with civilization is a thrice-told tale. The condition of civilized man's eyes and teeth, and the excellent palliatives that science has been driven to devise, are only among the more obvious illustrations of the reality of this degeneracy.

The proposed remedies are fairly familiar to us all. Long ago Rousseau advocated a return to "Nature" and exalted the condition of the "noble savage." But such a return we know to be impossible. As Frazer has pointed out, we are witnessing, though we are hardly aware of it, the last act of a long drama, a tragedy and comedy in one; and whatever becomes of the savages, the curtain must soon descend on savagery forever. In our own time Wagner has preached "the simple life," Tolstoy has practised it, and Edward Carpenter has announced the cause and *cure* of civilization. Not only so, but the air is full of mind-cures, rest-cures, and kindred attempts to meet the danger of that mental, nervous, and muscular debility which is the outcome of conditions resulting from the general trend of our development. And most of our "physical culture," consisting of schemes of mechanical exercises, are in Mr. Alexander's view, in hardly better case. They are "the obvious, uninspired method which naturally presents itself as a remedy for the ills arising from an artificial condition." They seem to go straight to the source of mischief, but in fact the "physical culture" resorted to by, let us say, our over-driven and degenerate clerk, only has the effect of creating civil war within his bodily organism.

(Continued on page 240.)

PUBLISHED BY MACMILLAN & CO., Ltd.**W. & A. K. JOHNSTON'S PUBLICATIONS.****ATLAS GEOGRAPHIES.**

A Physical Geography. Covering the work required for the Oxford and Cambridge Locals and other University Examinations. Illustrated by 11 Maps and 85 Diagrams. **2s. 6d. net.**

Junior Atlas Geography of the World. Containing Orographical, Transparent Route and Climatic Maps, and Maps showing Distribution of Vegetation, Minerals, Manufactures, Population and Political Divisions. **4s. net.**

In following Parts:—

9d. net; Limp Cloth, 1s. net.

British Isles
Europe
Asia
Africa
Australasia
North America
South America
India

Special Maps illustrating Surface Routes, Climatic Vegetation, Mineral Productions, Manufactures, Distribution of Population, and Political Divisions.

Practical Exercises are set at the end of each Section.

British Empire Beyond the Seas. Limp Cloth, 1s. net. Sewed, 9d. net. Index and Cloth Boards, 1s. 4d. net.

For Upper Forms of Secondary Schools and University Students.

Atlas Senior Geographies. 2s. 6d. net each.

Now Ready.

British Isles
Europe
Asia
Africa

Each Chapter is illustrated with Special Orographical, Transparent Route and Economic and Political Maps of the natural region to be studied.

Ready Shortly.

SENIOR GEOGRAPHY OF EUROPE.

Senior Geography—Mediterranean Lands.

Subject Matter and Maps brought quite up to date. Orographical, Transparent Route and Economic and Political Maps of each natural region.

Commercial Atlas Geography. 2nd Edition. **8s. 6d. net.**

Practical Geography Notebooks. 40 quarto pages. Sewed, **6d. net.**

British Isles
Europe
Asia
Africa
Australasia
North America
South America
British Empire
Physical

Each Notebook contains:

4 Contour Maps.
8 Blank Outline Regional Maps.
4 Climatic Maps.
Squared Paper for Sections, Graphs, &c.
Ruled Paper for Written Exercises.
Practical Exercises on World Position, Size, Relief Routes, Climate, Vegetation, Animals, Minerals, Manufactures, Commerce, Distribution of Population, Political Divisions.

For Preparatory Forms.

Earth Lore.—24 illustrated lessons in simple Physical Geography, together with numerous practical exercises. **9d. net.** Limp Cloth, **1s. net.**

World and its Peoples.—23 illustrated lessons in Human Geography. Showing the influence of natural features upon the distribution of Products and man's occupations in different parts of the world. **8d. net.** Limp Cloth, **10d. net.**

For Lower Forms of Secondary Schools.**EDINA JUNIOR HISTORIES.**

Written on the Most Modern Approved Methods.

Books I and II, **1s. 4d. net** each.

Now Ready.

Book 1. **The Age of Settlement** B.C. 55—A.D. 1154.
" 2. **The Age of Chivalry** A.D. 1154—A.D. 1485.

Ready Shortly.

Book 3. **The Age of Discovery** A.D. 1485—A.D. 1603.
" 4. **The Age of Strife** A.D. 1603—A.D. 1713.
" 5. **The Age of Empire Building** A.D. 1713—A.D. 1815.
" 6. **The Age of Democracy** A.D. 1815—A.D. 1918.

MACMILLAN & CO., Ltd., ST. MARTIN'S STREET, LONDON, W.C.2.

NEW AND NOTABLE NOVELS.

TENTH THOUSAND.

CHRISTOPHER AND COLUMBUS.

A Novel by the author of "Elizabeth and her German Garden." **7s. 6d. net.**

The Sunday Times.—"It is a long, long time since we have had such lovable characters in fiction as these two orphans. . . . 'Elizabeth' has given us several delightful books, but never one so full of sunshine and gaiety as this. The logic of the children is irresistible."

ELEVENTH THOUSAND.

THE SECRET CITY.

A Novel of Russian Life. By HUGH WALPOLE, author of "The Green Mirror," "Fortitude," &c. **7s. 6d. net.**

The Englishwoman.—"It is emphatically a book to be read, it interested and moved us profoundly, and we make no apology for recommending it warmly to our readers."

English Literature for Secondary Schools.

NEW VOLUMES.

Sidney. Defence of Poesy. Edited by DOROTHY M. MACARDLE, B.A. Sewed. **1s. 3d.**

Ruskin. The Crown of Wild Olive. Three Lectures on Industry and War. Edited for Schools by J. H. FOWLER. Sewed. **1s. 3d.**

Eliot. Silas Marner. Abridged for Schools by MAY COPSEY, B.A. Sewed. **1s. 6d.**

Dickens. David Copperfield. Abridged and Edited for Schools by H. A. TREBLE, M.A. Illustrated. Sewed. **1s. 3d.**

Hindu Tales from the Sanskrit. Translated by S. M. MITRA. Adapted by Mrs. ARTHUR BELL. Sewed. **1s. 6d.**

Lay's Pupil's Class-book of English Composition. By ED. J. S. LAY, author of "The Pupil's Class-books of Geography, History, The Vegetable Garden," &c. Book I (for children of 9 to 10). Illustrated. **1s.**

Wood's Oral and Written Exercises in English Composition. By ROBERT S. WOOD, author of "Word-building and Composition Series," &c. Sewed. Primary, **6d.** Junior, **7d.** Intermediate, **8d.** Senior, **9d.**

The Scottish Educational Journal.—"An intelligent and practical course of lessons in transcription, punctuation, spelling, word structure, and the art of composition. The lessons are well graded, and may be confidently recommended to teachers of English."

A Health Reader for Girls. By AGNES L. STENHOUSE and E. STENHOUSE, B.Sc. (Lond.), A.R.C.Sc. Fully Illustrated. **3s.**

The Nursing Times.—"This book will be of immense help to teachers, as the subjects are treated from the point of view of a girl and her particular needs and opportunities."

Elementary Mensuration, Constructive Plane Geometry and Numerical Trigonometry. By P. GOYEN, Emeritus Chief Inspector of Schools, Otago, N.Z., author of "Advanced Arithmetic," "Principles of English Composition," &c. **3s. 6d.**

Mathematical Papers for Admission into the Royal Military Academy and the Royal Military College and Papers in Elementary Engineering for Naval Cadetships, July and November, 1918. Edited by R. M. MILNE, M.A. Sewed. **1s. 3d. net.**

Recreations for Teachers or the Teacher's Leisure Time. By HENRY S. CURTIS, Ph.D. **8s. 6d. net.**

So Mr. Alexander entirely rejects any return to the sub-conscious guidance which served at an early stage in man's evolution. We have passed beyond that stage, and there can be no going back. He rejects also the cures and palliatives advocated by different schools of "physical culture," because they presuppose that defects can be remedied by dealing with effects rather than with causes. "No real progress," he says, "can be made, until the pupil consciously ceases to will or to do those things which he has been willing and doing in the past, and which have led him to commit the faults which are to be eradicated." Instead of dethroning intelligence in order that lower forces may again come into operation, we must carry intelligence further, and make its function one of positive and constructive control. The maladies of adjustment in modern civilization must be met by a thoroughgoing system of prevention and not by a system of mere cure. Hence the sub-title of the book—"conscious guidance and control in relation to human evolution in civilization."

Of course, the author does not content himself with a pious recommendation of such conscious guidance and control. He claims to possess a method by which it may be realized, and to have brought that method to the proof in many a concrete case. Whether his method is destined to produce the far-reaching results for which he hopes, only time and experience can show. It must rest with the experts in such matters to confirm or to modify or even to reject the method; but the general principles upon which it rests appear to us, if not unassailable, at least profoundly suggestive. In this notice we have purposely refrained from saying anything calculated to save an interested person the trouble of reading the book. We believe the book ought to be widely read by teachers, and indeed by all who are practically concerned with problems relating to the progress of the race.

BRITISH RULE IN INDIA.

The History of Aryan Rule in India. By E. B. HAVELL.
(15s. net. Harrap.)

Very soon the political constitution of British India will be thrown into the melting-pot. The need for trustworthy and up-to-date textbooks of Indian history, geography, and economics is therefore pressing. Yet, almost without exception, existing books, especially those suitable for younger students, are obsolete. Even the historical sections of "The Imperial Gazetteer" are in need of revision. For within the past sixty years, owing chiefly to unremitting epigraphic research, the aspect of large tracts of Indian history has been transformed; and the older type of textbook, usually compiled with the object of showing the triumphant success of British administration, no longer satisfies serious inquirers. Mr. Havell's work is therefore opportune; unlike so many books on India, it is neither dull nor ill-informed. Though the author is a distinguished official, he has not the official cast of mind; he is an independent thinker, and gives us what is in effect a new interpretation of the early and medieval history of India. His knowledge of Indian art is wide and penetrating, and he here applies it to the elucidation of the religion, politics, and social economics of pre-British India. His method is synthetic and psychological, and tends to depreciate a strictly analytic and archaeological treatment of the subjects under investigation. The dangers and pitfalls of his plan are many and great, and, if he has not escaped them entirely, he has at least produced a coherent and well-balanced account of India as it might have been prior to A.D. 1600. Though the exact political history of India begins about B.C. 600, he boldly goes back to the second millennium B.C.

In official publications it is candidly admitted that the foundations of the present political system in India are not rooted in the past, and Mr. Havell's history goes far to justify the view that this divorce of the present from the past has done serious harm to India's progress. It is impossible to foresee what changes will result from the Montagu-Chelmsford

report; but it is, at any rate, idle to pretend that all of these will be a purely natural development of the existing system. They will inevitably involve in some degree a retracing of our steps, a turning back to some of the ancient ways and signposts marked out in Mr. Havell's book. India has been an invaluable training ground for British administrators: it has never yet been a school of statesmanship, largely because of the inveterate assumptions that India had never known traditions and methods of representative government, and that literacy, in the European sense of the term, is the only adequate qualification for the exercise of political rights.

Mr. Havell's thought has been partly shaped by the present war, which affords him some grim opportunities to contrast modern European with Indo-Aryan civilization. On one point he is certainly right: the part played by India in the war is not a mere tribute to the splendid results of British rule; it has a far deeper significance than that. The key-note of his work is that in Indian history politics cannot be separated from religion, and on this note he concludes with the pious aspiration that by British rulers of India, and by all statesmen, politics may come to be a religion rather than a game of craft and skill.

It is evident that Mr. Havell's work is in the nature of a *Vox Clamantis*, but peradventure some will hear and appreciate his message. His book is well illustrated, and has a good index. A more definite and detailed chronology, such as is given in V. A. Smith's "Early History of India," would have been useful to readers who are not professed Orientalists.

CLASSICS.

The New Latin Primer. By J. P. POSTGATE and C. A. VINCE.
(2s. 6d. Cassell.)

After thirty years, Dr. Postgate has revised "The New Latin Primer." In outward form it is the same, but within nearly every page contains some change for the better. There is a slight increase of three pages in the old portion of the work, but a new portion of twelve pages at the end contains an index of verbs and a general index, both valuable additions. The changes are mainly in the type, the arrangement of details, and in grammatical restatements. The two former add very greatly to clearness, but we regret that the verb paradigms and some others are printed across the page, as the constant turning round of a book is a nuisance, and the necessity for it should have been avoided. Some of the noun paradigms are changed: *exercitus* and *genu* replace *portus* and *veru*, perhaps with advantage; but why *haedus* instead of *dominus*? The declension of *vir*, *miser*, *piger*, *alter*, *alius*, *respublica*, *quis*, *aliquis*, and *quidam* are all given more fully. *Hortor* as a deponent is conjugated in full, but a note should have been added as to the conjugation of deponents in other conjugations. The third declension is rearranged under the three headings Parisyllabic, Originally Parisyllabic, and Imparisyllabic. The supine is now allowed to be either ablative or dative, the classification of the perfect and of the supine is improved, and some verbs which were previously omitted, such as *venio*, *pungo*, *labor*, *morior*, *reor*, now have their principal parts given. The list of principal parts has been gone over carefully in every detail, and the only oversight we have observed is the insertion of *comperio* twice (on pages 143 and 145). In the syntax, among points that are entirely new or are improved are: on page 72, the use of the complements; page 84, the subdivisions of the instrumental ablative; page 94, the definition of the subjunctive; page 95, the treatment of requests and prohibitions; page 96, the subdivision of substantival clauses; page 106, the treatment of clauses of place, manner, time, &c.; page 169, the use of *do* and *curo* with the gerundive; and, page 192, questions in the *oratio obliqua*. Enough has been said to show that "The New Latin Primer" has renewed its youth. It is no doubt too, with peculiar satisfaction, that Dr. Postgate can say, on page 5, that the "Native 'English' pronunciation of Latin is now dying out rapidly." In conclusion, a few corrections may be suggested. On page 2, the *e* of *poeta* should be marked long; page 25, *citerior* and *citimus* should be added; page 35 (bottom), *only* is misplaced; page 64, a note is required on the regular forms of *edo*; page 68, *quando*, "when?" should be added to section 100; page 105, the subjunctive in "Misit Hirtium qui vera nuntiaret" seems more akin to "desire" than to "cause"; page 129, *hospes* should be omitted; page 154 (bottom), is *nobis* really an indirect object? and, page 164, *eligere* should give place to *eligere*.

(Continued on page 242.)

TUITION BY POST.

Practical Training in

SHORTHAND,

BOOK-KEEPING AND ACCOUNTANCY,

COMMERCIAL PRACTICE, BANKING,

ADVERTISING, COMMERCIAL LAW.

PITMAN'S POSTAL COURSES are admirably adapted for teachers who are unable to take advantage of the ordinary facilities for receiving oral instruction, but desire to qualify in commercial subjects. Each lesson is a full exposition of that part of the subject covered. One course, or any group, may be commenced at any time, and from any stage of present knowledge.

Write for details, stating the subjects in which you are interested.

Pitman's School
BUSINESS SECRETARIAL & CIVIL SERVICE TRAINING

The Leading Teachers' Training Centre in the Kingdom for Commercial Subjects.

Principal: FREDERICK HEELIS, F.R.S.A.,

169 SOUTHAMPTON ROW, LONDON, W.C.1.

Seven London Branch Schools, and at Bristol and Leeds.

ST. ANDREWS PROVINCIAL COMMITTEE FOR THE TRAINING OF TEACHERS.

Summer School for Teachers July-August, 1919,

UNIVERSITY OF ST. ANDREWS.

VACATION CLASSES in Infants' School Practice (Montessori and Froebelian), Story Telling in its relation to the study of English, Musical Training, Games, Dances, &c., Rhythmic Movements, Backwardness in School Children, Play Centre Work, Educational Bearings of Social Philosophy, Teaching of History and Literature.

Eminent Professors and Lecturers in charge.

Teachers are invited to apply for all particulars.

JAMES MALLOCH, Director of Studies,
77 NORTH STREET, ST. ANDREWS.

SCHOOL COMMENTARIES BY DR. KNAPP.

MURBY'S LARGER Manuals.			MURBY'S SMALLER Manuals.		
ST. MARK	...	net 2/6	ST. MATTHEW	...	net 1/6
ST. LUKE	...	3/	ST. MARK	...	1/6
THE ACTS	...	3/	ST. LUKE	...	1/6
			THE ACTS: Vol. I (i-xvi)	...	1/6
			Vol. II (xvii-xxviii)	...	1/6

By Dr. G. W. WADE & Rev. J. H. WADE.

II SAMUEL ... net 3/6 | II SAMUEL ... net 1/6

T. MURBY & CO., 6 Bouverie Street, E.C.4.

EDUCATIONAL BOOKS PRE-WAR PRICES.

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

AUGENER'S EDITION CLASSICAL & MODERN MUSIC

Engraved and Printed in England

**LARGEST CATALOGUE OF
EDUCATIONAL MUSIC
:: IN THE EMPIRE ::**

AUGENER'S SCHOOL DEPT.,
18 Great Marlborough Street, London, W.1.

THE "POSITIVE" ORGAN IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.

Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

LANGUAGE TUTORS WANTED.

Tutors wanted to give Correspondence Tuition in German, Dutch, Italian, Portuguese, Russian, Sanskrit, Arabic, Persian, Turkish, Malay, Chinese, Hebrew, Hindustani, Sinhalese, Tamil.

NORMAL CORRESPONDENCE COLLEGE,
47 Melford Road, East Dulwich, S.E.22.

Institut Pédagogique International.

FRENCH COURSES AT CAEN (NORMANDY).

The popular French Courses at Caen, the first of the kind to be established in France, are still the best and most popular.

HOLIDAY COURSES:

From July 3rd to August 30th.

Phonetics—Reading—Conversation—Study of Authors—
Literature—Composition.

DIPLOMAS AND CERTIFICATES.

Examinations for the "Diplômes de l'Institut Pédagogique International."

For full information, apply to—

PROF. E. LEBONNOIS, 16 AVENUE DE CREULLY, CAEN.

P. Papini Stati Silvae. Recognovit brevique adnotatione critica instruxit J. S. PHILLIMORE. Editio altera correctior. Scriptorum classicorum bibliotheca Oxoniensis. (3s. 6d. Clarendon Press.)

Twelve years have passed by since Prof. Phillimore first edited *Statius* for the Oxford texts, and in the meantime much work has been done—among others, by Mr. Garrod and Prof. Postgate—which has made a fresh revision of the received text almost imperative. In doing this, Prof. Phillimore confesses frankly that he has come to attach an increasing importance to the conjectures of Markland; but on the main question as to whether or not the *Codex Matritensis* is the unique source of all our MSS. he maintains a wise attitude of *εὐχῆ*. We congratulate him upon the completion of his labours of revision, and once more tender to the Oxford Press the grateful appreciation of all scholars for this excellent and inexpensive series of texts.

The Neo-Platonists. By THOMAS WHITTAKER.

Second Edition. (12s. net. Cambridge University Press.)

In this second edition of his work (originally published in 1901) Mr. Whittaker has added to his detailed account of the growth and development of Neo-Platonism a copious appendix—eighty pages in length—upon the commentaries of Proclus. The majority of classical schoolmasters will find Mr. Whittaker's work somewhat beyond them—and, indeed, it is not intended for such; but now that improved texts of Proclus have been available for some years they will be grateful for Mr. Whittaker's exegesis as providing them in brief with what the somewhat verbose Proclus has to say about any dialogue of Plato's which they may from time to time be reading with their classes. Of the four dialogues—First Alcibiades, Parmenides, Timaeus, and Republic—upon which Proclus commented, the "Republic" is the chief one likely to be read in schools; but it may perhaps be mentioned in passing that for the elucidation of the "Parmenides" we consider Mr. A. E. Taylor's well-known articles in *Mind* far more helpful than either Proclus or Mr. Whittaker. But the commentary upon the "Republic"—especially that part which deals with the Myth of Er—will prove very useful to all who stand in need of such exposition. There are many illuminating things, as, for example, the explanation of why women are admitted to public life in the "Republic," but not in the "Laws," by the fact that there is private property in the latter, but not in the former, and women are admittedly incapable of preferring the public good to that of individuals. Shall we be thought unpatriotic if we add that the paper upon which the book is printed is worthy neither of Mr. Whittaker's work nor of the Cambridge Press?

ENGLISH.

English Prose from Bacon to Hardy. Selected and edited by E. K. BROADUS and R. K. GORDON. (6s. net. Oxford University Press.)

The new anthology justifies its existence by the special aim of its compilers. It is something quite different from "The Pageant of English Prose," for instance, already published by the Oxford University Press; for it is neither a collection of famous passages nor an anthology of "beauties"; nor does it attempt to include all the great writers within the chronological limits fixed. What it presents is a selection of "characteristic" specimens of successive periods to assist the student in tracing the development of prose from the Elizabethan period to the present day. There are some striking omissions deliberately made, for they are frankly mentioned in the preface: "De Quincey, Landor, Newman, Pater, and others have not been given, because, by reason of style or subject, they can hardly be considered as representative figures." This is a startling statement to make of writers so illustrious and so important in their influence. But, if these gaps are serious drawbacks to the representative character of the selection, there are some sides on which it is distinctly strong. The eighteenth-century letter-writers are liberally illustrated as well as the essayists, and the excerpts from novelists are on so generous a scale that the book will make a useful companion to college courses on the history of English fiction. Eighteenth-century novels were not written for boys and girls, and some passages included here could not be read in schools. The omission of Charlotte Brontë from the novelists is curious. But, whether one agrees with them or not, it is a satisfaction to recognize editors who have an independent point of view. To the competence of these editors the little introductions prefixed to the extracts are sufficient testimony.

Cambridge Readings in Literature. Edited by GEORGE SAMPSON. (Book I, 3s. 6d., 4s. 3d., 5s.; Book V, 4s., 5s., 6s. Cambridge University Press.)

These delightful volumes may be said to represent the kick of the natural man against our modern attempts to make the study of English literature scientific by mapping it out into schools and

(Continued on page 244.)

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY

All University Graduates with highest honours selected primarily for their TEACHING ABILITIES



TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY



RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)



PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

An Invaluable Spring Book.

NAME THIS FLOWER.

How to tell the Names of Wild Flowers by the SIMPLE WAY, without a knowledge of Botany.

From the French of GASTON BONNIER,

Professor at the Sorbonne,

Translated and Edited by

Prof. G. S. BOULGER.

With 312 COLOURED PLATES and 2,715 Black and White Illustrations.

Containing also a chapter on the Gathering, Preservation, and Uses of Plants.

Cloth 7s. 6d. net. Pocket size.

Spectator.—"Precisely what many people, who love flowers, but have not studied botany, have long wanted."

Outlook.—"We heartily commend this book to our readers."
Cambridge Magazine.—"This most useful and entertaining work."

Lady.—"Of quite exceptional interest and practical value."

PROSPECTUS will be sent on application to

J. M. DENT & SONS,
10-13 Bedford Street, W.C. 2.

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

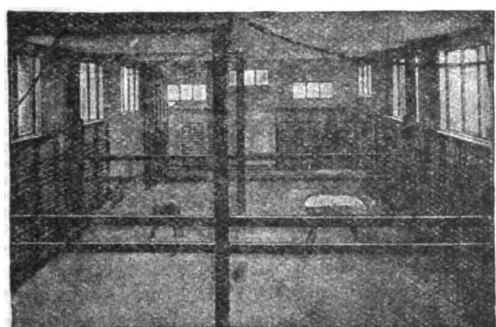
OLD GYMNASIA Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S Several Recent Secondary School and Welfare Outfits.

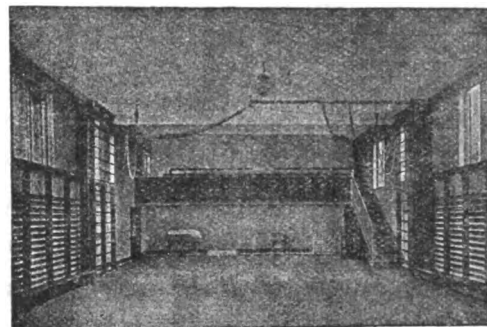
SCHOOL CLINICAL Plinths, Correction Belts, Head Suspension
A P P A R A T U S Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12030.

periods. Not that these attempts are wrong; they are necessary if the study of English literature at school and University is to be a real mental training, such as the study of Greek and Latin has been in the past; and assuredly every lover of our literature who has given himself this training would deny that the discipline had spoilt his enjoyment; would assure us, on the contrary, that it had heightened his appreciation. But that other ideal of the "amateur" (who is a lover, too, as etymology reminds us) has its value, and many of those for whom literature has done most have simply "browsed in a library," and not followed any settled plan at all. It is good for the teacher to try this plan when the other fails, and to try it with everybody at times; and where the ideal library is not accessible, here is a veritable library, full of the most various attractions, within the covers of a few volumes. Mr. Sampson has selected his good things with admirable taste. They belong to all periods, from Malory to Masfield. They range from short lyrics to "The Ancient Mariner" and from brief paragraphs of Plutarch to Dr. John Brown's "Marjorie Fleming." Some guidance in appreciation is afforded by brief introductions; and, by a most happy thought, the books are illustrated by reproductions of famous pictures, often chosen with great aptitude. The volumes are produced in three styles, all attractive; the best of them, as it is the most remote from a school book, should tempt the general reader.

Childe Harold's Pilgrimage. Edited by D. FREW.
(2s. Blackie.)

The editor very wisely says that school editions are often defaced by unjust depreciations of Byron; and it would be well to remind the schools that on the continent Byron's fame has always shone bright. The "Pilgrimage" cannot die, and, though it may seem a heresy to hint it, the stanza, borrowed from its great inventor, seems more flexible than it was in Elizabethan days. What a pity it was that no more songs were inserted in this great poem, to which, indeed, "The Isles of Greece" properly belongs. But the purple passages, as in Spenser, are numerous, and Byron draws. The notes are full; we should like a longer introduction.

Spenser's Faery Queene. Book II. Edited by W. K. LEASK.
(2s. Blackie.)

Enough is here given to help the school to read Spenser; but it would be an interesting question to ask teachers whether or not they

find Spenser a favourite writer. The purple passages appeal to all; and the second book contains the immortal description of Mammon; but how is Spenser best to be treated with a class? We should have liked to hear the editor's opinion.

ITALIAN.

A Short Italian Dictionary. By ALFRED HOARE. Vol. I: Italian-English. (9s. net. Cambridge University Press.)

Mr. Hoare's short dictionary appears to be excellently adapted to its purpose. The shape and size of the book are convenient, the print good and clear, while the marking of stress in the Italian words should be of considerable use to the beginner, especially to any one who is thrown on his own exertions. The lists of verbs are useful and sufficiently comprehensive. It would be unreasonable to expect in the compass of this dictionary a guide to the complete historical value of words, and a student reading eighteenth-century Italian may find verbs then used actively only quoted intransitively, while on the other hand many idioms cited in the dictionary are of quite recent growth. But an intelligent reader will find practically everything he needs in a convenient form for improving his acquaintance with the modern language.

MISCELLANEOUS.

Whitaker's Almanack, 1919. (6s. net.)

"Whitaker's Almanack" costs more in these days, but it is worth more. Publication has this year been postponed in order that the results of the December elections might be included, and this has enabled corrections to be made to a later date than usual. No school library is complete without a copy of this invaluable annual. We cannot imagine an up-to-date teacher being able to do without it. In addition to being one of our most useful works of reference, it is certainly one of the most interesting.

Everyday Stories to tell to Children. By Mrs. H. C. CRADOCK.
(5s. net. Harrap.)

These stories will appeal to young boys and girls of nursery age. Mrs. Cradock knows little people thoroughly, and parents and nurses may tell her tales to their young charges in the sure and certain hope that they will be amused, interested, and improved. Each story quite unobtrusively teaches some lesson of courtesy, obedience, gentleness, or other virtue. The book is sure of a wide popularity.

(Continued on page 246.)

SCHEME FOR TEACHERS

providing Life Assurance, Capital for purchasing Schools or Partnerships, and Income on Retirement.

THE

FRIENDS' PROVIDENT INSTITUTION

having made a special study of Educational Requirements offer an adaptable form of Policy suitable for either men or women.

FREEDOM FROM INCOME TAX

in respect of the amount paid in premiums.

For particulars send a post card, giving date of birth, to:—

THE LONDON MANAGER,
FRIENDS' PROVIDENT INSTITUTION
17 Gracechurch St., London, E.C.3.

GEOLOGY.

RUTLEY'S MINERALOGY. Thoroughly Revised by H. H. READ, A.R.C.S., B.Sc., F.G.S. 6s. net.

MINERALS AND THE MICROSCOPE. An introduction to the Study of Petrology. By H. G. SMITH, A.R.C.S., B.Sc., F.G.S. 3s. 6d. net.

GEOLOGICAL EXCURSIONS ROUND LONDON. By G. MACDONALD DAVIES, B.Sc., F.G.S. 3s. 6d. net.

ELECTRICITY & MAGNETISM

In Murby's New Science Series. 1/6 net each.

Features of these Volumes:—Brief Explanation, Supplementary to the Teacher's Work, numerous, well-selected Examples for the Student to Work.

MAGNETIC MEASUREMENTS AND EXPERIMENTS. By A. RISDON PALMER, B.Sc., The Polytechnic, W.I.

ELECTRICAL EXPERIMENTS. By same Author.

HOBBS'S ARITHMETIC OF ELECTRICAL MEASUREMENTS. Revised by same Author.

THOMAS MURBY & CO., 6 Bouverie Street, London, E.C.4.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 1's at 3s. 6d. 2's to 7's at 3s. 11d.

PLIMSOLLS. Grey canvas, rubber goshed, best make, same sizes and prices as above.

DANCING SANDALS. Black glaze kid, hand sewn, sizes 2's to 7's at 12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,

SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.

BOOKS

On Educational, Scientific, Medical, Law, Theological and ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free.

State Wants.

Books Bought.

W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C.2.

TEACHERS REGISTRATION COUNCIL.

REPRESENTATIVE OF THE TEACHING PROFESSION.

(Constituted by Order in Council, 29th February, 1912.)

OFFICIAL LIST

OF

REGISTERED TEACHERS.

The Statutory duty of the Council is to frame and keep a Register of Teachers, and a list of those registered under the conditions prescribed by the Council will be published from time to time. The first list was issued in 1917, and the second one is now in course of preparation.

In addition to its statutory duty, the Council has acted in co-operation with the Board of Education in many important matters affecting the interests of Teachers.

Up to and including Thursday, the 27th February, 1919, the number of applications for admission to the Register was 25,410. All qualified Teachers who have not already registered should write at once to:—

THE SECRETARY,
TEACHERS REGISTRATION COUNCIL,

47 BEDFORD SQUARE,

LONDON, W.C. 1.

The Feminine in Fiction. By L. A. M. PRIESTLY.
(2s. 6d. net. G. Allen.)

Now that women have, through success and failure, through good report and evil report, at last achieved political power, they are able, even the most militant of them, to look back upon the long struggle with a certain degree of detachment. This is the prevailing note of these pleasant sketches, in which British fiction of the last sixty years or so has been drawn upon to illustrate some of "the processes which have preceded the emergence upon the stage of the woman citizen." The disabilities of women, as illustrated in about eighteen well known tales, receive impressive emphasis in these pages.

Woman: A Citizen. By A. E. METCALFE. With Preface by Mrs. SIDNEY WEBB. (2s. 6d. net. G. Allen.)

It is an unfortunate fact that some of the men who exercise the franchise do so with more zeal than knowledge, and some with neither zeal nor knowledge. The object of this book is to try to make sure that the new class of women voters shall not at any rate lack knowledge. A useful sketch is given (quite as useful to men as to women) of the duties of the central government—legislative, executive, and judicial, and also of the duties of local government. By the time this notice is published the immediate occasion of the book will have passed away, but it will remain useful still.

A Complete System of Nursing. By MILLICENT ASHDOWN. (Dent.)

Miss Ashdown is to be congratulated on her very capable book, and it is one to be recommended to all nurses and to all households. For therein one really does find all that it is necessary to know, and it is placed before one in a direct and practical way, exhaustive without being in the least exhausting. The instructions are a real pleasure to read, and the matter is properly indexed. Once the public realize that this book exists, there should be a large demand for it.

The Modern Office. By JAMES STEPHENSON. (4s. 6d. Methuen.)

This expensive little book contains some excellent chapters, and others that cause one to wonder why they are included. It falls into the common error of trying to teach too much. All the qualifications necessary for the occupant of a modern office cannot be inculcated in one small volume; something must be assumed on entry, some of the developments at the other end must be left for later

treatment; for instance, Writing and Composition in the one group, Customs and Excise in the other. Letter-writing, as distinct from the subject-matter of the letters, looms somewhat large, and perpetuates phrases that are disappearing from the correspondence of firms employing a good type of educated clerk. Neither correspondence nor credit documents have intrinsic value; they are merely means to an end. It is easy for a pupil to appreciate their qualities if he first realizes the need for them; hence they are best discussed in connexion with transactions; they are part and parcel of the machinery of commerce, and their discussion apart from commerce is scarcely educational. The examples of a Bill of Exchange and a cheque on pages 58 and 59 are likely to give a wrong impression to the uninitiated. These documents are seldom printed, so as to allow a clear space for acceptance and crossing. The chapters on the modern office, its arrangement, fittings, books, are excellent, as are those on posts and the post office; the appliances seem to merit somewhat more space than has been given them; the short paragraphs provoke the question: What else can this thing do? The book is a step forward in a region that demands attention and careful development.

MUSIC.

Dances and Songs of Many Lands. Edited by Mrs. C. W. KIMMINS. (Evans Bros.)

The founder of the Guild of Play here provides a compilation of wide scope breaking fresh ground. It comprises the peoples' dances in many lands, Alsatian, Italian, Flemish, French, Russian, Roumanian, Serbian—the unique Serbian star dance; it represents many times, from traditional dances, going back to ancient ritual of season and man's primitive activities, and old time dances of the different parts of our island country to a modern dance of American children popular on the roof playgrounds of New York. The illustrations which accompany the detailed instructions are alluring in their presentation of suitable costumes characteristic of many lands and ways.

The Fools and the Fairies, from A Midsummer Night's Dream. Arranged by PERCY A. SCHOLDS. Music by MARTIN SHAW. (3s. 6d. net. Evans Bros.)

Here is a beautiful and delightful musical play for schools. It contains, in Shakespeare's own words, all of the play that pleases

(Continued on page 248.)

BLACK'S FIRST FRENCH COURSE

PETIT COURS PRÉPARATOIRE. By L. H.

ALLISON, Organizing Mistress in Modern Languages to the West Riding Education Committee. A two-term course, in phonetic transcript leading up to the *Première Année*. May be used independently. Containing Frontispiece in colours, several black and white illustrations, and line drawings in the text. Price 2s.

Chief features: (1) Systematic and thorough training in the production of French sounds; (2) Vocabulary built up on the sounds as taught; (3) Intonation Exercises; (4) All the lessons have been practically tested in various classrooms during the last four to five years; (5) *Lesson Notes* (supplied gratis) provide all the information necessary for the teacher; (6) If followed by the Phonetic Edition of *Première Année* (1ère Partie) a full year's course of Phonetic transcript is secured.

LA PREMIÈRE ANNÉE DE FRANÇAIS.

By F. B. KIRKMAN, B.A. A day passed by an English boy in Paris. Sixty-three illustrations. Ninth Edition. Price 3s. 6d. This volume provides a complete course of instruction for the first year, and has a prefatory note containing suggestions as to the best ways of using the book so as to obtain the best results.

FIRST FRENCH SONG BOOK. By R. B.

MORGAN, B.Lit. 37 Songs, of which 10 are in phonetic script. Airs and Tonic Sol-fa. Second Edition. Price 8d.

COLOURED WALL PICTURES to accom-

pany *La Première Année de Français*. No. 1. *La Famille Pascal à Table*: a domestic scene. No. 2. *La Porte Saint-Martin à Paris*: a street scene. Both drawn from French models and photographs. Measurements: 45 by 35 inches. Prices, on linen, with rollers, varnished, 7s. 6d. net each; on linen, unvarnished, 5s. net each; unmounted, 3s. net each. Write for p.c. (reproductions in colour facsimile).

FRENCH LESSON NOTES. By F. B. KIRK-

MAN, B.A. Price 1s. 6d.

To teachers using *La Première Année* this book is supplied gratis. It contains preliminary lessons (with or without phonetic script) introductory to *Première Année* and also the exercises on Chapters 1-35 of the latter.

LA PREMIÈRE ANNÉE DE FRANÇAIS.

Première Partie (Phonetic Edition). Third Edition revised, and with the liaison of words indicated. Transcribed by Prof. D. L. SAVORY, M.A. Illustrated. With Teachers' Lesson Notes (gratis) by L. VON GLEHN. Price 1s.

SOIRÉES CHEZ LES PASCAL. By F. B.

KIRKMAN, B.A. A First Reading Book. Evenings with the Fairies. Five Coloured Plates. Second Edition, completely revised. Price 1s.

All Lesson Notes for Teachers separate and gratis.



For complete List of Texts, with recommended courses, write to

A. & C. BLACK, LTD., 4, 5, & 6 SOHO SQUARE, LONDON, W. 1.

VACATION COURSES.

COUNTY COUNCIL of the WEST
RIDING OF YORKSHIRE.

EDUCATION DEPARTMENT.

A RESIDENTIAL VACATION COURSE

for Teachers, including the subjects shown below,
will be held at the

TRAINING COLLEGE, BINGLEY,
from the 6th August to the 22nd August.

A General Course on Edu-	JOHN ADAMS, Esq.,
cation	M.A., B.Sc., LL.D.
Teaching of English Lit-	A. BURRELL, Esq.,
erature	M.A.
Teaching of Music in	J. E. BOULAND, Esq.,
Schools	Mus.D., F.R.C.O.
Teaching of Arithmetic	MISS M. PUNNETT, B.A.
Teaching of Organized	MISS E. R. CLARKE.
Games	
Teaching of Religious	MISS H. M. WODEHOUSE.
Subjects	M.A., D.Phil.
Informal Domestic Teach-	MISS G. E. IRONS.
ing in Schools	
Teaching of Handwork	MISS J. P. SLIGHT.
Teaching of Needlecraft	MISS MARGARET
... ..	SWANSON
Teaching of English Pho-	MISS M. M. WILSON
netics and Reading ...	
Teaching of History	MISS A. F. DODD, B.A.
Special Courses for	O. V. DARRISHIRE, Esq.,
Teachers in Rural	B.A., Ph.D., and
Schools	C. W. H. GREAVES,
	Esq., B.Sc.

Teachers will be accommodated in the Halls of
Residence. A Handbook giving full particulars may
be obtained gratis and post free from the EDUCATION
DEPARTMENT (Secondary Branch), County Hall,
Wakefield, early in April.

VACATION MEETING FOR REGIONAL SURVEY.

MALVERN—EASTER, 1919.
(Wednesday April 9th—Wednesday, April 16th.)

THIS Conference has been arranged
for the study of the region from as many
points of view as possible, and to facilitate the inter-
change of ideas between all interested in the study
of environment.

Organizing Secretaries:—

Local—E. W. HARRIS, The High School,
Malvern.
Corresponding—MISS M. M. BARKER, 11,
Tavistock Square, London, W.C.1.

See also pages 202 and 241.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at
a minimum cost to Masters seeking appointments.
*There is no Registration Fee, and the lowest
possible charges are made for Commission,
which are still further reduced by large dis-
counts—see Rules VII and VIII of Prospectus,*
which will be sent on application.

This Agency is under the direction of a Committee
representing the following leading Educational
Associations:—

**Head Masters' Conference; Incorporated
Association of Head Masters; College of
Preceptors; Teachers' Guild; Incorporated
Association of Assistant Masters.**

Registrar: Mr. E. A. VIRGO.

9 Brunswick Square, London, W.C.1 (near Russell
Square Tube Station and the Foundling Hospital).

Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from
11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m.

Appointments should be made when possible.

Telephone: Museum 3217. Telegrams: "Edu-
catorio Grenville London."

LECTURES ON ART. Single or
in Series. London and the provincial
capitals. For prospectus and terms address—MISS
A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

The Teachers' Guild of Great Britain and Ireland.

HOLIDAY COURSE IN FRENCH and SPANISH.

OXFORD.—August, 1919.

Particulars (ready shortly) from the
GENERAL SECRETARY,
Teachers' Guild,
9 Brunswick Square, London, W.C.1.

UPLANDS SUMMER MEETING.

July 31—August 16.

AT EDMUND'S FARM, WERNETH
LOW, CHESHIRE.

Lectures and discussions dealing with "Current
Ideas for the Reforming of School Life" (including
the results of an inquiry into Open Air School work).
Practical Courses in Gardening and Farm Work,
Craftsmanship, Play Production, Regional Survey,
Eurhythmics.

Prof. J. J. FINDLAY (Manchester), Prof. J.
SHELLEY (Southampton), J. H. SIMPSON (Rugby),
Miss E. C. PUGH and others.

Prospectus and full particulars from the SECRE-
TARY, 21 Broadlands Road, London, N.6.

THE ENGLISH FOLK DANCE SOCIETY.

AN EASTER SCHOOL of FOLK
SONG and DANCE will be held at YORK
from SATURDAY, APRIL 19th to APRIL 26th.

Daily Classes in Folk Dancing will be held at
St. Paul's Girls' School, Brook Green, London, W.6.
from April 21st to 26th.

For further particulars apply to—

The SECRETARY.

E.F.D.S.,

73, Avenue Chambers,
Bloomsbury, W.C.1.

UNIVERSITY COLLEGE, READING.

ROLL OF HONOUR.

THE AUTHORITIES are anxious
to complete the Record of all past Students
who have served in the Royal Navy, the Royal Air
Service, or the Army during the European War.
Any available information will be welcomed and
acknowledged by the Registrar.

FRANCIS H. WRIGHT,

Registrar.

STAMMERING.

A PHENOMENAL ADVANCE in
the Treatment of Stammering.

Particulars—

Mr. J. H. MIALL.

Specialist Instructor at Christ's Hospital and other
public schools.

209 OXFORD STREET, W.1.

**SCHOOL
WORLD**

WANTED. — Parts
for MARCH, 1904 (Vol. 6).

MR. JOHN DAVIS,

13 PATERNOSTER ROW, E.C.4.

Scholarships.

CONTINUED FROM PAGE 207.

BEDFORD SCHOOL.—Head
Master, REGINALD CARTER, M.A. An Exam-
ination will be held at Bedford on March 18th, 1919,
for 4 Exhibitions £50-£40, and 6 Nominations £10-£20
for Boarders, and 4 for Day Boys. Apply for par-
ticulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EX-
HIBITIONS.—Seven Exhibitions are offered to Sons
of Old Bedfordians on certain conditions. For par-
ticulars apply—HEAD MASTER, Bedford School.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound educa-
tion to Girls on Public School lines.

One of the five houses is set apart
for Juniors under 14 years of age.

Well equipped classrooms, laboratory,
gymnasium, and good playing field.

Illustrated Prospectus on application to
the Head Mistress.

UNIVERSITY ENTRANCE EX-
AMINATIONS.—English, Canadian, or
American. Preparation by successful Tutor of wide
experience, B.A. London.—Address—GIRTONIAN,
No. 10, 754.*

EDUCATED GIRLS thoroughly
trained for permanent and well paid Secre-
tarial and Journalistic Appointments. Prospectus—
MISS IRONSIDE, Training Bureau, 50, Lincoln's Inn
Fields, W.C.2.

NATURE STUDY SPECIMENS.
—Material (botanical and zoological), suitable
for Junior and Senior Classes, can be supplied to
schools at moderate charges. Apply for leaflet to
M., Ridgeway, Lordswood, Southampton.

MISS LAURA SMITHSON,
L.R.A.M.: Elocution A., Summer School
held at Stratford-on-Avon during Festival. Recom-
mended by Sir Frank Benson, Miss Lilian Baylis,
Ben Greet, Esq., William Poel, Esq. Elocution,
Voice Production and Dramatic Training. Pupils
prepared for L.R.A.M. Elocution Diploma. Schools
near London visited. Stammering and other defects
of Speech treated. Address—109 Abbey Road Man-
sions, N.W. 8.

BOOKS WANTED.—

Wilmot Buxton: Makers of Europe. 30 to
40 Copies.

Kron's French Daily Life. 1904. 30 Copies.

School World, Vols. 2, 3, 6. Any parts.

Mr. JOHN DAVIS (Successor to Mr. Thomas Laurie),
13 Paternoster Row, E.C.4.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 8 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

young people and omits the love-making that bores them. There is plenty of solo music and of two-part choruses and dancing. The incidental music is tuneful and fresh and sometimes captivating. The cover and contents pages are decorated with Shakespeare's life in vignette pictures framed by scrolls of some famous quotations. The words and voice parts are issued for convenience separately, at 1s. net, with similar pictorial appeal on its first two pages. Nothing has been neglected that can help to awaken interest and quicken young imagination.

PRIZE COMPETITIONS.

THE winner of the Translation Prize for February is Miss Alice M. Webb, 7 Scarsdale Villas, Kensington, W. 8.

The Translation Prize for March is divided between "Ardax" and "Boy."

THE REAPERS.

Once more they have taken up the scythe, they who left their wheatfields for the field of battle, leaving the harvest standing; but it is no longer in the wide and golden light of day that they lay low their sheaves. In the depth of the trench they await the coming of night to sally forth; and their harvesting is to clear away from the glacis the grass that screens enemy attacks. They come out. Caught in the network of fiery threads, they must at almost every step free from their legs a tangle of barbed wire. Now they are in a clear field. A patrol advances before them to protect them, and, deploying in a semi-circle, crouches down in the grass, weapon ready to hand, eyes piercing the darkness.

The reapers, afoot, unarmed, take up their old and peaceful task. No song cheers them. In the darkness between the lines their scythes sound like the rustling of silk. In front of them, alert and ready, the enemy has heard them. Bullets graze by them, without giving pause to the rhythmic falling of the grass. A rocket soars, bathing the glacis with the light of a Feast of Lanterns. The reapers cast themselves down on the earth. Some

have not time for this, and remain, bending forward, afraid lest one movement more should betray them. Anxiously all eyes follow the star of blue lights from the rocket, falling, infinitely slowly.

ARDAX.

The piece set for translation stands alone in Levis Mirepoix, a thing complete in itself. It is a highly finished little sketch, an admirable example of the pen-picture which affects the feelings without the use of a single word expressive of emotion. The difficulty in translating such a piece is to catch and maintain the right tone. Colloquialisms such as "No Man's Land," "go over the top," "to negotiate barbed wire" are entirely out of place, as is such a technical term as "Vérey light"—even "star shell" and "surprise attack" jar. Brevity is essential. The versions by "Ardax" and "Boy" best fulfil the necessary conditions. The former version is the best piece of writing, and for this reason we publish it; but it contains two curious mistakes, due apparently to misreadings of the text: "fiery threads" for *fil de fer*, and "alert and ready" for *tout prêts*. "Boy's" translation has no bad mistake, and is not far behind the other in point of style. We have therefore decided to divide the prize.

The extract was one that it was easy to translate tolerably well, but difficult to translate very well; hence the abnormal size of the second class. Some candidates may be reminded that there are no "shadows" on a dark night, and that "net-works of spikes," "meshes of sharp points," "coils of spikes," "skeins of barbs" are things which do not exist. *Ille reprérent l'ancien geste pacifique* was a crux. "Bend themselves again to the swing of the olden days of peace," "resume the familiar swing of the far-off days of peace" are good, but long.

We classify the 193 versions received as follows:—

Class I. (a)—Ardax, Boy, Dane, M.F.H., Primipilus, χρυσίον χαλκία, Rabbit, Playshaw, Sabrina, Rusticus Expectans.

(b) Territorial, Nibbidard, Post Time, Beaver, Bobs, Tom Turk, Montpellier, Louisiana, Sumach, Garnet, Somewhen, Sperata, Glenleigh, M.A., France d'abord, Priscilla, Bésigue, M.A.S., Chanteuse, Cléonte, Senex, H.W.C., L'Union.

Class II.—Dob, Esse quam videri, Janatone, Vanneau, Dormouse, (Continued on page 250.)

W.E.A. EDUCATION YEAR BOOK.

Part I. Introduction by leading Authors, including G. B. Shaw, John Galsworthy, J. A. Hobson, and H. G. Wells.

" II. The Educational System.

" III. Education in Other Countries.

" IV. The Universities and the Workers.

" V. The Workers' Educational Association.

" VI. Educational Movements.

" VII. The Organisation of the Teaching Profession.

"A book of inspiration, instruction, and reference, and every educationalist should have a copy on his shelves."—*Co-operative Educator*.

Cloth, 5s. Postage, 6d. Paper, 3s. 6d.

Of all Booksellers, or from—

THE WORKERS' EDUCATIONAL ASSOCIATION,
16 HARPUR STREET, HOLBORN, W.C. 1.

SAVE 50% of your TIME

by ordering your NEW BOOKS through Mr. John Davis, who can always secure good second-hand copies of manuals out of stock at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a further order for you as I am well pleased with your past efforts to secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C. 4

LANTERN SLIDES FOR SALE OR HIRE.

In all branches of Natural History, including

**PLANT ECOLOGY,
GEOLOGY,
PHYSIOGRAPHY, &c.**

Ask for Catalogue EE.

SLIDES MADE TO ORDER—PROMPT DELIVERIES.
LANTERNS—ILLUMINANTS—REPAIRS.

FLATTERS & GARNETT, Ltd.,
309 OXFORD ROAD (opposite the University), MANCHESTER.

Société pour la propagation des langues étrangères en France,

28 RUE SERPENTE, PARIS, 6^e.

If you want to—

receive FRENCH boys or girls in your school;
offer board and residence for FRENCH people;
exchange letters with FRENCH correspondents of any class and condition;
exchange your children for FRENCH during the holidays;
obtain good masters or mistresses in FRENCH for your schools or your children;

Send us your name, address, prospectuses, &c.

The Society, which is subsidized by the State, makes no charge for these services.

L'AGENT GÉNÉRAL: G. LEMAIRE.

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of
Uniforms, Head-dresses, Accoutrements, Lace, and Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

MCDUGALL'S ENGLISH CLASSICS

Including the Principal Plays of

SHAKESPEARE

COMPLETE TEXTS WITHOUT NOTES.

In Limp Cloth Cover.

- No. 1. JULIUS CÆSAR
2. THE MERCHANT OF VENICE
3. AS YOU LIKE IT
4. THE TEMPEST
5. A MIDSUMMER-NIGHT'S DREAM
6. TWELFTH NIGHT
7. EVANGELINE
8. SIR ROGER DE COVERLEY
9. MACBETH
10. HAMLET
11. CORIOLANUS

Nos. 1-9, each 6d. net; 10 and 11, 9d. net.

Address your enquiries to

**McDougall's Educational Co., Ltd.,
8 Farringdon Avenue, London, E.C.4.**

Sale or Transfer.

FOR SALE IN NORFOLK.

LADIES' SCHOOL. Established over forty years. 100 pupils. With a grand residence standing in four acres of the most picturesque grounds. Price £3,500.—Cookz, Exor., South Nutfield, Surrey.

FOR DISPOSAL, English and SHORTHAND CLASSES in Paris. Twelve years' success. Apply—Mlle MAYOUX, 26 Rue de l'Exposition, Paris Ville.

SALE.—HEAD MISTRESS of High Class Private School, situated in a very healthy position in its own grounds of five acres, near sea and downs, desires to SELL the School before September. There is a very exceptional opportunity for working up a large and important School, as the neighbourhood is much sought after for children, and the School has a splendid health record. Address—No. 10,759.*

FOR SALE.—Day side of increasingly flourishing Church BOARDING AND DAY SCHOOL in West of England of high educational standard. Income of day side alone averages £1,000. Goodwill £400. School furniture £200. Audited accounts. Rent of school house, with accommodation for 20 persons, good school-rooms and grounds, £115, or freehold £1,700. Address—No. 10,757.*

HIGH Class BOARDING AND DAY SCHOOL FOR GIRLS, with Kindergarten. Near London. 100 pupils. Full and in thoroughly good working order. Goodwill £1,000. Furniture at valuation. No agents. Address—No. 10,746.*

Sale or Transfer—continued.

SUCCESSFUL PRIVATE DAY SCHOOL FOR SALE.—Girls and small boys of good family. Room for Boarders. Excellent connection. Cheshire. Moderate sum for goodwill. Address—No. 10,765.*

For Sale.

TWO Pitch Pine Basket Ball Stands, 33 pairs Indian Clubs, 27 pairs wooden Dumb Bells, 11 Bar Bells, Wooden Rings, Croquet Set, Drawing Models. All in excellent condition. What offers? Address—No. 10,762.*

FOR SALE.—29 Stanton Desks, in good condition. Address—No. 10,766.*

FOR SALE shortly, owing to continued ill-health of Principal, flourishing **GIRLS' BOARDING SCHOOL.** Suit Nonconformist or Evangelical Churchwoman. Good qualifications essential. Capital required £1,500 to £1,750. Much less if household furniture not taken. Good profits. Accounts audited. Everything modern and in capital order. North of England. Address—No. 10,767.*

SCHOOL FURNITURE for Sale, if possible before April 5. Deferred payments taken if references are exchanged. Laboratory fittings on heuristic method for 10 pupils: 4 large Wall Blackboards; 1 Map Stand; 5 long Desks, to seat 3 and 5; Gymnastic Boom and Saddle; Folding Partition Doors; 3 Platforms, &c. Apply—Miss MANVILLE, 2 Leinster Gardens, W.2.

Continental Schools

COLLÈGE DE CANNES, PRÈS NICE (ALPES MARITIMES), FRANCE.

A fine new building, with every modern comfort. Private rooms. Three months' course giving fluent knowledge of French to foreigners. £21. 8s. a term.

Posts Wanted.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holborn Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

NON-RESIDENT ENGAGEMENT. Sought by London B.A. English Language, Literature, Political Economy, Mathematics, Latin, German.—1026 E. HOOPER'S, 13 Regent Street, London, S.W.1. Several Graduates and highly qualified Mistresses, Languages, Music, Art, seeking non-resident and visiting work. Heads of schools wanted to make known their requirements. Established 1881.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

W.W.M., Denzil, B.E., Carisbrooke, Jack, Fitz-alain, G.M.H., *Andrèa*, E.U.F., Sara, R.T.A., Sorbier, Jollyboy, Nemours, Ixia, Maridunum, M.M.T., Petronel, Elsie et moi, En Avant, M.M.E.G., Cymraes, El Joven, Reba, Wrece, H.B.F.O., Frésia, Toomax, Ardeonaig, Justine, Rusticus, Gothicus, Science, Ardent, Audi vide face, Amaryllis, Novice, Chingleput, Jeanelsa, Zeitgeist, Horace, Cablegram, Petite Galloise, Preludio, Camel, P.M.C., Calypso, Pix, Kokoe, Renée, Angèle, Rhino, Abeille, Traddles, Menevia, Agricola, M.M.P., Gloria merces virtutis, Marguerite, Granville, Amethyst, Espérance, Nethery, West, G.E.M., Bobby, J.C.B., Athos, Dizzy, Petite Bête, Printemps, Andrée, Angus Macdonald, Fleur-de-lis, Leander, Ecolière, Alma, Monighean Dhu, Embark, Puella.

Class III.—Falcifer, C.C.F., Rolyan, Tia, En Silence, Switzerland, Kim, Hesperus, Duchess, Antoine, Téméraire, Isis, Bida, E.A.N., Anglaise, A.B.C., Maria Paulina, Bubbles, H.E.F., Primivère, G.E.M., Chrysolite, Cécile, Loftus, Chevalier, G.C., Crede experto, Touche, Notti, Flandrin, F.B., Johnny, Marianne, Redwin, Selaginella, Hibernia, Wyuna, Mignonne, Odette, Dicky, Denise, Reinga, N.I.C., Nemo, March 15th, B.A.Non-com., Dorma, M.M.H., Corncrake, Madeleine, A.J.M., Rouen, Nautilus, Delremos, Pauline.

Class IV.—Brown Beech, Per Ardua, Royalty, Frances, S.O.M., Snapdragon, Suzanne, Einna, D.M.S., Avis, Wendy, Zoe, Drake, Night, Puck, Oberon, Dentelle, St. Ives, Marguerite (Southgate).

Class V.—Betty, Clarissa, Teufelchen.

A Prize of Two Guineas is offered for the best reproduction in French of the following extract from Robert Curzon's "Visits to Monasteries in the Levant":—

Towards the afternoon, as we were proceeding at a trot along a narrow ledge above a stream, the baggage-mule, whose halter was tied to the crupper of my horse, suddenly missed his footing and fell over the precipice. He caught upon the edge with his fore-feet, the halter supported his head, and my horse, immediately stopping, leant with all his might against the wall of rock which rose above us, squeezing my left leg between it and the saddle. . . . I was the last of the party, and I had the pleasure of seeing all my company trotting on, unconscious of anything having occurred to

check their progress towards the journey's end. It was so bad a day that no one thought of anything but getting on. Every man for himself was the order of the day. I could not dismount, because my left leg was squeezed so tightly against the rock that I every moment expected the bone to snap. . . . There we were—the mule's eyeballs almost starting out of his head, and all his muscles quivering with the exertion. At last something cracked; the staple in the back of my saddle gave way; off flew the crupper, and I thought at first that my horse's tail had gone with it. The mule made one desperate scrambling effort, but it was of no use, and down he went, over and over among the crashing bushes far beneath, until at length he fell with a loud splash into the waters of the stream. Some of the people, hearing the noise made by the falling mule, turned round and came back to see what was the matter, and, horse and men, we all craned our necks over the edge to see what had become of our companion. There he was in the river, with nothing but his head above the water. With some difficulty we made our way down to the edge of the torrent. The mule kept looking at us very quietly till we got close to him, when the muleteer proceeded to assist him by banging him on the head with a great branch of a tree, upon which he took to struggling and scrambling; and, at last, to the surprise of all, came out apparently unhurt—at least, with no bones broken. The men looked him over, gave him a kick or two, by way of asking him how he was, and then, placing his load upon him again, we pursued our journey.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on April 11, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C.4.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 249.

FRENCH LANGUAGE AND LITERATURE.—Young English Lady (Bachelière ès Lettres), ten years' residence in France, desires in September non-resident post in London as FRENCH MISTRESS. Boys' or Girls' School. Experience in modern language teaching. Address—No. 10,749.*

LADY, Qualified, Certificated Teacher, with excellent public and private residential experience in responsible positions, seeks MANAGEMENT of good class Boarding School, or of Boarding House, in connexion with public school. Now in London. Address—No. 10,751.*

FULLY qualified ART MISTRESS, with excellent experience of teaching at Art School and Secondary Schools, wishes to take post next September in Public School in South of England. Address—No. 10,753.*

REQUIRED, by a fully qualified re-registered ART MISTRESS, a post in a Secondary School after Easter. Drawing, Painting, Embroidery, Crafts. Would assist with Junior Form work. Eleven years' experience. Good disciplinarian.—W., 32 Russell Road, Bowes Park, N.22.

LADY, Graduate, with wide experience on the Staff of a Public School, and Partner in successful Private School, desires ORGANISING WORK in connexion with School or College. Would take charge of House for Staff or Girls; has furniture. Address—No. 10,752.*

REQUIRED, Post as KINDERGARTEN or LOWER FORM MISTRESS. Higher N.F.U. Nine years' experience. Ablett and Cambridge Drawing. Students trained Higher Part I. Excellent testimonials and references. Salary from £80 resident. £160 non-resident. Address—No. 10,755.*

Posts Wanted—continued.

DEMobilized INSTRUCTOR seeks post in good School. Swedish Drill, Gymnastics, Games, Boxing and O.T.C. instruction.—H. WATKINSON, Greywell, Basingstoke.

EX-ARMY GYMNASIAC STAFF INSTRUCTOR seeks post in College, School or Institution. Instruction in Physical Drill (Swedish), Boxing, Wrestling, Athletics and Games.—CHARTER, 123 Great College Street, Camden Town, N.W.1.

BADGES, HAT BANDS, CAPS, TIES, &c.

Samples sent on approval, advertiser paying carriage both ways.

ESTIMATES FREE.

Special Designs and Colorings woven to Order.

Address—No. 10,748.*

ART MISTRESS desires Visiting Appointment, London or neighbourhood. Secondary School experience. Successes in Cambridge Local and other examinations. Drawing, Painting, Embroidery, &c. Qualified. Address—No. 10,756.*

VEUVE officier français, excellente instruction et éducation, desiré être prise avec fillette au pair dans College, high-class, côte sud. Donnerait leçons musique et français. Écrire—BOLLE, 22 Avenue Vauvenargues, Aix-en-Provence, France.

Posts Wanted—continued.

VICE-PRINCIPAL or entire charge. Lady (Hons. Classics, English) seeks post September. Non-resident preferred. Exceptional experience. Capable organizer; used to large numbers. Has connexion. No capital. Address—No. 10,764.*

ART MISTRESS, well qualified, experienced, desires post for May or September in School or Training College. Drawing, Painting, Design, &c., Art Needlework, Handicrafts. Address—ART, "Sancreed," Galton Road, Westcliff-on-Sea, Essex.

AN Oxford First Class man, elderly, impoverished by the War, would undertake Classics to any standard in Boys' or Girls' School on moderate terms. No agents. Address—A.H.S., 128 Fleet Street, E.C.4.

Posts Vacant.

WYCOMBE ABBEY SCHOOL, BUCKS.—Wanted for September term: (1) SCIENCE MISTRESS, chief subject Physics. (2) MISTRESS to teach German. (3) MISTRESS to teach Geography, Diploma essential. Applicants for first and second posts must have degree or equivalent. Initial salary from £160 to £230 according to qualifications and experience. Apply to HEAD MISTRESS.

TUNBRIDGE WELLS HIGH SCHOOL (G.P.D.S.T.).—Wanted in September, for work in an Advanced Course:—(1) A MATHEMATICAL MISTRESS. (2) A SCIENCE MISTRESS to take Chemistry and some Botany. Salary in each case about £200. Apply to the HEAD MISTRESS.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Posts Vacant—continued.

KENT EDUCATION COMMITTEE.

The Committee invite applications for the under-mentioned posts:—

Application forms, which must be returned by Saturday, the 26th April, may be obtained from the undersigned on receipt of a stamped addressed envelope. Three testimonials only, of recent date, to be submitted, with the names of not more than two referees who have personal knowledge of the applicant.

(1) **TWO INSPECTORS**, to visit and report upon all types of schools in the county, and to assist generally in the Committee's administrative and organizing work. The Committee look for persons of liberal education and administrative ability, well qualified as regards both academic attainments and teaching experience.

Each Inspector will be required to undertake such duties under the Director as may from time to time be assigned by the Education Committee. In allocating specific duties, due regard will be had to the Inspector's special qualifications and experience.

Initial salary from £500 to £600 a year, according to qualifications and experience.

(2) **COUNTY JUVENILE EMPLOYMENT OFFICER**. The person appointed will be required to act under the Director as Executive Officer for Juvenile Employment, to organize the work connected with the new County Scheme under the Education (Choice of Employment) Act, 1910, and to perform such other duties as may be assigned by the Committee. Candidates should be well educated, experienced in social work, and have knowledge of industrial conditions. Previous experience of juvenile employment work desirable.

Initial salary £350 to £450 a year, according to qualifications and experience.

E. SALTER DAVIES,

Director of Education.

Sessions House, Maidstone.
21st March, 1919.

AUSTRALIA

Teachers' Central Registry:

Twyford House, 17 Castlereagh Street, SYDNEY.

(Under the direction of a Committee appointed by the Teachers' Guild of N.S. Wales).

MEN and Women Teachers, especially resident ASSISTANT SCHOOL MASTERS and SCHOOL MISTRESSES, who would like to secure posts in Australasia, should write to the above address, stating qualifications and experience, and enclosing copies of testimonials with a view to obtaining posts when passage to AUSTRALIA is permitted.

Particulars on application to—

Miss GARRAN, Registrar.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten **free of charge** and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed **by return of post**.

Full price-list, with specimens of **typewriting**, sent on application.

KING, 45 Bedford Row, London, W.C.1

DUDLEY EDUCATION COMMITTEE.

SCHOOL FOR THE DEAF.

An **ASSISTANT TEACHER** of the Deaf, trained and certificated on the Oral System, is wanted for the above School, and applications for the post are invited. The salary will be from £110 to £220 per annum. Apply with testimonials to the undersigned.

J. M. WYNNE,

Education Offices, Director of Education.
St. James's Road,
Dudley.

WANTED, at once if possible or next May, a trained **MISTRESS** for Kindergarten and Lower Form work. Resident.—Miss BILES, High School, Wells, Somerset.

WELLINGTON SCHOOL, SOMERSET.—**ENGINEERING MASTER** required in May next. Practical knowledge in Electricity and Magnetism, and workshop experience in Metal work essential. Apply—**HEAD MASTER**, Wellington School, Somerset.

Posts Vacant—continued.

INCORPORATED ASSOCIATION OF ASSISTANT MASTERS IN SECONDARY SCHOOLS.

The above Association will shortly appoint an **ORGANIZING SECRETARY**, who must have had experience in a Secondary School.

Initial Salary £500.

Applications must be received on or before April 15 next by the Honorary Secretary, 35 John Street, Bedford Row, W.C.1, from whom particulars as to duties and terms of appointment may be obtained.

WANTED, for Enniskillen Royal School for Girls, a **MATHEMATICAL MISTRESS**. Salary, £90 resident.

REQUIRED in September (sail in August), for a Government High School in South Africa, a **MISTRESS** to teach History, Greek, some English. Degree or equivalent; training and experience. Salary from £170 to £190, rising by £5 annually to £250. Residence in school costs £32. 10s. per annum. Light supervision. Apply, with full particulars, to Mrs. BROUGH, Association of University Women Teachers, 108 Victoria Street, London, S.W.1.

LIVERPOOL COLLEGE, HUXTON, NEAR LIVERPOOL.—Wanted, in May, **MATRON** for Junior House. Experience in Nursing and School life essential. Age 28 to 38. Churchwoman. Apply **HEAD MISTRESS**, with photograph and full particulars.

WANTED, an **ENGLISH MISTRESS** (Graduate), resident, in good small Girls' School 14 miles from London. Subjects: English, History, good Latin, and, if possible, Modern Geography. Apply, giving all details, salary, &c., to Miss MASON, The Lodge, Banstead, Surrey.

ROYAL HOLLOWAY COLLEGE (UNIVERSITY OF LONDON).—The Governors invite application for the post of part-time resident **ASSISTANT LECTURER IN FRENCH** (woman) for the Session 1919-20. Applications should be sent by April 12th to the **PRINCIPAL**, Royal College, Englefield Green, from whom particulars may be obtained.

WANTED, for middle of April, a thoroughly efficient **SCHOOL MATRON**, trained to nurse in illness, for a free Montessori School in London with 20 boarders, ages 2½ to 17. Must care for "New Ideals," love children, and wish to study each individually. Help given. Principal; Miss K. MANVILLE, London Garden School, 17 Finchley Road, N.W.8.

WYGGESTON GIRLS' GRAMMAR SCHOOL, LEICESTER.—Wanted, after Easter, **MISTRESS** for French (with Phonetics) and English—Middle Forms. Degree and residence abroad desirable. Salary—scale. Apply, fully stating qualifications—**HEAD MISTRESS**.

HAINES HILL SCHOOL, TAUNTON.—Wanted, for May, **MATHEMATICAL MISTRESS**. Degree essential; good experience desirable. Initial salary up to £130 resident, according to qualifications. Apply, stating subsidiary subjects—**PRINCIPAL**.

THE LODGE SCHOOL, HULL.—**DAY SCHOOL FOR GIRLS**.—Wanted, in May, resident **MISTRESSES** to take Latin and English subjects. Also **MISTRESS** for the Transition. Apply—The **PRINCIPALS**, 12 Pearson Avenue, Hull.

MERTHYR TYDFIL EDUCATION COMMITTEE.

INTERMEDIATE AND TECHNICAL SCHOOL.

Wanted, on April 29th, a **CLASSICAL MASTER**. Honours Degree and some experience necessary. Salary min. £200, with allowance for experience; present max. £260, but scale is under revision. Apply for official form of application to the **HEAD MASTER**.

THE BOLTON SCHOOL.

GIRLS' DIVISION.

The Governors invite applications for the post of **HEAD MISTRESS**, to be vacant at the end of the Summer Term. 275 pupils, including Kindergarten. Plans are now being prepared for a new School to accommodate 500 pupils. Salary £250, rising by annual instalments of £25 to £350. Capitation £2 per head. Kindergarten pupils £1 per head.

Applications, with particulars as to age, teaching experience, University qualifications, &c., and accompanied by copies of three testimonials and two references, to be sent to the undersigned on or before the 7th April next. **FRANK WATKINS**, Clerk to the Governors.

20 Wood Street, Bolton.

SWANSEA EDUCATION COMMITTEE.

HIGH SCHOOL FOR GIRLS.

Head Mistress: Miss E. K. MULLINS (Cantab.).

Wanted, a **SENIOR SCIENCE MISTRESS**.

Applicants must hold an Honours Degree or its equivalent, and must be competent to undertake the organization and supervision of the whole of the Science teaching of the School.

Salary scale, £240, rising by £10 annually to £360. Previous Secondary experience will be taken into consideration in fixing the commencing salary.

Application forms can be obtained from the Education Offices, Grove Place, Swansea, on receipt of a stamped addressed envelope.

T. J. RHYS,

Director of Education.

WEST RIDING COUNTY COUNCIL.

EDUCATION DEPARTMENT.

The West Riding Education Committee invite applications for appointment as **ASSISTANT** in the Secondary Branch of the Education Department.

Candidates must be Graduates, preferably in Honours, and should have had some teaching experience.

Salary £350, rising to £500 by annual increments of £25.

A form of application may be obtained, together with particulars of the duties and conditions of appointment, from the **EDUCATION DEPARTMENT**, County Hall, Wakefield. The form should be completed and returned, together with copies of not more than three recent testimonials, so as to reach the Education Department not later than 9 a.m. on April 14th, 1919.

CERTIFICATED ASSISTANT

MISTRESS, Ladies' Boarding School. Subjects: Geography, some Kindergarten, Junior English, Games, Drill, Disciplinarian. Apply, stating salary, **PRINCIPAL**, Byculla, Southsea.

LINCOLN GIRLS' HIGH

SCHOOL.—Wanted, for September, **MISTRESS** with Honours degree (preferably Cambridge or London), to take some Physics and sole charge of Middle School, Chemistry, and possibly of Advanced Chemistry. Salary according to experience and qualifications. Applications, with testimonials, to the **HEAD MISTRESS**.

THE MOUNT SCHOOL, YORK.

—**SCIENCE MISTRESS** (resident) wanted in September to teach Chemistry, Botany, and elementary Physics. Apply—**HEAD MISTRESS**.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone
Gerrard 7921.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Sussex (Seaside).—Old-established good-class Boarding and Day School. Gross receipts about £2,600. 21 boarders, 33 day pupils. Rent only £150. One term's fees will be accepted for goodwill. Furniture at valuation.—No. 6,032.

Lancs.—Mixed Day School. Gross receipts average £780. 90 pupils. Rent £45. Goodwill £300.—No. 6,031.

Essex (Seaside).—Boarding and Day School. Net income £300 to £400. 69 pupils, including 14 boarders. Conducted by vendor 15 years. Goodwill and furniture £500 or close offer.—No. 6,033.

Wilts.—Old-established middle-class Boarding and Day School. Gross receipts past year £1,543. 27 Boarders, 79 day pupils. Modern premises. Goodwill about £300.—No. 6,029.

Surrey.—Boys' Preparatory School. Conducted by vendor over 20 years. Receipts past year about £530. 4 boarders, 37 day pupils. Easy terms of sale will be accepted.—No. 6,028.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 6,024.

Warwick.—Day School. Established 18 years. Gross receipts, about £250. 48 pupils.—Must sell at once. Any reasonable offer.—No. 6,034.

Lancs. (Seaside).—High-class Boarding and Day School. Established 30 years. 17 boarders, 34 day pupils. Net income about £526. Goodwill to be arranged. School furniture about £300.—No. 6,016.

S. Devon.—Boarding and Day School. Established 27 years. Receipts about £500. 50 pupils, 5 of whom are boarders. Goodwill and school furniture about £150 only.—No. 6,006.

East Coast.—Boarding and Day School. Receipts about £400. 7 boarders, 20 day pupils. Goodwill, school, and part household furniture, including 2 good pianos, about £350.—No. 6,004.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 251.

DEWSBURY WHEELWRIGHT GRAMMAR SCHOOL FOR GIRLS.

Applications are invited for the post of HEAD MISTRESS of the above School, which has a recognized Advanced Course in Modern Studies. Candidates must be Graduates of a British University or possess equivalent qualifications approved by the Board of Education, and must not be over 35 years of age.

The commencing salary is £450 per annum. Duties commence in September next. 271 pupils are now in attendance, and the question of additional accommodation is being considered by the Governors.

Forms of application, which must be returned not later than 30th April next, may be obtained from the undersigned.

Canvassing, either directly or indirectly, will be considered a disqualification.

GEO. E. FEATHERSTON,

Clerk to the Governors.

Office: Technical School, Dewsbury,
4th March, 1919.

ST. ANDREW'S SCHOOL, BLOEMFONTEIN, SOUTH AFRICA.

Warden: The LORD BISHOP OF BLOEMFONTEIN.
Head Master: F. W. STOREY, Esq., B.Sc., F.C.S.

Wanted, a resident ASSISTANT MASTER, holding the Board of Education Parchment Certificate and a degree. Must be able to teach English, Latin, and History up to the London Matriculation standard. Salary £320, rising by annual increments of £10, to £420 per annum, from which £60 per annum will be deducted for board and residence. The successful candidate will be expected to supervise games and preparation.

Second-class fare to Bloemfontein, South Africa, will be provided by the Committee of the School.

Applications should be sent to the HEAD MASTER, St. Andrew's School, Bloemfontein, and should be received by him on or before April 30th, 1919.

Duties will commence on July 18th, 1919.

Posts Vacant—continued.

NEWPORT ELEMENTARY EDUCATION COMMITTEE.

HIGHER ELEMENTARY SCHOOL AND PUPIL TEACHERS' CENTRE FOR GIRLS.

An ASSISTANT MISTRESS will be required to commence duties in the above School on May 1st. Applicants must be fully trained and possess University degree or equivalent, and should be specially qualified to teach English subjects, and Mathematics to at least Matriculation standard. Qualifications for assisting with Drawing, Needlework, or organized Games should be stated. Initial salary will depend upon qualifications and experiences, and a maximum of £225 will be reached by annual increments according to the scale.

Applications, with copies of at least three recent testimonials, should be sent in to me at once.

T. ARTHUR EAVES,

Secretary and Executive Officer.

Education Offices,
Charles Street, Newport, Mon.
March 7, 1919.

LINCOLN DIOCESAN TRAINING COLLEGE.

—Wanted, either (a) ORGANIZER OF SCHOOL METHOD for Teachers of Older Children, who is also willing to undertake Geography or one other subject in the curriculum; or (b) GEOGRAPHY LECTURER with a subsidiary subject. Initial salary for the more important post (a) to be arranged; for (b) not less than £150 resident. Apply—The PRINCIPAL.

UNIVERSITY OF MANCHESTER.—FACULTY OF EDUCATION.

The Council invite application for the post of LECTURER in Continuation-school Teaching. The Lecturer will have charge of the Continuation Classes in the Fielden Demonstration School. Further particulars may be obtained from the REGISTRAR.

FRENCH MISTRESS (resident)

required in May for Girls' Private School. Preparation for Exams. Some supervision. Good salary to suitable lady. Apply, with testimonials, PRINCIPALS, Lansdowne House, Murrayfield, Edinburgh.

Posts Vacant—continued.

NEWCASTLE - UNDER - LYME ENDOWED SCHOOLS.

ORME GIRLS' SCHOOL, NEWCASTLE.

Applications are invited for the position of HEAD MISTRESS of the Orme Girls' School belonging to the above Foundation. Duties to commence Autumn Term, 1919.

The School is a first-grade High School for Girls, containing at the present time 379 pupils. Its curriculum includes an Advanced Course in Modern Studies, recognized by the Board of Education.

The salary of the Head Mistress, including capitation fees, amounts at the present time to about £550 per annum.

Applications, accompanied by typed copies of two recent testimonials, should be forwarded to

H. POOLE,
Newcastle, Staffs. Clerk to the Governors.

DURHAM COUNTY COUNCIL.

BLAYDON SECONDARY SCHOOL (Mixed, 384).
Head Master: Mr. R. N. WILSON, B.A., B.Sc.

LANGUAGE MASTER or MISTRESS required from September, 1919. Highly qualified in French. Secondary School experience essential.

Applications must be received not later than first post on Monday, 7th April.

Salary according to new County Scale (£150-£300 women, £180-£400 men).

Canvassing, directly or indirectly, is prohibited, and will disqualify. For forms of application, apply, enclosing stamped addressed foolscap envelope, to the undersigned.

J. A. L. ROBSON,
County Secretary for Higher Education,
Shire Hall, Durham.
17th March, 1919.

UNIVERSITY COLLEGE, READING.

LECTURER IN PHYSICS.

The Council will shortly proceed to appoint a LECTURER IN PHYSICS. Full particulars of the appointment may be obtained from the REGISTRAR.

FRANCIS H. WRIGHT,
Registrar.

Messrs. GRIFFITHS, POWELL & SMITH,

Telegraphic Address :
"SCHOLASQUE, LONDON."

Educational and School Transfer Agents,
(Established 1833),

Telephone :
GERRARD 7021.

Kindly note new address—

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at 84 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

TO ASSISTANT MISTRESSES. SUMMER TERM VACANCIES.

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

ENGLISH, GENERAL FORM AND OTHER VACANCIES.

Assistant Mistress for English Language and Literature, and help in some other Form subjects, preferably Mathematics. Experienced. Salary £100 resident. (Hunts.)—No. 259.

Assistant Mistress for English subjects, Modern Geography, and History. Salary £100 resident. First-class School. (Eastbourne.)—No. 193.

S. Africa.—Senior English Mistress for English and Latin up to Matriculation standard. Well known School. Salary about £100 resident. Second-class passage.—No. 190.

Senior Mistress for usual English subjects up to Senior Oxford standard, with Mathematics and Botany. Teaching hours light. Salary £80 resident. (Hants.)—No. 444.

Assistant Mistress for general Form subjects, Modern Geography, and History. Salary about £80 resident. (Near London.)—No. 439.

Assistant Mistress for general English subjects and Latin. Salary about £80 resident. (East Coast.)—No. 419.

History Mistress, able also to take some Literature and English. Degree if possible. Salary £90 resident. (South Coast.)—No. 377.

Assistant Mistress for English and Mathematics. Drawing and Games desirable. Home School. Salary £80 resident. (Hunts.)—No. 378.

English Mistress for good general English subjects. Salary about £80 resident. (Surrey.)—No. 345.

Assistant Mistress for Botany, Nature Study, and Geography. Salary about £80 resident. (South Coast.)—No. 288.

Senior English Mistress with good qualifications. Graduate preferred. Salary about £80 resident. (Herts.)—No. 286.

Mistress for Latin, with either Mathematics or History. County Dual School. Salary from £140 non-resident, according to qualifications, &c. (Wales.)—No. 255.

Experienced English Mistress, with qualifications to teach Geography, English, and some elementary Arithmetic. Salary about £90 resident. (Near London.)—No. 212.

Assistant Mistress for Mathematics and Modern Geography. High-class School. Salary £100 resident. (Kent Seaside.)—No. 357.

Form Mistress for general subjects up to Senior Cambridge standard. Salary £75 resident. (Cambridge.)—No. 359.

Assistant Mistress for History, Geography, Arithmetic, Algebra, and Geometry. Salary £70 resident. (Somerset.)—No. 331.

Form Mistress for Modern Geography, Scripture, and History, with some subsidiary subjects. First-class School. Salary £70 resident. (South Coast.)—No. 431.

A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses. 150 posts for Junior Mistresses asking salaries of from £25 to £40 resident.

50 STUDENT-GOVERNESSES also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of Suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Mistresses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 252 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

MUSIC VACANCIES.

Senior Music Mistress specially for Pianoforte. Solo and Class Singing desirable. Important School. Salary £80 resident. (Kentish Coast.)—No. 413.

L.R.A.M. or one holding equivalent Certificates, for Violin and Piano. Large and important School. Salary £75 or more resident. (Lancs.)—No. 371.

Mistress for good Piano, Theory, and Singing. Able to prepare for Examinations. Salary £65 resident. (Cheshire.)—No. 347.

Mistress for Piano for R.A.M. and R.C.M. Examinations. Class Singing. Salary £60 resident, or a capitation fee and opportunity of taking private pupils. (Sussex, Seaside.)—No. 346.

KINDERGARTEN AND PREPARATORY FORM VACANCIES.

Kindergarten Mistress, able also to take Form II work. Salary about £70 resident. (Cornwall.)—No. 240.

Mistress for Kindergarten and Form I. Must be capable and experienced. Salary about £60 resident. (London.)—No. 364.

Well-qualified Kindergarten Mistress for good School in London. Salary about £60 resident. (London.)—No. 203.

Kindergarten Mistress experienced with young children, but need not necessarily be trained. Salary £60 resident. (Surrey.)—No. 349.

GYMNASTIC AND PHYSICAL CULTURE VACANCIES.

Mistress for Gymnastics, Dancing, Games, Physiology, and Hygiene. Important School. Salary £80 resident. (Staffs.)—No. 231.

Mistress for Games and Drill. Good training desired. High-class School. Salary £70 resident. (Sussex.)—No. 429.

Gymnastic and Games Mistress, also able to take Remedial work and Swimming. Salary about £70 resident. (Yorks.)—No. 417.

Drill and Games Mistress able to take Swedish Drill, Lacrosse, Tennis, Swimming, &c. Salary about £70 resident. (Near London.)—No. 302.

DOMESTIC SCIENCE VACANCIES.

Domestic Science Mistress, also able to take some Lower Form subjects. Salary £120 non-resident. Intermediate School.—No. 323.

Mistress for Domestic Science subjects for School of House Crafts. Salary about £80 resident.—No. 424.

Certificated and Experienced Domestic Science Mistress for good School. Salary £70 resident. (Cumberland.)—No. 252.

Senior French Mistress able also to help with other subjects. Two other French teachers. Salary £80 to £110 resident. (Wales.)—No. 209.

Assistant Mistress for good Latin and History throughout the School. Arithmetic, and Mathematics. Salary about £70 resident. (N. of England.)—No. 200.

Assistant Mistress for Latin, Mathematics, Geography, &c. High-class School. Salary £70 resident. (London.)—No. 404.

Two Mistresses: (1) Mathematics and English; (2) Latin, French, Literature, and English. Good-class School. Salaries £70 resident. (Worcestershire.)—No. 228.

Assistant Mistress for French up to Cambridge Higher Local standard and elementary German. University qualifications or good experience desired. First-class School. Commencing salary £100 resident or more. (Surrey.)—No. 219.

SCIENCE AND MATHEMATICAL VACANCIES.

Assistant Mistress for general elementary Science and Games. Graduate preferred. Commencing salary £170 non-resident. County School. (London.)—No. 426.

Mistress for Chemistry, Physics, and Geography. Commencing salary £150 non-resident. County School.—No. 334.

Assistant Mistress for Mathematics and some Science. Graduate looked for. Salary £130 to £150 according to qualifications. High School. (Yorks.)—No. 260.

Two Science Mistresses required in September (1) to help with Mathematics, Physics, and Chemistry; (2) Botany and Zoology. Graduates looked for. Commencing salaries £150 non-resident, but experience will be taken into account in fixing initial salary.—No. 442.

Assistant Mistress for Mathematics and Science up to Senior Cambridge standard. Good School. Salary about £100 resident. (Worcestershire.)—No. 422.

Assistant Mistress for Mathematics and Modern Geography. Good-class Boarding School. Salary £100 resident. (Kent, Seaside.)—No. 357.

Mistress for Mathematics and Physics up to Senior Cambridge standard. Geography. High School. Salary £95 resident, or £50 non-resident. (Somerset.)—No. 301.

Assistant Mistress for Mathematics to Matriculation standard. Latin a recommendation. Salary £80 resident. (Devon.)—No. 263.

Assistant Mistress for Mathematics to Senior Oxford standard and some English. Salary £90 or more resident. (Wales.)—No. 178.

Assistant Mistress for Chemistry, Junior Mathematics, and English. Large important school. An adequate salary will be given to a suitable lady. (Lancs.)—No. 283.

Posts Vacant—continued.

GLOUCESTER GIRLS' HIGH SCHOOL.—The Governors invite applications for the post of HEAD MISTRESS, to begin work in September next.

Candidates must hold an Honours degree of a British University, or possess equivalent qualifications.

The School is a Secondary School under the Board of Education, the number of pupils now being about 460.

Salary £500, rising by annual increments of £25 to £600 per annum.

Applications, stating age, qualifications, and previous experience, together with ten copies of not more than three recent testimonials, must be sent to the undersigned not later than 10th April.

A. BALLINGER,

Clerk to the Governors.

24 Barton Street, Gloucester.

WEST NORFOLK AND KING'S LYNN HIGH SCHOOL FOR GIRLS.

Applications are invited for the post of HEAD MISTRESS, vacant after July next. Candidates must be Graduates of a University in the United Kingdom, or have such other equivalent qualification as may be approved by the Board of Education. Present number of pupils 330, including 40 in the Preparatory department. Salary £350, rising by annual increments of £20 to £450.

Applications, stating age, qualifications, and experience, and accompanied by not more than three recent testimonials, must be sent not later than 9th April to—G. H. ANDERSON, Town Hall, King's Lynn, Clerk to the Governors.

CAMBRIDGESHIRE EDUCATION COMMITTEE.**CAMBRIDGE AND COUNTY SCHOOL FOR GIRLS, CAMBRIDGE.**

Wanted, in September, two SCIENCE MISTRESSES to help with Mathematics, Physics, and Chemistry; one to specialize in Botany and Zoology. Degree essential. Commencing minimum salary £150, but experience taken into account. Annual increments. Apply—EDUCATION SECRETARY, County Hall, Cambridge.
22nd March, 1919.

A THIRD GYMNASIAC MISTRESS

will be required next September for St. Paul's Girls' School, Brook Green, Hammersmith, W.6. Initial salary £150 to £180, according to qualifications. Applications should be addressed to the HIGH MISTRESS.

WANTED, in May, a TEACHER

of HISTORY and SCRIPTURE or LITERATURE. Degree essential and some experience. Please write, with photograph, to Miss WILLIS, Downe House, Downe, near Orpington, Kent.

WANTED, next Term, MISTRESS

to teach Botany and Mathematics. Churchwoman; experienced. Apply, enclosing stamped addressed envelope for return testimonials, HEAD MISTRESS, Streatham College for Girls, 254 High Road, Streatham, S.W.16.

REQUIRED, in May, in good

Boarding School, MUSIC MISTRESS for Piano (Matthay system), Class Singing, elementary Violin. Salary according to qualifications.—PRINCIPAL, Byculla, Southsea.

COLSTON'S GIRLS' SCHOOL, BRISTOL.

Required for September:—

(1) ASSISTANT MISTRESS to teach English. Honours Degree essential. Some Games desirable.

(2) ASSISTANT MATHEMATICS MISTRESS to take some Advanced Course work in Applied Mathematics. Honours Degree and good experience essential.

Salary in each case according to qualification and experience.

Apply to the HEAD MISTRESS.

LADY ELEANOR HOLLES'

SCHOOL, 182 MARK STREET, E.S.—DOMESTIC ECONOMY MISTRESS required in May, to take charge of Catering and teach Cookery and Needlework. Preference given to candidates with secondary-school experience and with knowledge of Embroidery as well as Plain Needlework. Initial salary, £130 to £150 non-resident. Apply—HEAD MISTRESS soon as possible.

Posts Vacant—continued.**RATHMINES URBAN DISTRICT COUNCIL TECHNICAL INSTRUCTION COMMITTEE.**

APPLICATIONS are invited for the position of—

Principal of the Municipal Technical Institute and Secretary to the Committee.

Salary will commence at £500, rising by annual increments of £20 to £600 per annum.

The Institute is, principally, a School of Commerce, and applicants must hold qualifications in, and have had experience in teaching, higher branches of commercial work.

The appointment will be subject to the approval of the Department of Agriculture and Technical Instruction for Ireland.

Applications, accompanied by not more than three copies of testimonials, stating age, qualifications and experience, should be addressed to the CHAIRMAN, Municipal Technical Institute, Rathmines, Co. Dublin, on or before 19th April.

The Prospectus of the School may be had on application.

Municipal Technical Institute,
Rathmines, co. Dublin.

WANTED, in May, a MISTRESS

to teach Commercial Subjects and to undertake some Clerical Work. Apply—HEAD MISTRESS, Skippers' Company's School for Girls, Stamford Hill, N.16.

WINCHESTER HOUSE

SCHOOL, HIGHLANDS LANE, ST. LEONARDS-ON-SEA.—A STUDENT MISTRESS, about eighteen years old, required to help with children (Music necessary), in return for opportunities of study.

HIGH SCHOOL, HALIFAX.

Wanted (1) Easter or September. SCIENCE MISTRESS, Botany, Physics, Elementary Chemistry. Salary for graduate with training, £160 to £220. (2) June or September. ART MISTRESS. Salary for Art Master's Certificate or equivalent qualification, £150 to £210. Apply—HEAD MISTRESS.

WANTED, in May, in Girls' Private

School, MISTRESSES to teach the following subjects: (1) Classics up to the Matriculation standard. Needlework and Botany desirable as supplementary subjects. (2) Modern Languages—German and Italian with Spanish and Phonetics if possible. (3) Fencing and Eurythmics. Any who are qualified to undertake one, two, or three of these subjects apply to the Principal, Mrs. DUDLEY HERVEY, Westfields, Aldeburgh, Suffolk. Salary £100 to £150 resident, according to subjects taken and experience.

TRAINED and experienced COOK-

HOUSEKEEPER wanted for Edgell Girls' College, Bideford. Apply, stating age and qualifications, &c., to Rev. R. S. HALL, Edgell College, Bideford.

WANTED, in May, a resident

MISTRESS, to take Junior Forms and Botany. Training or experience necessary. Apply—Miss HIGGINS, Weybridge High School, Weybridge, Surrey.

HISTORY MISTRESS (Honours

graduate and training in experience) wanted, in September, at the Modern School, Exeter. Salary according to scale. Apply, with testimonials, to the HEAD MISTRESS, Miss Headridge.

TYPEWRITING.**TESTIMONIALS, 6d. per dozen.**

MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work.—M. GLENISTER, 3 Friern Park, N. Finchley, N. 12.

SOUTHEAST HIGH SCHOOL

FOR GIRLS.—Wanted, for September, SCIENCE MISTRESS, good Chemistry; state subsidiary subjects. Degree essential. Experience desirable. Salary, according to scale, initial £180 plus War bonus £26. Apply, at once, to HEAD MISTRESS.

Posts Vacant—continued.**NATAL EDUCATION DEPARTMENT.****REQUIRED.**

(1) ADVISER ON TECHNICAL EDUCATION.

Age.—Not to exceed 35 years.

Salary.—£550, by £20 per annum to £650, with travelling and subsistence allowances.

Duties.—To inspect and report on what is usually termed "Technical Education" in Colleges and Schools, and to supervise, consolidate, and extend this side of educational work, particularly in regard to its relation to the industries of South Africa—Agriculture, Mining, Manufacturing, &c.

Successful candidates must possess good Science Degree, and have taught and be capable of teaching.

(2) HEAD MISTRESS for School at Durban for Physically Defective Children (Boys and Girls).

Age.—Not over 35 years.

Salary.—£300, by £20 per annum to £350.

Successful candidates must be certified and be specially trained for and possess technical experience of this kind of work.

(3) ASSISTANT MISTRESS for School at Durban for Physically Defective Children (Boys and Girls).

Age.—Not over 30 years.

Salary.—£200, by £15 to £300.

Qualifications as in (2) above.

Applications in the above connexions (accompanied by copies of testimonials) to be lodged with the High Commissioner for South Africa, 32 Victoria Street, Westminster, S.W.1, not later than 30th April, 1919.

Successful candidates will be required to produce Birth and Medical Certificates.

WARRINGTON TRAINING

COLLEGE.—Wanted, to take up duties in September, a LADY VICE-PRINCIPAL. Must be a Graduate and a member of the Church of England. Apply immediately to the Rev. the PRINCIPAL.

WARRINGTON TRAINING

COLLEGE.—Wanted, in September, two RESIDENT MISTRESSES OF METHOD; one for Teachers of older children, the other for Infants' Teachers. The latter will be required to take Handwork. Experience in each case essential. Degree and Teaching Diploma desirable. Commencing salary £140 to £150. Apply immediately to the Rev. the PRINCIPAL.

QUEEN ETHELBURGA'S

SCHOOL, HARROGATE.—Wanted, for September, MISTRESSES, Graduates. (1) For German and junior French. (2) For Mathematics. (3) for History. Salaries from £100 to £150, according to experience, resident. Apply—HEAD MISTRESS.

REQUIRED, in September, resi-

dent DOMESTIC SCIENCE TEACHER, in the Truro Diocesan Training College. Churchwoman, experienced, fully qualified. Half time given to work in Centres under the L.E.A. Commencing salary equivalent to £130 to £150 non-resident. Apply—PRINCIPAL, Training College, Truro.

ST. BRIDE'S SCHOOL,

HELENSBURGH, DUMBARTONSHIRE.—Required, in September, MISTRESS for Classics and MISTRESS for History and English. Good qualifications. Essential salaries: £160 to £220, non-resident. Apply to HEAD MISTRESS.

LEAMINGTON SECONDARY

SCHOOL FOR GIRLS.—Required in September, a SCIENCE MISTRESS to teach Botany, Elementary Chemistry, and Physics. Degree and experience essential. Salary from £160 according to qualifications. Apply, giving full particulars and enclosing copies of three testimonials, to the DIRECTOR OF EDUCATION, Avenue Road, Leamington. Applications must be endorsed "Science Mistress."

HOLLAND.—COMPANION

GOVERNESS: required, girl 15; titled family. Belgium GOVERNESS, three little girls. Good Salaries.—Boarding School, France. ENGLISH MISTRESS.—Hooper's, 13 Regent Street, S.W.1. Many vacancies. No charge till suited. Established 1881.

THE JOINT AGENCY FOR WOMEN TEACHERS,

OAKLEY HOUSE,
14, 16, and 18 BLOOMSBURY STREET, LONDON, W.C.1.

Teachers seeking Posts in Public and Private Schools and Training Colleges for the Summer Term and for September should apply **at once** to the Registrar. **Governesses seeking Private Posts** are also invited to enter their names on the books of the Agency.

The following are selected from the posts vacant; unless stated otherwise, the posts will not become vacant until September. There are many Summer Term vacancies still on the books:—

MATHEMATICS AND SCIENCE.

County Secondary School in London, N.W. Mathematics. JA 15295
County High School in Essex. Botany, Chemistry. JA 17146
Subsidiary, Physics. JA 17146
Public School in Scotland. Mathematics. Mathematical Physics desirable. Salary up to £180. JA 17452
High School in Warwickshire. Mathematics. Salary £150 to £190 or £200. JA 17498
Secondary School in Cheshire. Mathematics. Honours degree and experience. Initial salary £150 to £200. JA 17504
High School in London, S.E. (1) Botany and Chemistry or Geography or Physics. (2) Mathematics. Physics desirable. JA 17531, 17714
High School in Yorkshire. Mathematics. Honours degree and experience or training desirable. Salary from £150 non-resident or £90 resident. JA 17536
Public School in Northants. Mathematics. Good degree. Good salary according to qualifications. JA 17568
Public School in Scotland. Science. JA 17611
High School in Herefordshire. Mathematics. Cambridge or London degree preferred, and experience. Initial salary £140 to £185. JA 17643
High School in Kent. (1) Mathematics. (2) Chemistry. Botany, elementary Physics, Geography. Honours degrees. Advanced Course work. Salaries £200 non-resident. JA 17672, 17673
Public School in London, S.E. (1) Chemistry, Physics. (2) Botany, Zoology desirable. Salaries from £160 non-resident. JA 17648, 17746
Boarding School in Yorkshire. Senior Mathematics, elementary Physics. Good salary resident or non-resident. JA 17697
Public School in Herts. Botany. Desirable: elementary Zoology, elementary Physics, and Chemistry. Cambridge or London degree preferred, and training. Salary from £150, and rooms. JA 17710
Boarding School in Kent. Mathematics, Botany, Chemistry. Salary £85 or £90 resident. JA 17733

GEOGRAPHY.

County High School in Cheshire. Geography, some subsidiary subjects, and Games. Initial salary from £130. JA 17164
Grammar School in Herts. Geography. Some History and Games desirable. Salary £150 to £250. JA 17571
Boys' Grammar School in Staffs. Wanted in May. Geography and English Mistress. Age 24 to 26. Salary £150. JA 17741
High School in London, S.E. Wanted in May. Mistress for Geography and Arithmetic. JA 17756

CLASSICS.

High School in Worcestershire. Classics. Oxford woman preferred. Churchwoman. Salary £150. JA 17274
Public School in Berkshire. Classics. Salary £150. JA 17328
Girls' Grammar School in London, S.E. Wanted in May. Mistresses for: (1) Classics. Some English and Scripture. Honours degree and experience.

(2) Middle School Latin. Scripture, History, English. Pass degree and experience. JA 17771 & 17772

ENGLISH AND HISTORY.

High School in Lancs. Advanced English. Some French desirable. Honours degree. Minimum salary £140. JA 17005
High School in Warwickshire. English for Scholarship and Advanced Course. Oxford woman preferred. Initial salary £240 to £260, rising to £300. JA 17194
High School in London, S.E. English. Good salary. JA 17577
High School in Co. Durham. History. Subsidiary, English or French or Mathematics. Oxford or Cambridge woman preferred. Churchwoman. Minimum salary £150 non-resident. JA 17623
County Secondary School in Notts. English and French. Experience and degree or Higher Local Certificate. Salary, Graduate from £150; non-graduate from £120. JA 17666
County Secondary School in Kent. English, possible Advanced Course work. Experience desirable. Salary £150 to £180. JA 17704
High School in Cheshire. History. Oxford or Cambridge preferred. Good salary. JA 17751

MODERN LANGUAGES.

Mixed School in Co. Durham. French. Salary scale £150 to £300. JA 17319
Public School in Scotland. Senior French Mistress. JA 17451
Public School in North Wales. Wanted in May or September. Mistress to teach French and some subsidiary subject. Honours degree, training, or experience. Salary £80 to £110 resident. JA 17544
High School in Lincolnshire. French lady from Paris or Northern France. Salary from £130 non-resident. Increments £10. JA 17629
Public School in Berkshire. French. Salary £170 to £190 non-resident. JA 17640
County School in Surrey. Wanted in May. Mistress for French, Middle and Lower School. Salary, graduate from £150, non-graduate from £120. JA 17742
Public School in Hertfordshire. Good French. Some German desirable. Experience essential. JA 17769

FORM POSTS.

Public School in Scotland. Preparatory School for Girls under 14. Arithmetic, Elementary Mathematics, English, Latin desirable. Salary £150 to £170 non-resident. JA 17603
Public School in Berkshire. Middle Form. English, Elementary Mathematics, History. Pass degree and training. Salary £170 or £180. JA 17642
Mixed School in Yorkshire. Wanted as soon as possible. Mistress for Lower Form work. French and German desirable. Degree. Salary scale £150—£10—£350. JA 17749
High School in Derbyshire. Wanted in May. Mistress for Middle Form work. Science or Latin desirable. Degree. Initial salary £150 to £165. JA 17760

PRIVATE SCHOOL POSTS.

School in London, S.W. Mathematics. Salary £140 non-resident. JA 16205
School in Surrey. Two Mistresses wanted to teach Mathematics, Geography, Botany, Elementary Science, Arithmetic, General Subjects. Posts resident or non-resident. JA 17476
School on Sussex Coast, 60 pupils. Junior Latin or Mathematics, some subsidiary subject, Games. Churchwoman preferred. Salary £60 to £70 resident. JA 17576
Private Day School in Kent. Experienced Mistress for Scripture, Games, and Time-tables. Age 30 to 40. Salary £150 to £170 non-resident. JA 17768

KINDERGARTEN & JUNIOR FORM POSTS.

High School in Northumberland. Wanted in May. Mistress for Kindergarten and Form I. Salary £120 to £150. JA 17523
Public School in North Wales. Wanted in May or September. Second Form Mistress, with Training for Junior Form work. Salary from £70 resident. JA 17565
High School in Devon. Wanted in May:—(1) Mistress for Forms I and II (ages 8 to 10). Salary £80 to £100 resident, or £120 to £130 non-resident. (2) Junior Kindergarten Mistress, children under 8. Salary from £110 non-resident, or £80 resident. JA 17508 and 17598
Municipal Secondary School in Suffolk. Wanted in May. Mistress for First Form (ages 7 to 9). Salary from £140, rising to £260. JA 17626
Boys' School in Warwickshire. Wanted in May. Kindergarten Mistress. Salary £140 to £150. JA 17707
Public School in London, S.E. Wanted in May. Mistress for Preparatory Form (ages 5 to 8). Salary £120 to £140. JA 17711

ART, MUSIC, GYMNASICS, DOMESTIC SCIENCE.

Public School in Lancashire. Wanted in June or September. an Art Mistress who can teach Sewing. Salary £150. JA 17518
Private School in Norfolk. Wanted in May. Mistress for Piano, Harmony, Theory, Class Singing. Salary £80 resident. JA 17530
High School in London, N.W. Wanted in May. Gymnastics and Games Mistress. Dartford or Bedford training. Salary £130 to £140 non-resident. JA 17624
Public School in Lincolnshire. Wanted in May. Mistress for Drawing, Painting, Handwork, Needlework. Piano desirable. Salary from £130. JA 17674
Public School in Kent. (1) Gymnastics, Games. (2) Domestic Science; little Chemistry desirable. Initial salaries £150. JA 17705 and 17706
Public School in Somerset. Wanted in May. Domestic Science Mistress. Minimum salary £120. Churchwoman preferred. JA 17723
Public School in Sussex. Wanted in May. Art Mistress. Some other subject needed. Salary scale: Graduates, £150 to £250; non-graduates, £130 to £200. JA 17757

Teachers who would like to apply for any of these posts should write at once to the Registrar for the Regulations of the Agency and enter their names without delay. **Reference to a post must be made by number.**

No Registration Fee is charged to Members of the following Societies:—

THE TEACHERS' GUILD, ASSOCIATION OF ASSISTANT MISTRESSES, THE COLLEGE OF PRECEPTORS; and the Commission on the first year's salary is 1 per cent. for a non-resident and 1½ per cent. for a resident post. Teachers who are not Members of one of these Associations are charged a Registration Fee of 2s. 6d., and the Commission on the first year's salary is 3 per cent. for a non-resident, and 3½ per cent. for a resident post.

Registrar: Miss ALICE M. FOUNTAIN.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

FIRST FORM MISTRESS required in May in large Private School near London. Address—No. 10,750.*

PARTNER.—Modern Active PARTNER required for Summer Term, or SECOND MISTRESS (with view to ultimate Partnership) in good-class Girls' School on South Coast. Address—No. 10,758.*

CANADA.—MATRON-NURSE required, a lady of strong personality, good training and experience. Large Church of England School (300 girls). £100.—**Channel Islands.** MATRON. £80.—**Herts.** Dual School, LADY HOUSEKEEPER £100, MATRON from £60.—**Hants.** MATRON. £70. Many other excellent vacancies. No charge till placed. **HOOPER'S**, 13 Regent Street, S.W.1. Established 1881. Stamp.

RESIDENT MISTRESS required in May, for Mathematics and English. (Geography desirable).—Miss PARKER GRAY, Abbotsford, Broadstairs.

BRIDLINGTON HIGH SCHOOL FOR GIRLS. Required.—(1) After Easter, MATRON for School Boarding House. Nursing experience essential. Apply—HEAD MISTRESS. (2) In September, SENIOR SCIENCE MISTRESS (Botany). Degree essential. Apply—HEAD MISTRESS.

WANTED, FOR SUMMER Term, a MATRON with some experience, for Girls' Small Private Boarding School on the South Coast. It would be an advantage, but is not absolutely necessary, if she had knowledge of Housewifery and could teach that subject. Address—No. 10,760.*

WANTED, in October, in Girls' Boarding School in Edinburgh, Resident MISTRESS to teach Gymnastics, Dancing, Swimming and Games. Salary £60 to £80, according to qualifications and experience. Address—No. 10,761.*

AFTER Easter. Wanted, visiting BOTANY or SCIENCE MISTRESS. Two hours twice a week. Good terms. Girls' school, Bucks. Half an hour from Paddington. Address—10,763.*

MATHEMATICAL TUTOR wanted for a College at Cambridge. Non-resident. Must be an Honours Graduate. Physics as a subsidiary subject desirable. Salary £220 a year. Suitable position for disabled soldier. Apply by letter only, giving full particulars of qualifications to "Tutor" c/o University Book Company Ltd., 48 Southampton Row, W.C.1.

WANTED at the end of May, 1919, a well educated woman, age 25 to 35, as SECRETARY to the MARIA GREY TRAINING COLLEGE. Book-keeping, Shorthand, and Type-writing essential. Salary £130, rising by £10 yearly to £160. Applications to be sent in before April 30 to the PRINCIPAL of the College, Salisbury Road, Brondesbury, N.W.6.

ST. PAUL'S GIRLS' SCHOOL, BROOK GREEN, W.6.—The post of CHIEF MISTRESS of Modern Languages will be vacant in July. The initial salary is from £270 to £300 according to qualifications. Applications are invited and should be addressed to the HEAD MISTRESS.

WANTED, in May, a FORM MISTRESS for a Girls' Boarding School. Elementary Mathematics, English subsidiary. Salary to scale according to qualifications. Address—No. 10,768.*

WANTED in May, for a large Girls' Boarding School, a SENIOR MATHS. MISTRESS. Cambridge Tripos or London B.Sc. preferred. Training or experience desirable. Excellent salary rising to scale to suitable applicant. Light out-of-school duties. Address—No. 10,769.*

Posts Vacant—continued.**KENT EDUCATION COMMITTEE.****COUNTY SCHOOL FOR BOYS, GRAVESEND.**

Wanted, at the beginning of the Summer Term, an ASSISTANT MASTER, qualified to teach Art and English. A good disciplinarian with previous experience desirable. Initial salary £140 to £220, according to qualifications, together with an allowance for approved experience and training up to a limit of £115. Maxima: (a) £250, or (b) £330 according to qualifications and character of work. Annual increments: (a) £10, or (b) £15.

Forms of application may be obtained from the Local Secretary, Mr. W. A. CLENCH, Technical Institute, Gravesend, and should be returned to the Head Master, County School for Boys, Gravesend, as soon as possible.

E. SALTER DAVIES,
18th March, 1919. Director of Education.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.**BINGLEY TRAINING COLLEGE.**

Principal: Miss H. M. WONEHOUSE, M.A., D.Phil.

The Education Committee invite applications for the following Staff Appointment at the Bingley Training College. Candidates for the post must be women:—

LECTURER IN MUSIC.—Candidates should hold a Diploma in Music, should be prepared to teach Theory of Music and Singing with Tonic Solfa and Staff Notation, to prepare Students on the lines of the Music Syllabus of the Certificate Examination, and to undertake the control of the general musical life of the College. A knowledge of the production of the speaking voice is very desirable.

Commencing salary £200 to £250 non-resident according to qualifications and experience. A highly qualified and successful teacher might ultimately be placed on the graduate scale which rises to a maximum of £380. Board and residence in College to be provided, if desired, at a charge of £45 a year.

Last day for receipt of applications 28th April, 1919. Further particulars and forms of application to be obtained from the EDUCATION DEPARTMENT (Secondary Branch), County Hall, Wakefield.

WANTED, September, MIDDLE

FORM MISTRESS for large good-class Day School. Good disciplinarian. Qualified and experienced. Two good subjects throughout school and keen interest in Form. Salary according to qualification. Resident. Apply—Mrs. BAXTER PHILLIPS, Wistons, Dyke Road, Brighton.

ST. MARTIN'S ENDOWED HIGH SCHOOL.

15 CHARING CROSS ROAD, W.C.2. ASSISTANT MISTRESS required in September, specially qualified either in Classics or Mathematics. State any subsidiary subject offered. Good Honours Degree and experience in handling young children of 10 to 12 essential. Games desirable.

Initial salary £120 to £180 according to experience, rising to £270, with the temporary war bonus at rate of £39 per annum.

Apply—HEAD MISTRESS.

ST. MARTIN'S ENDOWED HIGH SCHOOL.

15 CHARING CROSS ROAD, W.C.2. Wanted in May, VISITING MISTRESS (2 afternoons weekly) for Upper School Gymnastics and Games. Dartford or Bedford training preferred. Apply at once to HEAD MISTRESS.

CAMBRIDGESHIRE EDUCATION COMMITTEE.**CAMBRIDGE AND COUNTY SCHOOL FOR BOYS, CAMBRIDGE.**

Wanted, a HEAD MASTER. Salary £600, rising by annual increments of £25 to £800. About 300 boys now in the School. Application must be made by May 1st, on a form provided for the purpose, which may be obtained of the EDUCATION SECRETARY, County Hall, Cambridge.

25th March, 1919.

COWLEY GIRLS' SCHOOL,

St. Helens.
(Endowed, Secondary, 380 Pupils.) Required, experienced MISTRESS to take charge of the Physical Education of this School. Age range of pupils, 5-19. Preference given to candidates between the ages of 26 and 32. Salary £150 per annum. Apply—HEAD MISTRESS.

Posts Vacant—continued.**THE GIRLS' SCHOOL COMPANY, LTD.****THE PARK SCHOOL.**

Vacancies for September. All non-resident. Initial salary, in each case, according to qualification and experience. Yearly increment £10.

(1) SCIENCE MISTRESS to take Chemistry and Physics. Salary scale £180-£300.

(2) SCIENCE MISTRESS to take Botany and Nature Study. Salary scale £160-£220.

(3) JUNIOR MODERN LANGUAGE MISTRESS. Principal subject, French, which must have been acquired abroad. Second language desirable. Salary scale £140-£200.

(4) JUNIOR FORM MISTRESS to take principally Form II and, if possible, Class Singing in Forms II and III. Froebel training preferred. Salary scale £140-£200.

Apply to the HEAD MISTRESS.

RIPON GRAMMAR SCHOOL.**APPOINTMENT OF HEAD MASTER.**

The Governors of the above-named School intend to proceed to the appointment of a HEAD MASTER, to begin duties in September next. Candidates must hold a degree, preferably in Honours, of a University in the United Kingdom. Salary £450, rising by annual increments of £25 to £600, together with a house free of rent, rates, and taxes. The Head Master's house has accommodation for 50 Boarders. At present there are 30 Boarders at the School. Further particulars will be supplied on application.

Applications should be made upon forms which may be had of the undersigned, to whom they should be returned, together with copies of not more than three recent testimonials, so as to reach him not later than the 23rd April, 1919.

Canvassing will be a disqualification.

CHAS. D. SPROUL,
Skell Villa, Ripon. Clerk to the Governors.

PORTSMOUTH HIGH SCHOOL,

G.P.D.S.T.—Wanted, in September, MISTRESS to teach and organize English throughout the School. Good degree and experience or training essential. Salary according to qualifications. Apply—HEAD MISTRESS.

HARROGATE COLLEGE.—

Wanted, in September, SENIOR MATHEMATICAL MISTRESS. Elementary Physics on recommendation. Apply—HEAD MISTRESS.

LADY (Resident) required, Summer

Term, in School Boarding House, Kent. 40 girls, pupils at the High School (G.P.D.S.T.). Under 40, an experienced disciplinarian, and generally interested in girls. No teaching, but preference given to lady with teaching experience. Duties entirely with girls. Matron on staff. Good salary. Address—No. 10,770.*

LAWNSIDE, GREAT

MALVERN.—Wanted, SENIOR ENGLISH and HISTORY MISTRESS. Resident. Good degree. Salary £100 to £120, according to qualifications and experience. Apply—Miss HARMAN.

TOO LATE FOR CLASSIFICATION.**ELOCUTION, &c.—Miss ROSE**

PATRY, 3 LOWER SEYMOUR STREET, W.1.—Teachers trained. Private Lessons. Centre for Treatment of Stammering, &c., caused by Shell-shock. Schools visited by Miss Patry and her Assistant. Entertainments arranged. New Play and Peace Pageant suitable for School Entertainments by Miss PATRY. Highest references.

MISS PRIOR, Head Gardener

to the Earl of Clarendon, late Head Gardener at Heathfield, Ascot, takes a limited number of students. Ladies receive thorough individual training in private market Gardening. For prospectus apply—The Old Mill House, The Grove, Watford.

YOUNG French Lady, 19, (Brevet

d'enseignement primaire supérieur) seeks post as a Teacher in Boys' or Girls' School.—Mlle. LAVAU, Aristine à la Péruze, par Chabanais, (Charente), France.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years. The following are some of the Vacancies for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates for the Summer and September Terms, 1919:—

General Form Mistresses.

ENGLISH MISTRESS required for important Girls' School on the South Coast in September. She must have either the Oxford Honours School or Cambridge Tripos. Salary from £90, in addition to board and residence.—No. 13,113.

SENIOR ENGLISH MISTRESS in first-class Girls' School within easy reach of London, to teach general subjects. The School is run on High School lines. The post resident one and good salary to really well qualified Mistress.—No. 13,058.

SECOND ENGLISH MISTRESS in good-class Girls' School in East of England. She must offer History as one of her chief subjects. The post is res. and salary abt. £100.—No. 12,022.

SENIOR ENGLISH MISTRESS, after Easter, in high-class Girls' Boarding School on the South Coast, to offer general English subjects, including Modern Geography. Salary up to £90, in addition to board and res.—No. 12,948.

SENIOR ENGLISH MISTRESS, after Easter, for first-class Girls' School in the South-west of England, to teach good History and English Literature. Degree essential. Salary £100 res.—No. 12,927.

ASSISTANT MISTRESS, to teach good History and English Literature in high-class Girls' School on the South Coast. Salary from £80, in addition to board and res.—No. 11,542.

SECOND ENGLISH MISTRESS in first-class Girls' Boarding School in the South of England, to teach good English subjects, Mathematics, and Geography. Salary up to £100, in addition to board and residence.—No. 12,841.

JUNIOR FORM MISTRESS required in important Girls' Boarding School in South-west of England, to teach good Mathematics and English. The post res. one and good salary.—No. 13,116.

JUNIOR MISTRESS in large Girls' School in the South-west of England, to teach good Nature Study, with some French. Salary from £60, in addition to board and res.—No. 13,105.

KINDERGARTEN MISTRESS in Girls' School in South of England. Froebel Trained Mistress looked for. Salary from £80, in addition to board and res.—No. 13,038.

ASSISTANT MISTRESS, to teach Form I, with good-class Singing. Froebel Trained Mistress preferred. Salary from £75 res., according to qualifications.—No. 13,032.

ASSISTANT MISTRESS, to teach Form II, with General English subjects, in Girls' Boarding School in Ireland. Salary from £60, in addition to board and res.—No. 13,005.

ASSISTANT MISTRESS, to teach General Junior Form subjects, including good Needlework. Lady is looked for who has had Kindergarten experience. Salary about £60, in addition to board and res.—No. 13,048.

ASSISTANT MISTRESS, to teach General Junior Form subjects, with good History and Literature in important Girls' School in Scotland. Salary £70, in addition to board and res.—No. 12,952.

Mathematical and Science Mistresses.

SCIENCE MISTRESS required, in September, in first-class Girls' School on South Coast, to

teach Botany, Physiology and elementary Chemistry, and Physics. A lady is looked for who has a Science Degree, preferably from Cambridge or London. The post will be res. and salary about £100.—No. 13,113.

SENIOR MATHEMATICS MISTRESS in important large Girls' Boarding School, in South-west of England. Lady is looked for who has degree. Salary from £120 res.—No. 13,115.

SCIENCE MISTRESS, in large Girls' Secondary School in the North of England, to teach Botany, Physics, Chemistry, and, if possible, some Zoology. Salary offered, from £160 to £220 non-res.—No. 15,003.

SCIENCE MISTRESS in first-rate Girls' Boarding School, on South-east Coast, to teach Chemistry, Physics and Botany, and, if possible, Junior Mathematics. Salary about £100 res.—No. 13,054.

MATHEMATICAL MISTRESS, in good-class Girls' School, within easy reach of London. Lady is looked for who has degree. Salary up to £100, in addition to board and res.—No. 13,061.

SCIENCE MISTRESS, in high-class Girls' Boarding School for East of England, to teach Botany, Chemistry, and Modern Geography. Degree essential. The post will be res. and good salary offered.—No. 12,939.

SENIOR MATHEMATICAL MISTRESS in large Girls' Boarding School in North England. Lady is looked for who has a degree, and if she could take elementary Physics, it would be a recommendation. The post could be held as non-res. or res. one and good salary.—No. 12,926.

MATHEMATICAL MISTRESS in important Girls' Boarding School in South West England. Lady is looked for who has Degree and member of the Church of England. Salary £130 res.—No. 12,794.

ASSISTANT MISTRESS in important Girls' High School in London, to teach Botany and Mathematics up to Matriculation standard. Member of Church of England essential. Good salary offered and post res. one.—No. 12,279.

Classical Mistresses.

TEMPORARY CLASSICAL MISTRESS in important Girls' School in South-west England, to teach Greek and Latin, also Mathematics or English as subsidiary subjects. The post res. and good salary.—No. 12,690.

CLASSICAL MISTRESS in first-class Girls' Boarding School in South-east England. Salary £100 res.—No. 13,053.

Boys' Preparatory Schools.

ASSISTANT MISTRESS required, to teach good Latin, with elementary English, also Games, and lady who is interested in the Scout Movement will be greatly preferred. Salary up to £90 res.—No. 12,932.

ASSISTANT MISTRESS in Boys' Preparatory School in North Wales, to teach good Music, Ablett's Drawing, and General elementary English subjects. Salary up to £80 in addition to board and residence.—No. 13,052.

ASSISTANT MISTRESS, to teach good Piano, Singing, and general English subjects, in Boys' Preparatory School within easy reach of London. Salary from £60 in addition to board and res.—No. 13,804.

Modern Language Mistresses.

ASSISTANT MISTRESS required, to teach good French up to Matriculation standard, in Girls' High Class School in North of England. Salary up to £70 in addition to board and res.—No. 13,110.

ASSISTANT MISTRESS, to teach good French, preferably acquired abroad, in large Girls' School within easy reach of London. She will also be required to take elementary History as subsidiary subject. Salary about £100 in addition to board and res.—No. 13,056.

TEMPORARY MODERN LANGUAGE MISTRESS in important Girls' School in Scotland, to teach good French and German. Salary about £80 in addition to board and res., or post could be held as non-res. one, with corresponding salary.—No. 12,951.

ASSISTANT MISTRESS in large Girls' High School in Scotland, to teach good French up to Matriculation standard. Post will be res. and good salary offered.—No. 12,916.

MODERN LANGUAGE MISTRESS to teach good French, acquired abroad, with elementary German, in first-class Girls' Boarding School, within easy reach of London. Salary from £100 in addition to board and res.—No. 12,725.

SENIOR FRENCH MISTRESS in important Girls' Boarding School in North Wales, to teach good French, acquired abroad, and to offer any subsidiary subjects. Salary offered up to £100 res.—No. 12,697.

Games and Domestic Science Mistresses.

GAMES MISTRESS required, to teach good Drill, Dancing, and Swimming, in important Co-Educational School in South of England. Salary about £90 res.—No. 13,057.

PHYSICAL CULTURE MISTRESS, in very important Girls' Boarding School on the South Coast. She will also be required to take Games and Dancing. The post will be resident, and good salary offered to well qualified Mistress.—No. 13,015.

GAMES MISTRESS, to teach good Dancing and Remedial Gymnastics, in important Girls' Boarding School within easy reach of London. Salary £100 res. or £150 non-res.—No. 12,860.

DOMESTIC SCIENCE MISTRESS in first-class Girls' High School in Scotland. The post will be res. and good salary.—No. 12,916.

Music and Drawing Mistresses.

ART LECTURER in important Training College in North of England required. She will also be required to take Needlework, and, if possible, some French. Salary from £90 res.—No. 11,822.

ASSISTANT MISTRESS, to teach good Piano, Class Singing, and elementary English, in good-class Boys' Preparatory School within easy reach of London. The post res. and good salary.—No. 13,108.

Messrs GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

TRUMAN & KNIGHTLEY, Ltd.,

Scholastic Agents.

158-162 OXFORD STREET, LONDON, W.1.

ASSISTANT MISTRESSES' DEPARTMENT.

Ladies seeking appointments in Public and Private Schools for the coming Term, or September, should apply as early as possible to Messrs. TRUMAN & KNIGHTLEY, who will be pleased to give their requirements careful attention.

There is no registration fee and the commission charged to those for whom an appointment is secured is very moderate.

SEPTEMBER VACANCIES.

The following are selected from a large number of AUTUMN TERM VACANCIES for which Messrs. TRUMAN & KNIGHTLEY have been instructed to select and put forward candidates:—

ENGLISH, HISTORY, and GENERAL FORM MISTRESSES.

History Mistress for Church High School in the North. Experience recognized for registration and pension. Non-res. £150 to £160, or possibly more.—A 70377.

English Mistress for Public Secondary School in Eastern Counties to teach to Senior Cambridge Local standard. Elementary History or Latin a recommendation. Graduate essential. Non-res. £120 to £150, rising by £10 to £180 or £190 or more.—A 68740.

Head Mistress for high-class Private School in Scotland, to take charge of educational side of school and care of boarders. Good qualifications and experience. Res. with good salary.—A 71924.

Principal for Training College for Women in Egypt under Government. Honours degree or equivalent, with experience of administration and organization. Training College experience a recommendation. Non-res. about £615 to £820 per annum and furnished quarters.—A 72467.

Middle School Form Mistress for Girls' Public School in Home Counties to teach English, some Mathematics, and some History. A good pass degree and training required. Non-res. £170 to £180.—A 71929.

Lecturer in Education and Mistress of Method for Elementary Training College for Women in Midlands. Graduate and a Churchwoman in sympathy with Evangelical views is looked for. Res. £250 to £300.—A 69527.

English Specialist for Girls' High School in Midlands. Honours degree and experience essential. Oxford Student preferred. Non-res. £250.—A 69976.

Head English Mistress for high-class Boarding School near London, with good English, some History, French Translation, and elementary Latin. Work subject to arrangement. Capable teacher with good qualifications and experience. Res. about £100.—A 71314.

English Specialist for good Public High School for Girls in South-west Counties, to organize English teaching throughout the School. Honours degree essential. Non-res. £150 to £200.—A 72561.

MODERN LANGUAGE MISTRESSES.

Modern Language Mistress for Girls' High School in the North to teach French for Advanced Course work. Honours degree and experience essential. Non-res. £220, rising.—C 72172.

French Mistress for Church High School in Northern Counties to teach French throughout the School to Higher Local standard, and a little German. Oxford or Cambridge student who has lived abroad preferred. Non-res. from £160.—C 69676.

Junior French Mistress for Public High School in Scotland. Non-res. £130 to £150, rising £180.—C 72558.

CLASSICAL MISTRESSES.

Classical Mistress for Girls' High School in Northern Counties, with Latin, Ancient History, and English. Graduate essential. Non-res. £160, rising.—C 72173.

Classical Mistress for first-class Girls' Private School on the South-east Coast. Good qualifications essential. Res. £150.—C 71190.

Classical Mistress for first-class Public School for Girls near London. Oxford or Cambridge Student essential. Non-res. £180 to £250.—C 70539.

MATHEMATICAL, SCIENCE, and GEOGRAPHY MISTRESSES.

Mathematical Mistress for Secondary Day School in London. Subsidiary Science or Games a recommendation. Honours degree essential. Non-res. from £120, rising to £270 or £320.—C 72576.

Mathematical Mistress for Girls' High School near London to take Mathematics for Advanced Course work. Honours degree essential. Non-res. £200.—C 72118.

Head of Staff for high-class Private Day School near London to teach Mathematics and some other subjects. Experience essential. Graduate preferred. Non-res. £150 or more, with part board.—C 71808.

Mathematical Mistress for Public Secondary School for Girls in Northern Counties. Non-res. £150 to £180.—C 71591.

Mathematical Mistress for Church Public Boarding School for Girls in Midlands to teach to Scholarship standard. Degree essential. Churchwoman preferred. Res. from £90, according to experience and qualifications, rising to £270.—C 69677.

Science Mistress for Girls' High School near London to teach Advanced Course work in Science, Chemistry, Botany, elementary Physics. Honours degree essential. Non-res. £200.—C 72117.

Lecturer for well known Physical Training College near London to take Physiology and Hygiene. Graduate preferred. Res. £130 to £150.—C 69110.

Science Mistress for important Girls' High School in South-west Counties to take Physics and Chemistry. New laboratories being built. Non-res. from £200.—C 72459.

Science Lecturer for Elementary Training College for Women in South-west Counties to teach elementary Science and Botany. Graduate and Churchwoman essential. Res. £80 to £120.—C 7252.

Science Mistress for Girls' High School in Scotland to take Botany to Upper School and Nature Study to Junior School. Non-res. £160 to £180, rising by £10 to £220.—C 72679.

Geography Mistress for Public Secondary School for Girls in Home Counties to teach Geography throughout the School. Subsidiary English or Games a recommendation. Graduate essential. Training or experience a recommendation. Non-res. from £150, rising to £250.—A 71764.

Geography Mistress for Girls' High School in Midlands. Subsidiary work arranged; Science preferred. Good qualifications and experience desired. Non-res. £150 to £200, increasing.—A 72602.

Assistant Mistress for high-class Private Boarding and Day School in Midlands to teach Geography and subsidiary work which can be arranged. Good qualifications essential, and experience a recommendation. Res. about £100.—A 65385.

KINDERGARTEN MISTRESSES.

Kindergarten Mistress for Public Secondary Girls' School in Hertfordshire. R.D.S. Drawing a recommendation. Non-res. £130 to £140 initial.—J 71704.

Kindergarten Mistress for high-class Private Girls' School in North Scotland to take charge of Junior Department. Froebel training and experience essential. Res. £80 to £90.—J 72652.

Kindergarten Mistress for Church High School in South Africa. Higher N.F.U. Certificate and Churchwoman essential. Res. £100, rising £110, and 2nd class passage on 3 years' agreement.—J 62864.

Junior Form Mistress for Girls' High School in Scotland to teach chiefly in Forms II and I. Junior Class Singing or Elocution a recommendation. Froebel-trained candidate preferred. Non-res. £130 to £150 initial.—J 72566.

ART MISTRESSES.

Art Mistress for large Public Church of England Boarding School in the Midlands. Res. £80 to £100, increasing to £150.—B 71698.

Art Mistress for Public High School in Yorkshire to teach also Needlework and some Junior Form work. Good qualifications essential. Non-res. £150, increasing.—B 71482.

Art Mistress for Training College in North of England to teach Drawing, Needlework, and Handwork. High qualifications and experience essential. Res. from £100.—B 69484.

Art Mistress for Public Day and Boarding School in Home Counties to teach Drawing and Design. Applied Arts and Handicrafts a recommendation. Up-to-date Mistress required. Non-res. £80 to £90 for three days' work a week.—B 71757.

MUSIC MISTRESSES.

Music Mistress for Church of England Boarding School in the South of England to teach Class Singing throughout the School, and elementary Violin. Res. £70.—B 72352.

Violin Mistress for important Public School in the North of England to teach Violin to girls up to 17 years of age, take charge of the orchestra, and teach some Pianoforte. Res. post, with good salary.—B 71210.

GYMNASTICS AND GAMES MISTRESSES.

Teacher of Physical Exercises, Dancing, and Games for Church of England Training College in the Midlands. Diploma from first-rate Physical Training College and experience essential. Res. from £120 to £140, increasing.—B 72687.

Gymnastics Mistress for Training College in the North of England. Good qualifications and experience. Res. from £90.—B 72785.

TECHNICAL MISTRESSES.

Domestic Science Mistress for Training College in the South-west of England to prepare Students for Board of Education Examinations in Housecraft. Good training and good experience and Churchwoman. Res. £80, or non-res. £140 to £170.—B 72427.

Domestic Arts Mistress for Domestic Science Branch of high-class Boarding School in the North of England, to run house with six students over eighteen years of age. A trained and responsible Mistress required. Res. £85 to £90.—B 71941.

There are separate Departments for—

ASSISTANT MASTERS and **LADY MATRONS** and **HOUSEKEEPERS** for Schools.

TRUMAN & KNIGHTLEY, Ltd.,

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over Schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the transfer of Schools, and is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Interviews will be arranged by appointment.

The following are selected from several Schools the sale of which Messrs. TRUMAN & KNIGHTLEY have been instructed to negotiate:—

GIRLS' SCHOOLS.

SOUTH COAST.—Old-established School. 73 boarders, paying fees from 60 to 80 guineas per annum, exclusive of extras. First-rate modern premises, specially built for their purpose, standing in large grounds. Gross receipts between £5,000 and £6,000; net profit between £700 and £800 per annum. Capitalisation accepted for goodwill; furniture at valuation. Premises will either be let or sold.—T 2905.

SOUTH-WEST SUBURB OF LONDON.—Flourishing Day School. 117 day pupils, paying from 6 to 15 guineas per annum, exclusive of extras; 6 boarders, paying £55 to £65 a year, exclusive of extras. House specially built for School, with large garden and gymnasium. Gross receipts nearly £1,800. Rent £85 a year. Goodwill, £600. Furniture at valuation. Part of purchase money could be paid off by instalments.—T 2920.

SURREY.—High-class Day School in first-class residential neighbourhood, with accommodation for boarders. Present Principal taking her boarders to the sea. She will leave between 40 and 50 day pupils, paying from 15 to 18 guineas per annum, exclusive of extras. Excellent house, grounds of 5 acres, the property of the Principal, well adapted for its purpose, with accommodation for 20 boarders—laboratory, large gymnasium, &c. One term's capitation fee accepted for connexion. A certain amount of school furniture at valuation.—T 2678.

NORTH - WEST COAST.—Old-established School. 40 boarders paying from 75 guineas per annum, and over 50 day pupils. Work up to University standard, with Domestic Science branch. Two houses standing in an acre of ground at a combined rent of £380 a year. Receipts over £4,000; net profit from £700 to £800 per annum. One term's fees for goodwill; furniture at valuation. Part of the purchase money could be paid off by instalments.—T 2241.

NORTH-WEST OF ENGLAND.—Old-established Boarding and Day School. 21 boarders, paying from 80 to 90 guineas per annum, exclusive

of extras; 110 day pupils paying from 9 (in the Kindergarten) to 24 guineas per annum, exclusive of extras. The premises, which are the freehold property of the Principals, are large and stand in their own grounds on sandy soil, and are especially adapted for school purposes; separate Domestic Science School; central heating. Premises could be bought, or let at £250 a year. Gross receipts nearly £4,400; average net profit over £500 after allowing for rent. Goodwill, £1,000; furniture at valuation. Part of the purchase money could remain on mortgage.—T 2970.

MIDLAND CITY.—Principals of a large high-class Day and Boarding School wish to move to the sea with their boarders, and dispose of their day connexion, comprising 270 pupils at fees from 9 to 15 guineas per annum, exclusive of extras; boarders pay from 60 to 65 guineas per annum. The school is well organized, and has a high standard of work. The premises are commodious, and fitted throughout with every appliance for carrying on a large modern school; large gymnasium, beautifully fitted with Swedish apparatus; also Housewifery school. Gross receipts from the day pupils alone amount to nearly £3,000 a year. Capitalisation accepted for pupils taken over; furniture at valuation. Part of the purchase money could be paid off by instalments. Excellent opening for two University women.—T 2949.

N.W. OF ENGLAND.—High-class Day School, quite full with 160 pupils paying from 7½ to 13 guineas per annum, exclusive of extras. School carried on in large house, with hard tennis court adjoining, containing 7 large school rooms, 1 smaller class room, and 4 rooms used as music rooms. Rent £100 per annum. Gross receipts for the last year, £2,356. 13s. 10d.; net profit, £862. 1s. 10d. The low price of £400 accepted for goodwill; furniture at valuation.—T 2977.

SOMERSETSHIRE.—Principal of high-class Church of England Boarding and Day School wishes to move nearer London with her boarders, and to dispose of her day connexion, comprising

between 40 and 50 pupils paying £14 to £26. 10s. per annum, exclusive of extras. School carried on in two houses intercommunicating, with large school hall built on, standing in own grounds with ample facilities for games. Gross receipts from day pupils over £1,000 a year, which more than covers expenses. £350 down accepted for goodwill; furniture at valuation.—T 2502.

SOUTH COAST.—Old-established Boarding and Day School. 46 boarders at fees of £105 per annum, with extras, and 20 day pupils paying 15 to 21 guineas per annum, exclusive of extras. House, standing in grounds of an acre, the property of the Principal, who will sell, or let at £350 a year. Gross receipts over £4,000 a year; net profit about £800. £2,500 accepted for goodwill, furniture, and fixtures. A well qualified teacher would be received as Head Mistress at a salary of £150, with a view to early partnership and ultimate succession.—T 1069.

YORKSHIRE.—Boarding and Day School for Girls in inland health resort. 39 boarders paying 42 to 51 guineas per annum, exclusive of extras; 52 day pupils paying 9 to 15 guineas per annum, exclusive of extras. Premises rented at £150 per annum. Gross receipts nearly £2,395; net profit, £564. Goodwill, £1,000; furniture at valuation. Principal would accept £800 paid down, balance by instalments.—T 2947.

NORTH-WEST OF ENGLAND.—High-class Boarding and Day School. 10 boarders, paying 75 to 90 guineas per annum, exclusive of extras; 9 day boarders paying 21 to 27 guineas, and 23 day pupils paying 12 to 18 guineas per annum, all exclusive of extras. Detached house in one acre of ground, with accommodation for 12 boarders and 35 day pupils; recently redecorated, electric light installed, and put in first-class order. Gross receipts nearly £2,000; net profit, £600. The Executors of the late Principal willing to negotiate with a suitable successor able to pay down from £300 to £400.—T 2963.

BOYS' SCHOOLS.

WEST OF ENGLAND.—First-class Preparatory School for Boys, full with 46 boarders paying fees of 100 guineas, exclusive of extras. Freehold premises specially built for their purpose, and equipped with every modern convenience, standing in grounds of ten acres, 800 feet above sea level. Average net profit last three years, £1,475. £12,000 for premises, goodwill, school and dormitory furniture, and equipment. £6,000 paid down.—T 2829.

SOUTH COAST.—Preparatory School, over-full with 32 boarders paying on an average £84. 15s. 6d. per annum each, and 7 day boys paying about £20 per annum each. Premises recently specially built for their purpose, standing in grounds of 7 acres, on one of the finest sites in the South of England. Gross receipts over £3,000; net profit last year, £1,496, after paying ground rent and mortgage interest. Premises so constructed that

a wing could be added to provide further accommodation. £6,400 for the entire premises (leasehold for 87 years), goodwill, and furniture. Mortgage of £1,200 at 4½ per cent. could be transferred.—T 2931.

KENT.—High-class Preparatory School, containing 28 boarders paying from £105 to £120 per annum, exclusive of extras. Premises, specially built for their purpose, in grounds of 8½ acres in a very healthy situation, provide accommodation for 34 boarders. Average gross receipts about £3,000; net profit, after allowing for rental value, about £750. Premises, £6,500, of which £4,000 could remain on mortgage; goodwill and school furniture, £2,000.—T 2967.

MIDLANDS.—Day School for Boys. 50 pupils paying from 12 to 15 guineas per annum, exclusive of extras; accommodation for a few boarders

if required. Gross receipts, £630; net profit, £370. Goodwill and school furniture, £620.—T 2872.

NORTH-WEST COAST.—Old-established Day and Boarding School. 71 day pupils paying from 6 to 15 guineas per annum, exclusive of extras, and 19 boarders paying from 45 to 57 guineas per annum, exclusive of extras. Gross receipts nearly £2,000; net profit, £481. Goodwill, £800 school and household furniture at valuation.

NORTH OF ENGLAND.—Old-established Day School for Boys, containing 105 pupils paying 9 to 15 guineas per annum. Large house in grounds of half an acre, with room for 12 boarders in addition to day pupils. Gymnasium. Rent £170 per annum. Gross receipts £1,590; net profit, £549. Goodwill, school furniture, and gymnasium, £1,200.—T 2909.

Offices: 158-162 OXFORD STREET, LONDON, W.1.

Telegrams: "TUTORESS," Phone, London.

Telephone: Museum 1136.

A SELECTION FROM METHUEN'S EDUCATIONAL LIST

Announcement List and Catalogues sent on application

THE PLAY-WORK BOOK. By ANN MACBETH, author of "Needlecraft." With 114 Illustrations. 2nd Edition. Crown 8vo. 3s. 6d. net.

THE MODERN OFFICE. By J. STEPHENSON, M.A., M.Com. (Vict.), B.Sc. (Lond.), Head of the Higher Commercial Department, Business Training School, Polytechnic, W. Crown 8vo. 3s. 6d.

SCHOOL EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Crown 8vo. 3s. and 3s. 6d. per volume; Keys, 3s. 6d., 5s., 6s., and 7s. 6d., all net. French, Latin, Greek, German, General Knowledge, Trigonometry, Arithmetic, Logarithms, Mensuration and Book-keeping Examination Papers with Keys. History and Geography. Physics. English History.

THE BEGINNER'S BOOKS. Edited by Canon WILLIAMSON, B.A. Fcap. 8vo. Prices 1s. 6d., 1s. 9d., and 2s. 3d. per volume. Easy French Rhymes. Easy Stories from English History. Stories from Roman History. Stories from the Old Testament. Stories from the New Testament. First Course in English. First History of Greece. Easy Exercises in Arithmetic. Easy Dictation and Spelling. Easy Poetry Book.

JUNIOR EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Fcap. 8vo. 1s. 6d. each volume. Keys, 5s. net each. Scripture (Old and New Testament). French. English. Arithmetic. Algebra. Greek. Latin and Key. General Information and Key. Geography. German. History.

JUNIOR SCHOOL BOOKS. Edited by O. D. INSKIP, LL.D., and Canon WILLIAMSON, B.A. Crown 8vo. Prices 2s. 3d., 3s., 3s. 6d., and 4s. per volume. Dictation Passages. Kings. St. Matthew. St. Mark. St. Luke. Apostles. English Grammar. Greek History. Latin Prose. German Grammar. Science. Physics. Chemistry. French Grammar. French Prose. Geometry. Latin Grammar. English Literature.

BY EDMUND SELOUS

TOMMY SMITH'S ANIMALS. 15th Edition.

TOMMY SMITH'S OTHER ANIMALS. 7th Edition.

TOMMY SMITH AT THE ZOO. 2nd Edition.

TOMMY SMITH AGAIN AT THE ZOO. 2s. 9d. each. Each Fcap. 8vo.

LANGUAGE AND LITERATURE

HIGHER ENGLISH. By F. J. RAHTZ, M.A., B.Sc. Author of "Junior English." 12th Edition. Crown 8vo. 6s.

A CLASS-BOOK OF DICTATION PASSAGES. Selected by Canon WILLIAMSON, B.A. 21st Edition. Crown 8vo. 2s. 3d. [*Junior School Books.*]

ENGLISH LITERATURE. By F. J. RAHTZ, M.A., B.Sc., 3rd Edition. Crown 8vo. 3s. 6d.

FIRST FRENCH LESSONS. By A. M. M. STEDMAN, M.A. 13th Edition. Crown 8vo. 1s. 6d.

A SCHOOL LATIN GRAMMAR. By H. G. FORD, M.A. 4th Edition. Revised. Crown 8vo. 4s. [*Junior School Books.*]

INITIA LATINA. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 16th Edition. Fcap. 8vo. 1s. 6d.

HISTORY

A HISTORY OF ENGLAND. In Seven Volumes. Edited by CHARLES OMAN, M.A. With Maps. Demy 8vo. 12s. 6d. net each volume. England before the Norman Conquest: under the Normans and Angevins: in the Later Middle Ages: under the Tudors: under the Stuarts: under the Hanoverians: since Waterloo.

A SHORT HISTORY OF ROME TO THE DEATH OF AUGUSTUS. By J. WELLS, M.A. With 3 Maps and 4 Plates. 16th Edition. Crown 8vo. 6s.

A JUNIOR HISTORY OF GREAT BRITAIN. By E. M. WILMOT-BUXTON, F.R.Hist.S. 4th Edition. Crown 8vo. 3s. 6d.

THE INDUSTRIAL HISTORY OF ENGLAND. By H. DE B. GIBBINS, Litt.D., M.A. With Maps and Plans. 23rd Edition. Crown 8vo. 5s.

THE RE-MAKING OF MODERN EUROPE, 1789-1897. By J. A. R. MARRIOTT, M.A. With 10 Maps. 10th Edition. Crown 8vo. 6s.

MAKERS OF EUROPE. Outlines of European History for Middle Forms. By E. M. WILMOT-BUXTON, F.R.Hist.S. With 12 Maps. 16th Edition. Crown 8vo. 5s.

MATHEMATICS

EASY EXERCISES IN ARITHMETIC. Containing 5,000 examples. By W. S. BEARD. 10th Edition. Fcap. 8vo. Without Answers, 1s. 9d. Answers, 1s. net. [*Beginner's Books*]

A NEW JUNIOR ARITHMETIC. By H. BOMPAS SMITH, M.A., Head Master of King Edward VII School, Lytham. Fourth Edition. Crown 8vo. With Answers, 4s. Without Answers, 3s.

CHEMISTRY

THE COMPLETE SCHOOL CHEMISTRY. By F. M. OLDHAM, M.A. With 125 Illustrations. 12th Edition. Crown 8vo. 7s. 6d.

EXAMPLES IN PHYSICS. By C. E. JACKSON, M.A. 4th Edition. Crown 8vo. 5s.

ELEMENTARY CHEMICAL THEORY. By J. M. WADMORE, M.A., Senior Science Master at Aldenham School. With Diagrams. Crown 8vo. 5s.

A TEXT-BOOK OF INORGANIC CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College, Author of "Outlines of Physical Chemistry." With many Diagrams. 3rd Edition. Crown 8vo. 8s. 6d.

OUTLINES OF PHYSICAL CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College. With many Diagrams. 6th Edition. Crown 8vo. 7s. 6d.

PHYSICO-CHEMICAL CALCULATIONS. By JOSEPH KNOX, D.Sc., Lecturer on Inorganic Chemistry, Aberdeen University. 2nd Edition. Crown 8vo. 4s. 6d.

TECHNOLOGY

CARPENTRY AND JOINERY. By F. C. WEBBER, Chief Lecturer to the Building Trades Department of the Merchant Venturers' Technical College at Bristol. With 176 Illustrations. 6th Edition. Crown 8vo. 6s.

ELECTRIC LIGHT AND POWER. By E. E. BROOKS, B.Sc. (Lond.), Head of the Department of Physics and Electrical Engineering, Leicester Municipal Technical School, and W. H. N. JAMES, A.R.C.S., A.M.I.E.E., Lecturer in Electrical Engineering, Municipal School of Technology, Manchester. With 17 Plates and 230 Illustrations. 5th and Revised Edition. Crown 8vo. 6s. 6d.

ENGINEERING WORKSHOP PRACTICE. By CHARLES C. ALLEN, Head of the Department of Engineering, Technical Institute, Auckland. With 152 Illustrations. 4th Edition. Crown 8vo. 5s.

AN INTRODUCTION TO THE STUDY OF TEXTILE DESIGN. By ALDRED F. BARKER, Head of the Textile Department, Bradford Technical College. With numerous Illustrations and Diagrams. 2nd Edition. Demy 8vo. 8s. 6d.

METHUEN & CO., LTD., 36 Essex Street, London, W.C.2

London: Printed by C. F. HODGSON & SON, Newton Street, Kingsway, W.C.2, and Published for the Proprietors by Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

No. 598.
Vol. 51. WITH SUPPLEMENT.

LONDON, MAY 1, 1919.

PRICE 8D.; BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

June 1919 issue ready on May 31.
Advertisement scale is on page 289. The
latest time for prepaid Advertisements is
MAY 22.

SCHOLARSHIP NOTICES.

See pp. 304 and 305.

PHYSICAL TRAINING.

See pp. 263, 266, 268.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and pp. 270, 297.

UNIVERSITY TUTORIAL COLLEGE,
See p. 263.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See pp. 289, 316.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President. 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
NEW PREMISES: 7, 9 & 10 Brunswick Sq., London,
W.C.1.

For Holiday Course Advertisement, see page 269.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.

Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced.

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.
When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W. 1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

TEACHERS' DIPLOMAS.

The COLLEGE OF PRECEPTORS holds Exam-
inations of Teachers for the Diplomas of Associate,
Licentiate, and Fellow of the College in London,
Belfast, Birmingham, Bristol, Cardiff, Cork, Dublin,
Glasgow, Leeds, Liverpool, Manchester, Newcastle-
on-Tyne, and Plymouth. The Theory and Prac-
tice of Education is an obligatory subject for
each grade. For Regulations apply to the SECRE-
TARY, College of Preceptors, Bloomsbury Square,
London, W.C.1.

PRELIMINARY EXAMINATIONS

FOR

MEDICAL, DENTAL,

AND

PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Ealing, Exeter, Margate,
Plymouth, Portsmouth, Sheffield, Southampton,
Southport, Sunderland, and York. For Regulations,
apply to the SECRETARY, College of Preceptors,
Bloomsbury Square, London, W.C.1.

For announcements of

UNIVERSITY CORRESPONDENCE COLLEGE

See pages 270 and 297.

University Examination Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6319.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1918 - 1893

Candidates in various Groups: 205 First
Class; 368 Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-18 43

(Only two failures.)

Oxford Higher Local, 1903-18 - 178

Candidates in various Sections.

M.D. (Lond.), 1901-18 - 232

(Including 6 Gold Medallists
during 1913-1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.

Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1918-19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION. A SUMMER SCHOOL

will be held from July 31—August 16 at Westfield College, University of London. One Course will consist of lectures, accounts of experiments, and discussions bearing on "Reality and Life in Education." Other Courses will be on Handwork—for guidance in preparation for the new Diploma of Handwork of the National Froebel Union—Gardening, Eurhythmics, Music (including Sight Singing, Ear Training, &c.).

This year a few grants towards expenses will be given by the Council of the Froebel Society. Applications should be made before June 1st.

Further particulars may be obtained from Miss James, 10 Park Mansions, Battersea Park, S.W. 11.

Other Summer School announcements will be found on pages 263, 269, and 277.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FRES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training Recognized for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—
Miss C. P. TREMAIN, B.A.

UNIVERSITY of ST. ANDREWS. UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DONSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 65 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fifeshire.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL.

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

DEAN FOREST.

SEVERN WYE VALLEYS;
A beautiful Holiday Home (600 feet up); spacious house, grounds; Bath, Billiards, Tennis, Motors, magnificent Scenery. Boarders 42/- to 50/-. Photos, Prospectus.—Littledean House, Littledean, Glos.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Comfortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.—The Misses WATSON.

KESWICK.

ENGLISH LAKES.—Guests received in country private house. Grounds. Near church, post, telegraph and telephone office. Climbing, boating, fishing. Lovely scenery. Moderate terms.—Miss SCOTT, Borrowdale Gates, Keswick, Cumberland.

LEIGH-ON-SEA.

THREE Paying Guests received. Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—Mrs. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

30.31. &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB,
9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL,
21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegs.: "Baggage, London." Phone: Gerrard 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite
British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

ST. LEONARDS-ON-SEA.

WILTON HOUSE HOTEL.—Unique Position. Sea front, Golf, Tennis, Croquet, Bowls, Fishing. Municipal Orchestra. Good Cuisine. Over 40 bedrooms. From 8s. 6d. day. Phone 159 Hastings—PRINCIPAL.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home; good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

FROEBEL SOCIETY and JUNIOR SCHOOLS ASSOCIATION.

**SOHOLASTIO AGENCY for
JUNIOR FORM and KINDERGARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

THE BERGMAN ÖSTERBERG PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.

Trustees:

Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.

Principal:

Miss H. C. GREENE.

Vice-Principal:

Miss A. WIKNER (Royal Cent. Inst. of Gymnastics, Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course extends over two years. It includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 15 acres, in a beautiful and healthy locality close to Dartford Heath.

The demand for mistresses of physical training holding the Diploma of this College is at present far in excess of the supply.

The course begins in **October**. Further particulars may be obtained on application to the **SECRETARY**.

BERGMAN ÖSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

Ling's Swedish System.

Aim of the Union: To advance the cause of Physical Education on scientific lines.

In placing members of this Union as Teachers in Schools, careful and discriminating choice is exercised, and the exact requirements of each School specially considered.—**PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.**

INTERNATIONAL GUILD. 6 RUE DE LA SORBONNE, PARIS.

CLASSES in the French Language,
Literature, History, and Phonetics.

Students are prepared for the Certificat d'Etudes Française de la Sorbonne, and the Diplôme d'Etudes Françaises of the Guild.

For further information apply to the **SECRETARY**.

CHANNING HOUSE HIGH SCHOOL and BOARDING SCHOOL FOR GIRLS,

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours, London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the **HEAD MISTRESS**.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of all grades should apply to—**THE EDUCATION SECRETARY, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.4.**

University Tutorial College. LONDON.

(Incorporated with University Correspondence College.)

LONDON MATRICULATION.

A Morning Class works continuously throughout the Summer with the exception of July 12th to July 28th. This Course includes a systematic Revision Class working both Morning and Afternoon, during the three weeks immediately preceding the September Examination.

SEPTEMBER MATRICULATION.
During the Period of the War over 1,000 Students of U.T.C. have passed in different Public Examinations.

Practical Classes in Science are held during the Summer Vacation, commencing Tuesday, August 5th. Definite Courses of Laboratory Work are arranged for students taking the B.Sc. and B.A. Examinations next October.

AUGUST VAC. CLASSES.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from

**THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN, W.C.**



THE ASSOCIATED BOARD OF THE ROYAL ACADEMY OF MUSIC AND THE ROYAL COLLEGE OF MUSIC FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

LOCAL CENTRE EXAMINATIONS (Syllabus A).
Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the November-December Examinations close Wednesday, October 15th, 1919.

SCHOOL EXAMINATIONS (Syllabus B).
Held throughout the British Isles three times a year, viz., June-July, October-November, and March-April. Entries for the June-July Examinations close for Great Britain, May 7th (or with extra fee, May 15th); Ireland (with extra fee) May 8th, 1919. The Board offers annually SIX EXHIBITIONS, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.
Syllabuses A and B, Entry Forms, and any further information will be sent post free on application to—

JAMES MUIR, Secretary,
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA, LONDON."

SPECIAL CORRESPONDENCE COURSES:

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. } 163 Correspondence Students successful.
Exams., 1910-19

Mr. E. H. BIBBY, Mus. Bacc., L.R.A.M., A.R.C.M.,
c/o Forsyth Bros., Deangate, Manchester.

CENTRAL SCHOOL OF SPEECH TRAINING AND DRAMATIC ART.

President: **SIR FRANK BENSON,**
Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.,**
Royal Albert Hall, Kensington Gore S.W.7.

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

SUMMER TERM BEGINS MAY 3rd.

SUMMER SCHOOL OF SPEECH TRAINING, AUGUST 1-16, STRATFORD - ON - AVON SUMMER FESTIVAL

ASSOCIATION OF TEACHERS OF SPEECH TRAINING.

Head Quarters: **ROYAL ALBERT HALL,
KENSINGTON GORE.**

President:

Miss **ELSIE FOGERTY, L.R.A.M.,**
29 Queensberry Place, South Kensington, S.W.7.

Secretary:

Miss **WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.**

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply — Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 261, 263, 265, 266; [Halls of Residence] 262; [Physical Training] 263, 266, 268; [Summer Schools] 262, 263, 269, 277; [Scholarships] 304, 305; 266, 270, 277, 279, 283, 297, 302, 330.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN,
UNIVERSITY OF LONDON),

CAMPDEN HILL ROAD, W.8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

ST. GEORGE'S TRAINING COLLEGE (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh)

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

THE TRAINING COLLEGE, DARLINGTON, Nursery Training School, Hampstead, N.W.3,

have arranged a combined Training Course for Superintendents of Nursery Schools. The Course will be for One or Two Years according to entrance qualifications.

For particulars, apply to the PRINCIPAL, Training College, Darlington, or to the WARDEN, Nursery Training School, Wellgarth Road, Hampstead, N.W.3.

GUILD OF EDUCATION AS NATIONAL SERVICE.

THE HALSEY TRAINING COLLEGE.

Recognized by the Board of Education.

PREPARATION for work in DAY CONTINUATION SCHOOLS for Factory and Town Workers at Canning Town, E., where there are Voluntary Continuation Classes at the Hostel, and an "Education and Recreation Centre" for Unemployed Factory Girls.

Preparation for work in similar schools for Rural and Farm Workers at Kington, near Harrow Hostel, Clubs, and Instructional Market Garden Farm.

Board of Education Grants available for Graduates and for Certificated Teachers (men and women). Ministry of Labour Grants for Training given to demobilized men.

Summer Term begins May 1st.

Apply—Org. Sec., Guild of Ed. as Nat. Service, 11 Tavistock Square, W.C.1.

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION. In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W.6.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

PRINCIPAL: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARTH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W.4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.
2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.
3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.
4. TRAINING DEPARTMENT for Teachers of Housecraft. Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

Institut Français du Royaume Uni

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.1.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

SPEECH TRAINING SCHOOL, NON-RESIDENTIAL

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

MEDICAL PRELIMINARY EXAMINATIONS

THE

University Examination Postal Institution

provides courses in preparation for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes.

Oral lessons are also given.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WYKMOUTH, M.A., 17 Red Lion Square, London, W.C.1.

TRAINING COLLEGES and Technical Schools.

See also pages 261, 263, 264, 266; [Halls of Residence] 262; [Physical Training] 263, 266, 268; [Summer Schools] 262, 263, 269, 277; [Scholarships] 304, 305, 266, 270, 277, 279, 283, 297, 302, 330.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W.2.

TRAINING COLLEGE

(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANE HURBACK, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes; Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union.

Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools.

Diploma Students attend University Lectures.

Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

THE UNIVERSITY OF SHEFFIELD.

COURSES are held and DEGREES

(Bachelor, Master, and Doctor) are awarded in the following Faculties:—ARTS (including architecture), PURE SCIENCE, MEDICINE, LAW, ENGINEERING (including Mining), and METALLURGY.

The Degree of Doctor of Philosophy (Ph.D.), is awarded in the Faculties of Arts, Pure Science, Law, Engineering, and Metallurgy. This degree is awarded on post-graduate study, and graduates of the University of Sheffield and other approved Universities are eligible.

DIPLOMAS are awarded in Modern Language Teaching, Education, Architecture, Domestic Science, Mining, Glass Technology.

ASSOCIATESHIPS are awarded in Engineering, Iron and Steel Metallurgy, and Non-Ferrous Metallurgy.

The University Hall for Women, Oakholme, Clarkehouse Road, stands in six acres of grounds, and affords all the advantages of collegiate life.

Entrance and Post-Graduate Scholarships are awarded each year.

W. M. GIBBONS, Registrar.

BATTERSEA POLYTECHNIC, LONDON, S.W.11.

DOMESTIC SCIENCE TRAINING DEPARTMENT.

Recognized by the Board of Education for the Training of Teachers.

Head of Department: Miss MARY E. MARSDEN.

FULL Courses of Training for Teachers of Cookery, Laundrywork, Housewifery, including Infant Care, Science applied to Housecraft, Needlework, Dressmaking, and Millinery.

Training for Housekeepers and School Matrons. Hostels for Students.

For particulars of Curricula, Fees, Scholarships, and Hostels, apply to the SECRETARY.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Teachers' Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council: The Rev. W. TEMPLE, D.Lit. Principal: Miss B. S. PHILLIPPS, O.B.E., M.A.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident from £95 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination held annually in May.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W.3.

Northern Counties Training School of Cookery and Household Economy,

NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.

School year began September.

BIRKBECK COLLEGE

BREAMS BUILDINGS, CHANCERY LANE, E.C.4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)

FOR DEGREES IN

ARTS, SCIENCE, ECONOMICS, LAWS,
under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.
GEOGRAPHY DIPLOMA AND MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10. 10s.; Science, £17. 10s.
Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

BEDFORD KINDERGARTEN CO., LIMITED, AND TRAINING COLLEGE, 14 The Crescent.

Council:

THE BISHOP OF BIRMINGHAM;
C. W. KAYE, Esq., M.A., late Head Master Bedford Modern School.

Principal: Miss AMY WAMSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence for Students—Shenstone Lodge, Osborne House, and Magdala House.

Branch School—Froebel House, Golding Avenue.

For terms and particulars apply to—
The Secretary, ALEXANDER MORRISON, 26 NH St., Bedford.

WHITELANDS TRAINING

COLLEGE FOR WOMEN TEACHERS, CHELSEA, S.W.3.—A special ONE YEAR COURSE OF TRAINING, recognized by the Board of Education, for those desiring to teach in CONTINUATION SCHOOLS will be held at the above College from September, 1919. For particulars, entrance qualifications, fees, course of training, &c., apply to the SECRETARY.

TRAINING COLLEGE, DARLINGTON.

A One Year Course of Training is arranged for those wishing to gain experience in teaching older children. Teaching practice is provided in "Higher Tops," Central Schools, and in Continuation Classes.

Trained Certificated Teachers, or Graduates, or Candidates who have passed Higher Local Examinations are eligible.

Particulars as to fees, grants, and courses of study, on application to the Principal, Miss F. HAWTREY.

GOLDSMITHS' COLLEGE, TRAINING DEPARTMENT.

(Under the control of the University of London.)

THERE are Vacancies for Men, and

for Women able to live at home during their training, for admission in September, 1919 to (1) the Two Year Course; (2) the One Year Course for Graduates and Certificated Teachers; (3) the Course lasting three years for Students preparing for the B.A. (Internal) Degree of the University of London; (4) Specialized Third Year Courses for persons who have already been trained for two years. Applications for the Two Year Course from Discharged Soldiers of good general education will be considered. Full particulars and Application Forms from the ACTING WARDEN, Goldsmiths' College, New Cross, S.E.14.

ALDERSEY HALL, HANDLEY, CHESHIRE.

SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

SCHOOL OF GARDENING,

CLAPHAM, near WORTHING.

Principals { Miss C. CRACKNELL, late of Swanley Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S.

A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams: "Eurhythm, London." Telephone: Museum 2294
In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,

Intermediate Arts and B.A.,

Intermediate Science and
B.Sc. (Theoretical Subjects only).

L.L.A. (St. Andrews),

College of Preceptors' Dip-
lomas.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

Training Colleges.

CONTINUED FROM PAGE 265.

**MRS. CURWEN'S PIANO-
FORTE METHOD.
EAR TRAINING AND SIGHT SINGING FROM
SOL-FA AND STAFF.**

New TRAINING CLASSES for MUSIC TEACHERS, held weekly, will begin early in May at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

THE ENGLISH FOLK DANCE SOCIETY.

CLASSES in FOLK DANCING will be held at REEVE HALL, 76 East Street (near Baker Street Station), during the Summer term from May 5th to July 12th, on Monday and Wednesday evenings and Saturday mornings. Certificates in Folk Dancing are granted by the Society.

For further particulars apply to the SECRETARY, 73 Avenue Chambers, Vernon Place, Bloomsbury, London, W.C.1.

MISS LAURA SMITHSON,
L.R.A.M.: Elocution A., Summer School held at Stratford-on-Avon during Festival. Recommended by Sir Frank Benson, Miss Lilian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W. 8.

ELOCUTION, &c.—Miss ROSE PATRY, 3 LOWER SEYMOUR STREET, W.1.—Teachers trained. Private Lessons in Public Speaking, Reciting, &c. Pupils prepared for Elocution Exams. Special Method for Treating Stammering. Schools visited by Miss Patry and her Assistant. "Peace Pageant" by Miss Patry suitable for Schools. Price 1/3.

Physical Training.

CONTINUED FROM PAGE 265.

**PORTLAND ROAD GYM-
NASIUM, London, W.**—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHE, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, 32 Highercroft Gardens, Golder's Green, N.W. 4.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises
and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S.,
D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembroke Villas, London, W.11. Tel.: PARK 3948.

SCHOOL
WORLD

WANTED.—Parts
for MARCH, 1904 (Vol. 6).
MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C. 4.

GEORGE GILL & SONS, Ltd.

THE OXFORD AND CAMBRIDGE EDITION.

Gospel of St. Mark. By the Rev. F. MARSHALL, M.A. Maps of Palestine, Sea of Galilee, Galilee, Jerusalem, Environs of Jerusalem, Temple; Special Introduction.

Acts of the Apostles. Part I, Chapters i-xvi. By the Rev. F. MARSHALL, M.A. Specially prepared for Students taking the first part of the Book. Complete for the purpose, with Geographical and Biographical Notes, Maps, and Introduction.

As You Like It. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo.

Henry V. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Maps and Genealogical Tables. 256 pp., Cr. 8vo.

Richard II. By STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. With Illustrations and Genealogical Tables. 232 pp., Cr. 8vo.

— READERS. —

Gods and Heroes; or, Greek Fairy Tales. By P. C. SANDS, M.A., late Fellow of St. John's College, Cambridge. This is a reader intended for use in the Lower Forms of Schools. It gives a splendid initiation into the stories of ancient Greek mythology. With numerous illustrations. Cr. 8vo, 128 pp., Cloth, 1s. 3d.

La Guerre, A.D. 1914. With notes on idiomatic phrases, by TAYLOR DYSON, M.A. A selection of leading articles on the Great War taken from the French and Belgian newspapers and arranged as a book for French Unprepared Translation for Middle and Upper Forms. Cr. 8vo, 128 pp., 1s. 3d.

La Guerre, Vol. II. A sequel to La Guerre, A.D. 1914. By TAYLOR DYSON, M.A. 1s. 3d.

ATLAS AND NOTES ON EUROPEAN HISTORY.

From the time of DIOCLETIAN to the outbreak of the GREAT WAR, 1914.

By HARTLEY FUDGE, M.A. 1s. 6d.

"The book consists of 36 Coloured Maps, not too full of names, and 104 pages of Notes, so called, which, however, practically form a précis of the history of Europe, from Diocletian to the Congress of Vienna. The author then carries forward history to the outbreak of the present War, by dealing separately, but still chronologically, and ab initio, with the history of Poland, France and Alsace-Lorraine, Prussia and German unity, the Dual Monarchy, Ottoman Empire, the Near East, and the like. The whole forms a small reference book useful for History teaching."

Journal of the A.M.A., Dec., 1918.

"In the body of the book there are more than thirty maps which, for the clearness of their lettering, we have very seldom seen excelled. Taken as a series they enable us to trace without confusion, through the centuries, the various stages in the political development of Europe."

Irish School Weekly.

ARITHMETIC BY DECIMALS.

By E. PULLING, B.A.

A simple, concise School Course, 9d. With Answers, 1s.

COMPLETE LIST OF THE OXFORD AND CAMBRIDGE EDITION, AND EDUCATIONAL CATALOGUES, POST FREE.

London: GEORGE GILL & SONS, Ltd., 13 Warwick Lane, E.C.4.

SCHOLASTIC APPOINTMENTS

University Men and Women seeking scholastic appointments should apply to

Truman & Knightley
—SCHOLASTIC AGENTS—LTD—

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions pleasant, and the holidays are long. Salaries range from £50 to £100 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student and Junior Mistresses at salaries of from £30 to £50 per annum with board and residence.

There is a separate department for
LADY MATRONS and HOUSEKEEPERS
for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASIAC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GOSWELL, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION FOR WOMEN. (SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Applications for admission in September next should be made now to the HEAD MISTRESS (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE, WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS' GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC,
REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

See advertisement on page 263.



THE INCORPORATED BRITISH COLLEGE of PHYSICAL EDUCATION.

Until further notice all inquiries should be addressed to—

Mr. FRANK H. GELLING,
Hon. Secretary,41a Lyric Road, Barnes, London,
S.W. 13.

PHYSICAL TRAINING COLLEGE,
QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W. 7.

EDUCATED GIRLS TRAINED as TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PHYSICAL TRAINING COLLEGE (Ling's Swedish System.)

BATTERSEA POLYTECHNIC, S.W. 11.

THREE YEARS' COURSE of Training for Teachers of Swedish, Educational, and Remedial Gymnastics. Games, Dancing, &c. Diplomas granted. FEE—£75 for the complete Course.

ONE YEAR COURSE of Training in Swedish, Remedial, Exercise, and Massage. Excellent opportunities for Clinic and Hospital Work. Students are prepared for the Examinations of the I.S.T.M. FEES from £25, according to subjects taken.

For particulars of Curricula, Scholarships, Hostels, &c., apply to the SECRETARY.

ANSTEY PHYSICAL TRAINING COLLEGE, ERDINGTON,

offers well-educated women complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

Residential Fees: £100 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

SUMMER SCHOOLS, 1919.

See also pages 262, 263, and 277.

FRENCH and SPANISH Holiday Courses. OXFORD.

THE TEACHERS' GUILD proposes to hold Courses as above
from August 13th to 29th, 1919.

Professor RUDLER, The University of London,
Professor FLEURE, University of Wales,
Professor STUDER, Taylorian Institute, Oxford,
WILL GIVE LECTURES.

Señor BARRAGAN in charge of Spanish; Miss ALLISON in charge of French.

Particulars and Entrance Forms from the GENERAL SECRETARY,
9 Brunswick Square, W.C.1.

UNIVERSITY OF GRENOBLE (FRANCE).

Holiday Classes,

July 1 to October 31.

In 1914 there were **657** Foreign
Students.

COMPLETE Practice in Reading
and Speaking (groups of 6), Lectures
on French Language and Literature,
Practice in Translation and French Com-
position (groups of 25).

Railway fares half price. Family
boarding-houses 200-400 frs. a month.

Excursions every week in the mountains
of Dauphiné, to the towns in the valley of
the Rhone, Winter Sports, and Mountain-
climbing.

More detailed information sent free on
receipt of demand addressed to the

Comité de Patronage des
Étudiants Étrangers.

GLAMORGAN COUNTY COUNCIL.

SUMMER SCHOOL AT BARRY, 1919.
Director—Mr. A. SUTCLIFFE.

The FOURTEENTH SUMMER SCHOOL
for Educational Handwork, Art, Welsh, Nature
Study, Hygiene and Physical Training for Men and
Women, Plain Needlework, Art Needlework, Dress-
making, Practical Geography, Gardening, Book-
binding, &c., will be held at the County Schools,
Barry, from July 28th to August 23rd, 1919.

A Camp for Women will be established in the
grounds of the Training College, Barry, which is
adjacent to the County Schools. This will enable a
limited number of students to spend a month under
canvass under pleasant and economical conditions.

Prospectus, together with application forms, may
be obtained from the Chief Education Officer,
County Hall, Cardiff.

Educational Handwork Association.

President: The Right Hon. A. H. D. ACLAND.
Secretary: Mr. J. SPITTLE, 16 Cambridge Rd.,
Huddersfield.

Annual Subscription, 2/6. Journal post free to
Members.

SUMMER SCHOOLS.

HANDWORK at { Scarborough.
Falmouth.
St. Anne's-on-Sea.

PHYSICAL TRAINING
at Scarborough.

From **JULY 28th to AUG. 23rd, 1919.**

Director ... Mr. J. TIPPING.
Superintendent of Physical
Training ... Mr. H. A. COLE.

Preparation for all Exams.

Hostel accommodation.

Prospectuses and full information may be ob-
tained as follows:—

Scarborough School.—Mr. J. TIPPING, 35
Lower Rushton Road, Bradford.

Falmouth School.—Mr. C. SEAMAN, 38 Vic-
toria Park Avenue, Cardiff.

St. Anne's-on-Sea School.—Professor
J. A. GREEN, M.A., The University, Sheffield.

SUMMER SCHOOL OF ITALIAN.

Girton College and Modern Language Association.

GIRTON COLLEGE, July 28-Aug. 16.
Open to Men and Women.

THE Programme will include:—

Classes in Italian, elementary and advanced.
Phonetic Demonstration and Practice.
Lectures in Italian and English on History,
Literature, Art, Music, Philosophy and
Present-Day Developments of Italy.

Inclusive charge for board, lodging, and tuition,
£8. 8s.

Applications should be sent to Miss K. T. BUTLER,
Girton College, Cambridge, by June 1st.
A detailed programme will be ready shortly.

DALCROZE EURHYTHMICS.

The **SUMMER SCHOOL** will be held at
OXFORD,
August 4th to 16th inclusive.

Prospectus on application to THE DALCROZE
SCHOOL OF EURHYTHMICS, Limited, 23 Store Street,
London, W.C.1.

WOODBROOKE HISTORY SCHOOL.

Revised Dates:

Sat. August 2—Tues. August 12.

After a lapse of two years the Summer
History School arranged by F. S. MARVIN
(Staff Inspector, Board of Education) is to
be revived at Woodbrooke, nr. Birmingham.

This year's subject is

**"RECENT DEVELOPMENTS
OF EUROPEAN THOUGHT."**

The School will assemble on Saturday,
August 2, and continue for 10 days.

Students will be housed in the three
adjoining Settlements of Woodbrooke,
Kingsmead, and West Hill. Separate
bedrooms. The meals will be taken in
common and ample accommodation is made
for Lawn Tennis each afternoon and for
Music each evening.

The charge, an *entirely inclusive* one,
will be 2½ guineas. Booking fee of 5s.
should be sent at once, as the School is
limited to 120 students.

All applications should be made to—

EDWIN GILBERT,
54 Woodbrooke Road,
Bournville.

The **Lecturers** will be: Prof. BRAGG
(Imperial College of Science), A. CLUTTON
BROCK, C. DELISLE BURNS, Dr. A. J.
CARLYLE (Oxford), G. P. GOOCH, J. W.
HEADLAM-MORLEY, Prof. C. H. HERFORD
(Manchester University), Baron FRIEDRICH
VON HÜGEL, F. S. MARVIN, Prof. SHER-
INGTON (Oxford), Prof. J. A. SMITH
(Oxford), Miss STAWELL (Newnham Col-
lege, Cambridge), Prof. A. E. TAYLOR
(St. Andrews), ERNEST WALKER (Oxford),
and A. E. ZIMMERN.

UPLANDS SUMMER MEETING.

July 31—August 16.

AT THE COUNTRY HOUSE,
WERNETH LOW, CHESHIRE.

Lectures and discussions dealing with "Current
Ideas for the Reforming of School Life" (including
the results of an inquiry into Open Air School work).

Practical Courses in Gardening and Farm Work,
Craftsmanship, Play Production, Regional Survey,
Eurhythmics.

Prof. J. J. FINDLAY (Manchester), Prof. J.
SHELLEY (Southampton), H. CALDWELL COOK
(Perse School), J. H. SIMPSON (Rugby), Miss E. C.
PUGH, and others.

Prospectus and full particulars from the SECRE-
TARY, 21 Broadlands Road, London, N. 6.

THE ENGLISH FOLK DANCE SOCIETY.

The Summer School of
FOLK SONG and DANCE

will be held at STRATFORD-on-AVON from
July 26th to August 23rd.

For further particulars apply to—

The SECRETARY,
73 Avenue Chambers, Vernon Place,
Bloomsbury, London, W.C.1.

University Correspondence College.

(FOUNDED IN 1887.)

Principal :

WILLIAM BRIGGS, LL.D., D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.

RESIDENT TUTORS ON THE REGULAR STAFF.

- | | |
|---|--|
| <p>C. W. C. BARLOW, M.A. Lond. and Camb., B.Sc. Lond., First Class Honours in Physics at B.Sc., Gold Medallist in Mathematics at M.A. Lond., First in First Class Mathematical Honours at B.A., 6th Wrangler in the Mathematical Tripos, First Class, First Div., in Part II; Joint Author of <i>Elementary Mathematical Astronomy</i>.</p> <p>H. W. BAUSOR, M.A. Camb., First Class in the Natural Sciences Tripos, First Class Honours in Chemistry at Inter. Science, London; Joint Author of <i>Chemistry for Matriculation</i>.</p> <p>A. S. BENSTEAD, B.A. Lond. and Camb., First Class Honours in English and French at B.A. London.</p> <p>A. G. CRACKNELL, B.Sc. Lond., M.A. Camb., F.C.P., Science Director, 6th Wrangler in the Mathematical Tripos, Cambridge, First in Honours at London Matriculation; Author of <i>School Algebra, Junior Geometry, Practical Mathematics</i>.</p> <p>M. B. FINCH, M.A. Lond., First Class Honours in English and French at B.A., Distinction in French at M.A.; Joint Editor of <i>Victor Hugo's Hernani</i>.</p> <p>S. E. GOGGIN, M.A. Lond., Honourman in English at Inter. Arts and B.A.; Editor of <i>Shakespeare's Merchant of Venice, Hamlet, King Lear, Macbeth, Johnson's Life of Milton, Milton's Early Poems</i>.</p> <p>B. J. HAYES, M.A. Lond. and Camb., Vice-Principal, First in First Class Honours in Classics at Inter. Arts and B.A., Gold Medallist at M.A. Lond., First Class Honours in Classics, Cambridge; Author of <i>The Tutorial Latin Grammar, Matriculation Latin Course, Matriculation Latin Construing Book</i>.</p> <p>H. W. HILL, B.Sc. Lond., Honourman in Physics and Chemistry; qualified for the University Exhibition in Chemistry at Inter. Science.</p> | <p>W. H. HILL, M.A. Lond. (English and French); Editor of <i>Spenser's Faerie Queene, Book I</i>.</p> <p>G. E. HOLLINGWORTH, M.A. Lond. (English), First Class Honours in English at B.A.</p> <p>G. F. PERROTT, M.A. Camb., 27th Wrangler.</p> <p>F. G. PLAISTOWE, M.A. Lond. and Camb., First Class Honourman in Classical Tripos, Parts I and II, late Fellow of Queen's College, Cambridge, First in First Class Latin Honours at Inter. Arts. Qualified for the University Scholarship in Classics at B.A. Lond., Gold Medallist at M.A.; Editor of <i>Horace's Epistles</i>.</p> <p>A. SAXELBYE, B.A. Lond., First Class Honours in Classics at B.A.</p> <p>J. F. STOUT, B.A. Camb., First Class Honourman in Classics; Editor of <i>Cicero pro S. Roscio, Tacitus' Germania</i>.</p> <p>E. A. WEBBER, M.A. Lond., Second on the M.A. List in Classics.</p> <p>A. R. WEEKES, M.A. Lond. (English), First Class Honours in English and French at B.A.; Editor of <i>Shakespeare's Tempest, Cymbeline, and As You Like It, Shelley's Adonais, Keats's Odes</i>.</p> <p>C. E. WRIGHT, B.Sc. Lond., First Class Honours in Mathematics at B.Sc., Drew Gold Medallist.</p> <p>A. J. WYATT, M.A. Lond. and Camb., First of his year in Branch IV (English and French), Teachers' Diploma, First with Distinction in English in Modern Languages Tripos, Cambridge; Author of <i>The Tutorial History of English Literature</i>; Editor of <i>Beowulf, Chaucer's Prologue, and Knight's Tale</i>.</p> <p>A. M. YOUNG, M.A. Lond. (German), First Class Honours in English and German at B.A.</p> |
|---|--|

SPECIAL ADVANTAGES

offered by

University Correspondence College.

Tutors in Residence,

who correct the Student's answers *promptly*, and return them while the difficulties are still fresh in his mind.

Tutors giving their Whole Time

to the work of the College.

Specialists for each Subject,

the majority of whom are First Class Honourmen.

Full Notes to each Lesson

in *all* Subjects.

Printed or Typewritten Lesson Papers.

Detailed Schemes of Science Practical Work

for the Inter. Science, B.Sc., Inter. Arts and B.A. Pass Examinations.

Prospectus, giving particulars of courses and fees, post free, on application to the Secretary,

No. 24 BURLINGTON HOUSE, CAMBRIDGE.

CONTENTS

	PAGE
OCCASIONAL NOTES	271
THE SUPERANNUATION ACT... ..	274
PERSONAL PARAGRAPHS	274
FRANCIS STORR	276
TOPICS AND EVENTS	278
FOREIGN AND DOMINION NOTES	280
THE TEACHERS' GUILD OF GREAT BRITAIN AND IRELAND	286
EDUCATION IN THE PREPARATORY SCHOOL. BY V. SEYMOUR BRYANT	289
INTERMEDIATE EDUCATION IN IRELAND. BY J. THOMPSON	291
CORRESPONDENCE	292
The Education of the Imagination; A Holiday Course in Spain; The Secondary, Technical, and University Teachers' Insurance Society.	
UNIVERSITIES AND SCHOOLS	293
BOOKS OF THE MONTH	298
PRIZE COMPETITIONS	300
REVIEWS AND MINOR NOTICES	319
PRIMARY SCHOOL NOTES	328

OCCASIONAL NOTES.

THE Board's Memorandum on the Staffing of Continuation Schools gives expression to unusually graceful sentiments, which are as safe as they are admirable. But what ironic spirit prompted the writer to quote Blake?—

Are we to have
Continuation
Schools?

I will not cease from mental fight,
Nor shall my sword sleep in my hand,
Till we have built Jerusalem
In England's green and pleasant land.

Truly, without passion nothing is accomplished; the contrast between the burning zeal of the poet and the pusillanimity of the Board is too painful to be missed. This is the first official utterance of the Board upon the subject of the continuation schools. Do they offer any sufficient extenuation for their present inaction, or any constructive proposals commensurate with the magnitude of the problem? The answer to both questions must, we fear, be in "the negative." The lay press have made much of the statement that the complete system will in three years' time require the services of 32,000 teachers, as no doubt they were intended to do. Though formally correct, the statement is in substance disingenuous. For Parliament, at the instance of the Board, has postponed the third year for a septennium, and has left the way open for the gradual introduction of the system by areas, or even by classes. The Board are still without a policy. To propose, as the Memorandum does, to leave the Local Authorities to experiment on a voluntary basis—throwing the reins on the necks of the horses, and not always willing horses at that—is not to have a policy. The more difficult the road the greater the need for skilful steering. There are areas, as there are industries, in which the conditions are more favourable than in the average. What is there to prevent the Board from selecting those

areas in consultation with the Local Authorities, and those industries after consultation with the employers' federations and the workmen's trade unions, and announcing the appointed day six months—or, if necessary, twelve months—in advance? Acts of Parliament notwithstanding, the prospects of the schools and of the children are prejudiced by every day's delay. It would be folly to minimize the task before the Board and the Authorities, but from the comfortable vantage-point of an office-chair difficulties are apt to "look bigger than what they be," like the lawyer's ducks in the Cornish proverb.

IN connexion with the question of school medical inspection and the Ministry of Health Bill, it should not be forgotten that, in 1908, when the functions of school medical officers were defined, the advisability of associating them with problems of public health were recognized. The Board of Education then pointed out that it was unnecessary to emphasize the objections to a dual jurisdiction in such matters as the sanitary control of school premises, and the notification and prevention of the spread of infectious diseases in which the duties of the medical officer of health and the school medical officer obviously overlap. And it was suggested that, if they are to be effectively carried out, the interests and activities of the school medical officer must extend over the whole environment of the child. School hygiene could not be divorced from home hygiene, and this in turn was intimately bound up with the hygienic conditions of the community. Consequently Local Authorities were requested to instruct their medical officers to supervise the new work, although its actual execution might be deputed. The clause under the new Bill, as originally drafted, authorized the transfer of all the powers of the Board of Education with respect to medical inspection and treatment to the Ministry of Health. Although objections to this provision were successfully resisted, an important addition has been admitted that may, to some extent, meet the difficulty of the situation. It is provided that for the purpose of facilitating the effective exercise of such powers arrangements may be made with the Board of Education respecting "the submission and approval of schemes" for medical inspection in schools, and the powers and duties of the Minister of Health may under such arrangements be exercised and performed by the Board on his behalf, and with his authority, under such conditions as he may think fit. It is a compromise, satisfactory as far as it goes, and its success or failure will depend upon the spirit in which it is interpreted.

A MEMBER of a Local Education Authority may well rise from the perusal of the scores of headings and sub-headings in the Board's draft memorandum of suggestions for the arrangement of schemes under the Education Act with "who is sufficient for these things?" on his lips. In an introduction to the Scheme proper each authority is to survey the geographical distribution of population and industries in its area; the existing educational institutions of all kinds are to be indicated; there are to be complete age statistics of the children and young persons for whom provision has to be made; the authority's administrative system, financial arrangements, methods of supervision, are to be described, not forgetting the necessary "stimulation" of parental

Schemes
under the
Education Act.

interest, and the dissemination of information as to the educational opportunities. In the scheme itself is to be formulated "a policy for the progressive development and organization of the educational provision of the area in relation to national as well as to local requirements." The programme is to cover ten years. The only considerable omission we have noticed amid an almost embarrassing wealth of detail is a reference to the part which private schools will have to play in not a few areas. As an *aide mémoire* the document has its uses, but we hope no authority will regard it as a plan which with a little adjustment here or there can be made to serve their turn, like those factory-made suits of clothes which are sold in America under the name of "semi-readies." Not in that way can a worthy house of education be designed and built.

THE education estimates for the year ending March 31, 1920, are of special interest; they mark the first occasion in the history of public education in this country upon which the State has entered into

The Estimates. a reasonably satisfactory financial partnership with those maintaining schools and institutions. When it was the design of authority to foster and encourage the voluntary supply of educational facilities, a system of carefully regulated grants-in-aid, although not calculated to produce a high standard of efficiency, was regarded as equitable. The real trouble began when, with the establishment of School Boards, supporters of voluntary schools found themselves in competition with those who could use the rates to supplement the Government subsidy. It was not considered necessary for primary education to be expensive. Even Matthew Arnold was convinced that the rate of cost per pupil ought not to exceed 35s. at the outside, and that it might be brought within that figure without loss of efficiency. He was genuinely alarmed by what he considered the unnecessary extravagance of School Boards; the sum of 55s. 11d., the inclusive cost of educating each child in Board schools in London, he found to be "astounding." We spend, he said, for each child more than France spends for two children, and the London School Board spends for each child more than France spends for three children.

IN the days when Matthew Arnold deplored the increasing cost of primary teaching, which he attributed to its moment of high favour and to the prosperity of the country, there were 3,154,973 children on the registers and the Government grant amounted to one million and a-half. The number of pupils has now approximately doubled, and the grants for elementary education for 1919-1920 are estimated at twenty-five millions. The increase over last year is something more than nine millions. This can only be regarded as the first instalment of the large additional investment in education to which the country is committed; we must believe that it will produce a satisfactory dividend. That it was high time for the claims of the profession of teaching to be more adequately recognized—and a very considerable proportion of the immediate increase in the Government grants will augment salaries—few will deny; and in so far as the addition to the estimates represents a more equitable distribution of the necessary burden as between rates and taxes, we have reason to be gratified. It must not be forgotten, however, that the

same individuals have to find the money, and it is only a difference of pockets! While there can be no defence for a system under which a Government department called the tune and expected a Local Authority to pay the piper, it would be no less unsatisfactory if an undue proportion of the expenditure were contributed by the central exchequer.

IN comparison with the addition in the estimates for elementary education, the provision for education other than elementary is not large. Grants for training of teachers are advanced from £422,200 to £516,800; secondary schools by only £222,090, and technical schools by £502,425. To these sums, however, must be added £365,000, the deficiency grant for higher education. The Board evidently anticipates a considerable development in the direction of Juvenile Employment centres, as the vote for technical schools includes £250,000 for that purpose. Pensions for teachers require £1,261,775, and half a million has been provided for the education of demobilized officers and men. The total of the estimates for the service of the Board of Education is £31,353,111, an increase of £12,243,406 compared with 1918-19. It is satisfactory to note the provision of a supplementary grant of £531,500 in aid of the maintenance of Universities and Colleges in the United Kingdom, and half-a-million for special grants in aid of certain Universities, Colleges, and Medical Schools.

STRIKES are in the air at present, and not for the first time the weapon of the strike has been adopted by the teaching profession. At the time of writing, the Rhondda Valley dispute is apparently being composed, whilst fresh trouble is brewing at Gosport and at Sunderland. Concerning strikes in general, we believe there is but one intelligent opinion—that they are just as deplorable as war itself, and just as avoidable if the right means were taken to avoid them. The Rhondda quarrel is being settled by the only hopeful means, and the pity is that those means did not commend themselves to both parties before brute force was even threatened. With the position of the underpaid teacher we have nothing but the completest sympathy; but on professional grounds we deeply regret a teachers' strike, not only because of its effects upon the pupils, but also because teachers, and all others who are responsible for the education of the people, should be able to see further into social and economic causes and effects than colliers and railway porters can be expected to see. We trust that the time is not far distant when such disputes will be settled by the civilized method of free and open discussion rather than by the barbarous method of the strike. Meanwhile we hope that, at any rate, teachers who are tempted to threaten a strike will first make sure that local public opinion is in their favour, so that they cannot justly be charged with selfishly holding up the rest of the community.

THE late Stephen Reynolds told us that one of his working-class friends said: "'Tisn't what you learns to school as helps 'ee, not wi' the likes o' us, so long as you can read an' write an' reckon a bit, an' speak up for yourself; 'tis experience—seeing life an' what 'tis

Education
other than
Elementary.

Teachers'
Strikes.

Grants for
Elementary
Education.

School
Attendance.

like, an' thee casn' see too much o' it too early. I tell thee, if you got to live your life wi' your nose to the grindstone, like most o' us has, the sooner you learns to put it there the better." It is to be anticipated that when the provisions further regulating school attendance, as required by the new Act, are in operation, there will be difficulty. But it is disappointing to learn that one of the first protests should come from the representative of a Trade Union Council on a Local Education Authority. He objected to a child being required to remain at school until the end of the term during which it reached the age of exemption. "The parents know perfectly well what is suitable for a child!" he said. This may be doubted, but it is quite clear that there will be general discontent unless the work in the upper divisions of elementary schools is so far modified or improved that parents are convinced that it is worth while for their children to continue their attendance.

WE welcome Mr. Henderson's appeal to the Government for a large and immediate increase in the Exchequer grants to Universities and University Colleges as an indication of the Labour Party's interest in higher education.

More State Aid for Universities.

That his letter to the *Times* of April 8 is somewhat misinformed as to the provision made in the Estimates for education of University standing does not minimize the pressing need for such further State assistance for higher education. Speaking as the Secretary of the Labour party, Mr. Henderson says: "It is neither dignified nor consistent with democratic ideals that Universities should wait, cap in hand, on the capricious generosity of private benefactors who may seek to impose their own views upon them." Such an utterance will do something to convince doubters that democracy is not indifferent to education, and should the near future find us with a Labour Government, as a section of the press insists it will, the Universities need not on that account fear any crippling of their financial resources. The Labour Party, says Mr. Henderson, stands "for a system of higher education which would free it from the financial barrier which at present excludes the vast majority of working-class children, however capable," and has insisted that "the only test of admission to a University should be intelligence and character, not class or income." The suitable test for admission to any school or college assisted by the State, it will be agreed, is one of ability to profit duly by the advantages it offers, and this test should be applied impartially.

THE Public Schools Boxing Championships, formerly in the hands of the Aldershot Authorities, have now been placed under the control of the Amateur Boxing Association. Some misunderstanding has occurred. It was thought that the Head Masters' Conference was opposed to the change, which was suggested by the Army Authorities, but the statement recently made by Dr. David, of Rugby, last year's Chairman of the Conference, has removed misapprehension. He says:—"The Head Masters' Conference has accepted the situation—namely, that the Aldershot Authorities have handed over the boxing competition to the A.B.A. I have had no protest, still less any suggestion, that the schools should not support the A.B.A. . . . I feel sure that the A.B.A. may count

on our support." This is as it should be. The public schools believe in the art of boxing as a valuable training in some of the most necessary qualities of mind and body, and there is little doubt that the boxing championships tend to raise the standard of boxing in the schools. The art is one which has always appealed strongly to the public-school boy, in common with nearly all healthy Englishmen. Pollux and the heavy-fisted veteran Entellus find warm admirers and followers in the schools. Witness the Eton Oppidan fights in "good calx" in the days of Keate, and the fame, in recent days, of the redoubtable Hopley of Harrow, who invariably knocked out his opponent in the championships in the first round. It would be no bad thing if the championships were extended to include all secondary schools. The meeting of the best boxers from all the secondary schools of the country upon a common platform of skill, endurance, and self-control would form a link between classes most valuable in these days.

THAT the Board of Education realize the difficulties which Local Education Authorities will experience when it becomes necessary to find teachers for the new continuation schools to be established under last year's Act is shown by the recent Circular 1102 to Local Education Authorities for Higher Education. A

Staffing of Continuation Schools.

complete system of continuation schools, if it were brought into existence at the present time, would, it is said, require the services of 32,000 teachers at the end of three years. Where are they to be found? The Circular admits there is no surplus of teachers available from amongst the personnel of schools of other types. Not only is this true, but it is impossible adequately to staff existing schools, and, in elementary schools throughout the country, teachers are expected to grapple with classes of as many as sixty or seventy children. Nor are there recruits enough presenting themselves for training to meet normal wastage. The outlook is far from encouraging, and, so long as teachers are driven to strike in order to secure a living wage, there is little likelihood of any improvement. The teaching profession must be made more attractive if we mean seriously to secure an efficient national system of education. "The Board do not doubt," the Circular states, "that it is the intention of Local Education Authorities, as it is their own intention, that the salaries shall be adequate." We hope the Board are not too optimistic, and that they will refrain from crying "Peace, peace, when there is no peace."

CIRCULAR 1102 has also much that is helpful to say about the broad objective of continuation schools and the subjects which may appropriately find places in their curricula. The schools, we are told, "must aim at the cultivation of physical soundness and vigour; they must train character, and exercise and develop the intellectual powers; they must make for efficiency in all activities of employment and citizenship; they must open the doors of imagination to the inheritance of the past and the potentialities of the future; in a word, they must give such a measure of liberal education as may be found practicable within the limits of time and opportunity." An excellent ideal, surely, and to reach it in the available eight hours a

Public Schools Boxing and the Amateur Boxing Association.

Aims of Continuation Schools.

week will tax to the uttermost the powers of the best teachers. Almost all educational questions, in fact, eventually come back to the need of efficient teachers. The continuation school teacher will have a difficult problem to solve. Young men and maidens may be compelled to attend schools for a certain number of hours a week, but they cannot be made to desire learning. The teachers will have nice questions of discipline to meet which will demand tact, humour, and charity, as well as an appreciation of the fact that young workers are being dealt with. Formal school lessons will be at a discount, and unless the teacher can arouse interest his labours will be in vain. The circular suggests that the services of educated social workers who have given their spare time to teaching, scout leaders, demobilized service men and industrial workers may be drawn upon, though even when this has been done to the fullest possible extent, there will still be many more teachers required, and for these we must look to the Universities to supply graduates who intend to make teaching their serious life's work. It must be a long time before efficient continuation schools can be established in all parts of the country.

THE SUPERANNUATION ACT.

THE Board of Education have issued to Local Authorities and governing bodies for distribution to the teachers, copies of forms that should be filled in and returned to the Board as soon as convenient. Form 10 Pen. particularizes the full-time teaching or other service claimed as recognized or qualifying service, and includes war service and sick leave. For teachers now in recognized service this form must be returned before October 1. Form 5 Pen. is the declaration as to health required, for the purpose of the death gratuity, from all present teachers under the age of sixty. Teachers between fifty-five and sixty (on April 1, 1919) have, in addition, to submit a certificate (Form 6 Pen.) furnished by a medical officer nominated by the Board. The names of such medical officers are given on List 11. The fee has to be met by the teacher concerned. The declaration and certificate must be signed after March 31, and before October 1. Teachers entering recognized service after April 1 will have to satisfy the Board as to physical capacity before they are entitled to any benefits under the Act. All the above forms and lists are now in the hands of the Authorities and governing bodies, and teachers who have not yet received them should ask for them at once.

Nominally the Act does not include service before eighteen or beyond sixty-five, but it is stated that the Board may consider special cases. If there is any case of special hardship arising out of the age limit, the teacher concerned should press his Authority or governing body to make special application on his behalf at the earliest moment. It should be noted that teachers coming under the Pensions Scheme are thereby withdrawn from the National Insurance Act.

At the time of writing, no fresh regulations have been made regarding the winding-up of old schemes, and some uncertainty exists as to the procedure with existing endowment policies. Forms have been issued to the Authorities and governing bodies, who are invited to state their proposals for sanction by the Treasury. In the majority of cases the school authorities favour the handing over of the policy to the teacher without any reservations. On the other hand, there is a belief that, before the Treasury consents, it may require the return of the Governors' contributions, where such have been paid out of public money—a course which will be fraught with grave injustice and hardship. In many cases, the surrender value will be so small that there will be nothing left

to represent the teacher's contribution. Secondly, since the Governors' contribution may fairly be regarded as deferred salary, the argument as to misuse of public funds is scarcely admissible. Teachers should urge the Authorities to combine in pressing strongly for the unrestricted handing over of policies.

An important addition has been made to the Statutory Rules and Orders. Paragraph VIII of Section 18 of the Act recognizes as pensionable, back service (up to ten years) in any non-profit, non-State school under certain restrictions which were given in Section 23 of the Rules. They stipulated service in England and Wales, a total pensionable service of not more than thirty years, at least ten years of some other form of recognized service, and, finally, that during the years allowed the teachers should not have been *under a pension scheme*. This last condition was bewilderingly drastic and would certainly have cut out 95 per cent. of those who came unscathed through the others. The new edition of the Rules alters the application of this condition by the addition of the words:—"Unless the Board are satisfied that the teacher has derived and will derive no benefit from the Pensions Scheme except in respect of his own contribution." Through some oversight this clause was omitted in the first edition.

PERSONAL PARAGRAPHS.

THE death of Dr. Percival, late Bishop of Hereford and formerly Head Master of Clifton College, was reported to the governing body of the College at its recent annual meeting. The Governors expressed their desire to record their deep sense of the rare fortune which gave Dr. Percival to the College as its first Head Master, and later enabled them to enjoy his services for nearly forty years as a member and as chairman of their body. They felt that the School, which had been created, established, and maintained in large measure by his force, his guidance, and his generosity, owed him a unique debt. It was also reported that Dr. Percival had left a reversionary legacy of £2,000 to the College. At the same meeting Sir Henry Newbolt, D.Lit., one of the best known of Old Cliftonians, was elected as a member of the Council, in succession to Dr. Percival.

* * *

A PORTRAIT medallion of Rupert Brooke, the Old Rugbeian who, while serving in the Royal Naval Division, died at the Isle of Lemnos, in the Aegean Sea, in April, 1915, has been unveiled by General Sir Ian Hamilton in Rugby School Chapel. The memorial is a profile portrait by Mr Thomas Harvard, and beneath appear a few lines from perhaps the most famous of Rupert Brooke's sonnets, "The Soldier," beginning with:—

If I should die, think only this of me.

The ceremony was attended by many admirers of Rupert Brooke, and Sir Ian Hamilton paid touching tribute to the youth, charm, beauty, and genius of the famous poet, and referred feelingly to the great tragedy of his death.

* * *

SIR ERNEST RUTHERFORD, F.R.S., Professor of Physics at Manchester University, has been elected Cavendish Professor of Experimental Physics at Cambridge, in succession to Sir J. J. Thomson, O.M., Master of Trinity, who has occupied the Chair since 1884. The distinguished line of occupants of the Chair began in 1871 with James Clerk Maxwell, who was followed by Lord Rayleigh, now Chancellor. Sir Ernest Rutherford was born at Nelson, New Zealand. From New Zealand he proceeded to Cambridge in 1893, where he took his degree as a research student, and was awarded the Coutts Trotter Studentship in Natural Science. In 1898 he was appointed Macdonald Professor of Physics in McGill University, and nine years later he became Langworthy Professor of Physics at Manchester. Several Universities have conferred doctors' degrees upon him, and he has been Bakerian

Lecturer at the Royal Society, Rumford Medallist, Bernard Medallist, Bressa Prizeman and Nobel Prizeman for Chemistry. His main research of late years has been in connexion with radioactive substances and their radiations.

* * *

THE REV. DR. W. T. A. BARBER, who has been Head Master of the Leys School, Cambridge, since 1898, is resigning at the end of the summer term. An old pupil of Kingswood School, Bath, and a scholar of Caius College, Cambridge, Dr. Barber was Twenty-seventh Wrangler in the Mathematical Tripos, 1880, and graduated B.A. London in 1882. The governing body of the Leys School, in accepting his resignation, expressed their deep gratitude for his long and distinguished service, and particularly for the way in which he placed the interests of the School before his personal convenience by continuing in office during the War. They also rejoiced at the honour conferred upon him by the Wesleyan Conference in electing him President for 1919-20, and begged him to accept the title of Provost of the Leys School during his presidential year.

* * *

MR. C. E. INGLIS, Fellow of King's College and University Lecturer in Mechanical Engineering, has been elected to the Chair of Mechanism and Applied Mechanics at Cambridge, rendered vacant by the death of Prof. Hopkinson. Prof. Inglis was educated at Cheltenham, and bracketed 22nd Wrangler in 1897. The following year he was head of the first class of the Mechanical Sciences Tripos, Part I. During the War Prof. Inglis invented and constructed a type of bridge extensively used by the British and American armies. He has also done considerable work in the invention of tubular observation towers and combined tubular and pontoon bridges. He was twice mentioned in dispatches and attained the rank of Major.

* * *

MR. J. R. ECCLES has been appointed Head Master of Gresham's School, Holt, in succession to the late Mr. G. W. S. Howson. Mr. Eccles, who is an old Cliftonian and late exhibitioner of King's College, Cambridge, gained First Classes in Parts I and II of the Natural Sciences Tripos in 1897-8. He has been an assistant master at Gresham's School since 1900, and for many years has held the position of second master.

* * *

MR. ALEXANDER P. McMULLEN has been appointed Adviser on Education to the Admiralty. Mr. McMullen, who is an old Rugbeian and formerly a Scholar of Merton College, Oxford, obtained a first class in Natural Science in 1898. After several years' experience at Bradfield College, he went to the Royal Naval College, Osborne, in 1904. In the following year he transferred to the Royal Naval College, Dartmouth, where he became senior science master.

* * *

MR. CHARLES FRANCIS MOTT, Assistant Secretary and temporarily Acting Director for Higher Education to the Staffordshire Education Committee, has been chosen as the new Director of Education for Cheshire. Mr. Mott was educated at Reigate Grammar School; King's College, London; and Trinity College, Cambridge.

* * *

LORD HALDANE has accepted the invitation of the Governors of Birkbeck College, London, to become President of the College in succession to the late Lord Alverstone. It is interesting to note that the recent Royal Commission on University Education in London, over which Lord Haldane presided, recommended that Birkbeck College should be the Constituent College of London University for evening and other part-time students.

* * *

THE Governors of Kingswood School, Bath, have selected Mr. H. A. Wooton for the position of Head Master *vice* the late Mr. W. P. Workman. Mr. Wooton was educated at Nottingham High School, and went to Clare College, Cambridge, as Senior Science Scholar. He obtained a First Class

in the Natural Science Tripos, Part I, 1904, and Part II (Chem.), 1905. He acted as demonstrator at the University Laboratory, Cambridge, in 1905, and as assistant lecturer at Clare College, 1905-6. Since 1906 he has been science master at Westminster School. For many years he has taken an active interest in the Assistant Masters' Association, and he was the founder of the London Wesleyan Society.

* * *

MR. F. T. HOWARD, H.M. Divisional Inspector of Schools for the London area, has been appointed by the President of the Board of Education to be Staff Inspector for Elementary Schools. Mr. Howard was formerly on the staff of University College, Cardiff, and before coming to London as Divisional Inspector he was for some ten years H.M. Inspector for Cheshire.

* * *

DR. ALINGTON, the Head Master of Eton, pays a unique tribute in verse in the *Eton College Chronicle* to Mr. H. Broadbent, who is retiring after a long record as an assistant master. From the many delightful lines the following are extracted:—

Good-bye, Mr. Broadbent! to tell you my mind,
You will not leave a wiser or kinder behind;
In learning a Porson, in morals a Cato,
As expert in the *Times* as judicious on Plato;
There is nothing too weighty and nothing too small
To escape your attention: you follow them all.

No Eton performance is ever complete
If you're not to be found in a prominent seat:
The surgeon, the preacher, the scholar, the poet
Never make a mistake but they know that you know it:
No fives-player misses an obvious stroke,
No piquet-player ventures the mildest revoke,

But we feel that your eye will unfailingly mark us,
And we shrink from the lash of our own Aristarchus.
But while as a critic you're mending our ways
There is no one so ready with generous praise;
And, although you're a man to whom flattery's hateful,
You can hardly object to be told that we're grateful.

* * *

By the death of Captain F. C. Forth, Principal of the Municipal Technical Institute, Belfast, Technical Education in Ireland will sustain a profound loss. Captain Forth was the vice-chairman of the Standing Council of the Irish Technical Association, and has presided at four annual congresses. Formerly Vice-Principal of the Municipal School of Technology, Manchester, Mr. Forth was appointed Director of Technical Instruction in Belfast in 1901. He immediately set to work to organize the technical and commercial instruction of the city, and it is due to the success of his efforts that Belfast now possesses one of the finest and best equipped technical institutions in the United Kingdom, in which are enrolled about 7,000 individual students.

ONLOOKER.

THE *Anglo-French Review*, of which the first number appeared last month, has made an excellent start, which is not surprising with such very competent editors as M. Henry D. Davray and Mr. J. Lewis May. It seeks to cover a wide field, for it embraces within its purview politics, literature, the arts, science and economics. Among the contents of the first number we would single out Mr. Gosse's judicious and scholarly estimate of Leconte de Lisle and some pleasant notes by M. Davray on George Meredith, whose works he has translated. Interesting too, is M. Malo's article on "Les Stuarts et les Corsaires Français." Mr. Gerthwohl writes enthusiastically of Foch. The poetry included is of uneven quality; some of the English verse is second-rate, and the poem by Paul Fort will be discouragingly obscure to most readers. There are some good reviews of French and English books and a bibliography of recently published books in both languages is a valuable feature. The price of the *Review*, which appears monthly, is 2s. 6d.; and the publishers are Messrs. Dent.

FRANCIS STORR.

THE death of Francis Storr, which took place on April 7 in Staffordshire, marks the end of a long and fruitful life, devoted to educational activities of various kinds.

Born in 1839, Mr. Storr had already passed his eightieth birthday, which a slightly elder contemporary, Dr. Edwin Abbott (also a schoolmaster and Cambridge man) recently celebrated in his own case. Mr. Storr, after distinguishing himself at Cambridge, went to Marlborough College, where he held an assistant mastership for a time, and from thence passed to Merchant Taylors School in 1875, soon after the late Dr. Baker became Head Master. He joined the staff of the famous London School at a critical time in its history—when it had been moved from its old and somewhat restricted quarters in Suffolk Lane, and transferred to a new site in Charterhouse Square. Here, within reconstructed buildings, but upon a site full of associations with the old Charterhouse School, and standing in a fine open space within the heart of the City, the reorganized school underwent a great expansion, and prospered greatly. Both Dr. Baker and his brilliant assistant were young men at the time, and brought to their work unflagging energy and enthusiasm. Though by tradition a classical school of the old type, Merchant Taylors was, under the new régime, provided with a well equipped modern side, as well as a classical. It fell to Storr's lot to organize this new department as "Chief Master of Modern Subjects," and in this position he remained till Dr. Baker's resignation in 1900, shortly after which Storr retired.

As chief of the Modern Side he came into close contact not only with the members of his own form (the Head Form Modern), but also with the Classical Head Form, and his influence, especially with the abler boys, was extraordinarily stimulating. The most brilliant of his pupils—among whom may be mentioned the present Regius Professor of Greek at Oxford, Mr. F. S. Marvin, and the late Mr. Pogson Smith—have frequently testified in later years to their admiration of their old teacher and their abiding gratitude for what they owed to him. Mr. Storr was perhaps a little impatient of dullness, and was not prone to suffer fools gladly; but he was always quick to detect and encourage real ability.

As a member of the Common Room he occupied a place of his own. Witty (sometimes mordantly witty), quick at repartee, epigrammatic, his conversation was always pungent and stimulating. He was an excellent speaker and raconteur, and whatever he said or wrote was marked by real distinction. His culture was broad, combining a fine classical scholarship with a wide knowledge of modern literature, English, French, and German. Those who were privileged to be in his class when he expounded "In Memoriam" or Goethe's "Faust" can testify what this meant. His school commentaries on the "Aeneid" are among the best books of the kind we know.

As Editor of *The Journal of Education*, from the direction of which he retired last year, he exercised a wide influence in the educational world. He was a champion of broad ideals in education, and worked hard to promote a wider acceptance of modern subjects, and to increase the efficiency and improve the status of the teaching profession generally. Perhaps the best exposition of his educational ideals can be found in his "Life and Remains of R. H. Quick" (1898). He took an active share in London University work, and was a whole-hearted supporter of the new Universities generally. His election (under the rule which specially allows the extension of membership to distinguished men of letters) to the Athenæum was a well deserved recognition of literary distinction. He lived to see many of his ideals well on the way to being realized; and of him, in a very real sense, we may say truly, "felix opportunitate mortis."

G. H. B.

To most of our readers Storr was first and foremost the editor of this *Journal*. He was practically its founder, for he took it over in 1878 when it was a small and struggling

quarterly, turned it next year into a sixpenny monthly, and from that date till the spring of 1918 carried it on as sole editor. During this period of forty years the size of the annual volume increased from 248 pages to 864 (the number in 1914, the last normal year), and the size of the page was made larger. The list of contributors includes the names of the majority of contemporary thinkers and leaders in education. But by no means the least valuable amongst the contributions were the Editor's own; for many years he wrote most of the editorial matter, and his choice of language and happy peculiar lightness of touch commended him to a large circle of readers. He also founded the Prize Competitions, which have been one of the features of *The Journal* for more than a quarter of a century, and he acted as Prize Editor as long as his connexion with it lasted. It is not too much to say that Storr made *The Journal of Education* not only the leading periodical of its kind in England, but one of the most eminent in the world amongst those dealing with its subject. This record of work and achievement is the more remarkable because, for twenty-seven years out of the forty, Storr was Chief Master of Modern Subjects at Merchant Taylors School, engaged, week in week out, in the ordinary work of a schoolmaster.

But *The Journal* did not exhaust Storr's activity. He was a keen educational reformer, and he took a leading part in the work of several educational societies. He was for many years a member of the Council of the Teachers' Guild and of that of the Froebel Society. He was Chairman of the Modern Language Association for some ten years, and when he resigned he received the compliment of election to the Presidential Chair (1908). For many years no figure was better known at educational conferences. His greatest interests were perhaps training, the registration of teachers, and modern languages. He was a member of the first Registration Council, and of the second, and existing, body from 1912 to 1915. The first experiments in the training of secondary school teachers—the essays, namely, of the Finsbury Training College and that of the College of Preceptors—found in him a strong supporter. His ardour for modern languages and literatures was the more notable inasmuch as he was distinguished as a classic, being a scholar of Trinity, Bell University Scholar, and sixth in the Classical Tripos of 1861. He kept up his classics to the end, and a few years ago translated Sophocles for the "Loeb Classical Library." He produced English versions also of Heine's "Reisebilder" and Lermontov's "Demon"; for, in addition to a wide knowledge of French and German literature, he had considerable acquaintance with Italian and more than a pennyworth of Russian. To extensive reading he added a fine literary taste and a singularly retentive memory, and there can be few men living so well versed at once in ancient and in modern letters, while his bright and vivid personality gave life and reality to whatever he touched.

G. F. B.

One of the most distinguished of his former pupils writes:—"He had always that touch of something big and disinterested and vividly alive. One could not think of mean or worldly things in connexion with him—only of great literature and real thought and the sort of politics that mean thought and inspiration."

CERTIFICATES IN ITALIAN, RUSSIAN, AND SPANISH.—The University of London, which has for some years past held special examinations for certificates in French and in German, has now instituted similar certificates for three other languages—namely, Italian, Russian, and Spanish. The examinations are intended primarily for teachers who are not specialists in the language, but who require a certificate testifying to their practical working knowledge of the language. They are held annually, at the end of the summer term, and particulars can be obtained on application to the University Extension Registrar, at the University of London, South Kensington, S.W.7.

TUITION BY POST.

Practical Training in

SHORTHAND,**BOOK-KEEPING AND ACCOUNTANCY,****COMMERCIAL PRACTICE, BANKING,****ADVERTISING, COMMERCIAL LAW.**

PITMAN'S POSTAL COURSES are admirably adapted for teachers who are unable to take advantage of the ordinary facilities for receiving oral instruction, but desire to qualify in commercial subjects. Each lesson is a full exposition of that part of the subject covered. One course, or any group, may be commenced at any time, and from any stage of present knowledge.

Write for details, stating the subjects in which you are interested.

Pitman's School
BUSINESS SECRETARIAL & CIVIL SERVICE TRAINING

The Leading Teachers' Training Centre in the Kingdom for Commercial Subjects.

Principal: FREDERICK HEELIS, F.R.S.A.,

169 SOUTHAMPTON ROW, LONDON, W.C.1.

Seven London Branch Schools, and at Bristol and Leeds

Institut Pédagogique International.**FRENCH COURSES AT CAEN (NORMANDY).**

The popular French Courses at Caen, the first of the kind to be established in France, are still the best and most popular.

HOLIDAY COURSES:

From July 3rd to August 30th.

Phonetics—Reading—Conversation—Study of Authors—Literature—Composition.

DIPLOMAS AND CERTIFICATES.

Examinations for the "Diplômes de l'Institut Pédagogique International."

For full information, apply to—

PROF. E. LEBONNOIS, 16 AVENUE DE CREULLY, CAEN.

ST. ANDREWS PROVINCIAL COMMITTEE FOR THE TRAINING OF TEACHERS.**Summer School for Teachers July-August, 1919,****UNIVERSITY OF ST. ANDREWS.**

VACATION CLASSES in Infants' School Practice (Montessori and Froebelian), Story Telling in its relation to the study of English, Musical Training, Games, Dances, &c., Rhythmic Movements, Backwardness in School Children, Play Centre Work, Educational Bearings of Social Philosophy, Teaching of History and Literature.

Eminent Professors and Lecturers in charge.

Teachers are invited to apply for all particulars.

JAMES MALLOCH, Director of Studies,

77 NORTH STREET, ST. ANDREWS.

SCHEME FOR TEACHERS

providing Life Assurance, Capital for purchasing Schools or Partnerships, and Income on Retirement.

THE

FRIENDS' PROVIDENT INSTITUTION

having made a special study of Educational Requirements offer an adaptable form of Policy suitable for either men or women.

FREEDOM FROM INCOME TAX

in respect of the amount paid in premiums.

For particulars send a post card, giving date of birth, to:—

THE LONDON MANAGER,**FRIENDS' PROVIDENT INSTITUTION**

17 Gracechurch St., London, E.C.3.

AUGENER'S EDITION CLASSICAL & MODERN MUSIC*Engraved and Printed in England*

LARGEST CATALOGUE OF
EDUCATIONAL MUSIC
:: IN THE EMPIRE ::

AUGENER'S SCHOOL DEPT.,
18 Great Marlborough Street, London, W.1.

THE "POSITIVE" ORGAN**IS IDEAL FOR COLLEGES AND SCHOOLS.**

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.

Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

EDUCATIONAL BOOKS PRE-WAR PRICES.**CATALOGUES FREE.**

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

TOPICS AND EVENTS.

VACATION TERM FOR BIBLICAL STUDY.—The seventeenth Vacation Term for Biblical Study will be held this year at Cambridge from August 2 to 16. The inaugural address will be given by the Bishop of Ely on "The Kingdom of God," and the following among other courses of lectures have been promised:—First week: "The Psalms," by the Rev. Canon Kennett, Regius Professor of Hebrew, Cambridge; and "The Christian Foundations of Human Society," by the Rev. Dr. Bethune-Baker, Lady Margaret Professor of Divinity, Cambridge. Second week: "The Psalms" (continued), by the Rev. Canon Kennett; and "The Gospel according to St. Matthew," by the Rev. Canon A. Williams. Other lectures have also been promised. Hebrew and Greek Testament readings will be held throughout the term. Further particulars may be obtained from the secretary, Miss E. Lawder, 25 Halifax Road, Cambridge.

VACATION COURSE FOR TEACHERS AT BINGLEY TRAINING COLLEGE.—A Vacation Course will be held at the Training College, Bingley, from August 6 to August 22 inclusive. It will be open to all on payment of the fee. The aim of the Course is to stimulate teachers, and to give them opportunities of studying new methods of teaching the various subjects rather than to give specific instruction in the subjects themselves. There will be no examination at the end of the course, but importance will be attached to serious work and regular attendance. The following courses will be included among those offered:—*General Course*—A Course on Education, Prof. John Adams; the Teaching of English Literature, Mr. Arthur Burrell; the Teaching of Music in Schools; Dr. J. E. Borland; the Teaching of Arithmetic, Miss M. Punnett; the Teaching of Organized Games, Miss E. R. Clarke; the Teaching of Religious Subjects, Miss H. M. Wodehouse; the Teaching of English Phonetics and Reading, Miss M. M. Wilson; Informal Domestic Teaching in Schools, Miss G. E. Irons; the Teaching of History (with special reference to Social History), Miss A. F. Dodd. *Special Courses*—The Teaching of Handwork, Miss J. P. Slight; the Teaching of Needlecraft, Miss M. Swanson; Special Course for Teachers in Rural Schools, Dr. O. V. Darbishire and Mr. C. W. H. Greaves. The fee charged for the course, including tuition, board and residence in the College, will be £5 10s. The syllabus, containing time tables and full particulars of the course, will be issued shortly, and can be obtained upon application to the Education Department (Secondary Branch), County Hall, Wakefield.

A HOLIDAY course in Physical Education (Ling's Swedish System) for men and women has been arranged by Mr. H. G. Junker at Silkeborg, Denmark. The course will begin on July 31 and last until September 5. The instruction will be given in English. Applications should be sent as soon as possible, to prevent disappointment, to Mr. Junker as above.

ROYAL COLONIAL INSTITUTE.—In view of the uncertainty of the overseas mails, and because of representations received from Australia that the time allowed to competitors is not sufficient, it has been decided to extend the time for sending in the essays for the Royal Colonial Institute's Competition for the current year from May 31 to July 31 from all competitors.

WALKER TRUST ESSAYS.—The Trustees of the Walker Trust (associated with the University of St. Andrews) are issuing an announcement of a group of Prizes offered for Essays on "Spiritual Regeneration as the Basis of World Reconstruction." The prizes offered include four Students' Prizes of £25 each, four Workers' Prizes of £25 each, and an Open Prize of £200. In the case of students and workers the prizes offered are allocated to four divisions—one to Great Britain and Ireland, one to other parts of the British Empire, one to the United States of America, and the fourth to other countries. Those who wish to obtain copies of the announcement of the conditions and the prizes offered should apply to the Secretary of the Walker Trust, Rothies, Markinch, Fife, Scotland. A representative selection of the essays on "Prayer," the subject of last year's essays, will be published in the autumn by Messrs. Macmillan & Co., Ltd., under the title "The Power of Prayer."

CIVICS AND EUGENICS IN RECONSTRUCTION.—The Committee of the Summer School of Civics and Eugenics have arranged to hold their second school in August. The centre selected for the meeting this year is Cambridge. The Vice-Chancellor has kindly

placed the University Arts School at the disposal of the Committee, and all lectures, seminars, the exhibition of books and surveys, the students' library, common room, &c., will be under the same roof. In addition, the lecture theatre of the Botanical School will be available. The programme will fall into two portions, the first week being devoted to a preparatory course dealing with the scientific bases of educational and social work, and the lectures of the second week dealing with special applications of civics and eugenics to the work of the teacher and social worker respectively. Advanced courses for selected students will be organized in biology, philosophy, and theory of citizenship, and practical psychology. A course in Citizenship will also be included this year. The Regional Association will organize a Survey of Cambridge during the fortnight, and a Eugenic and Civic Exhibition will be under the direction of Mr. Harold Peake. A Publishers' Exhibition and a Lending Library for students will be arranged. Hostel accommodation will be under the personal supervision of Miss Elizabeth Clark. All communications should be addressed to the Secretary, Summer School of Civics and Eugenics, 11 Lincoln's Inn Fields, London, W.C.2.

THE ASSOCIATION OF TEACHERS OF DOMESTIC SUBJECTS.—The recently published Yearbook of the Association, dealing with the work of 1918, shows that its membership has now reached 1,756, to which must be added 127 student members. The general report records an increase in membership for the year, and a development in the number of local associations. The grants to training schools of domestic subjects have, the report records, been brought up to the level of other training colleges to the extent of grants-in-aid for two years, and personal grants have been made to students of domestic subjects, so that the cost of training will be less than in the past. Domestic subjects teachers are included, too, in the benefits under the Superannuation Act. The report speaks hopefully of the future. It is proposed to raise the annual subscription, and to appoint a paid organizing secretary. Full particulars as to membership may be obtained from the Hon. Secretary, Miss K. Mildred Buck, 70 Hastings House, 10 Norfolk Street, Strand, London, W.C.2.

EDUCATION IN LONDON.—In the seventh edition of "The Organization of Education in London," recently published by Messrs. P. S. King & Son, Ltd., price 6d., Sir Robert Blair outlines simply and briefly the work which is being done by the London County Council to educate Londoners. He reminds the reader that in 1833 Parliament voted £20,000 for public education, and in the absence of an Education Department the grant was administered by the Treasury. To-day the educational budget of the London County Council alone amounts to some eight and a-half millions. The administrative staff in the Council's education service consists of about 1,150 officers, including 77 inspectors and organizers. Sir Robert Blair details the numerous departments of the Council's educational work, and it is to be hoped his description will be widely read. Writing on secondary education, he points out that since 1904 23 secondary schools have been provided by the Council, and give accommodation for 8,500 pupils. The total public secondary-school accommodation in London now is approximately 16,000 places for boys and 19,000 places for girls, or about 7.8 per 1,000 of the population.

THE ROYAL DRAWING SOCIETY.—At the Guildhall Art Gallery the Annual Exhibition of the Royal Drawing Society was held from April 5 to 24. The exhibits were gathered from all parts of the country, and there was also a collection from overseas. Boy Scouts and Girl Scouts contributed, and there were drawings done at the Front by Old Boys. There seemed to be a great deal of the more advanced work that comes from institutions where drawing is made much of. In this case there was no need to be surprised at the high standard of excellence reached. As was naturally to be expected, juveniles were to the fore, for it has always been the mission of this Society to encourage the children as much as the teachers by means of exhibitions and distinctions. Some imagination was necessary to understand the infants' work. A bent line at an angle of 45 degs. and a few scrawls, giving some idea of the tail of a cat, may be the work of a child not yet two years of age, but we confess it was necessary to have the thing explained to us. And it is rather early in life for an artist to wake up famous. The greater part of the school-children's work exhibited was by those of ability rather above the average. Some of the pictures of Armistice Day which were shown are very well drawn and quite humorous. There were one or two drawings from schools where machine-drawing is made an important subject. There were a raised contour map in wax and one in cardboard, specimens on which much time and care had been spent.

(Continued on page 280.)

SHAKESPEARE

FOR

Oxford and Cambridge Locals.

"AS YOU LIKE IT."

"TWELFTH NIGHT."

"RICHARD II."

"HENRY V."

LECTURE RECITALS

to Schools and Colleges by

Mr. ADRIAN HARLEY

The Shakespearean Reciter.

"He makes special reference to the Elizabethan Theatre, and explains the points of dramatic interest raised by the examiners in the papers set during the last few years."

"Stirs the imagination and stimulates the thoughts of the young student."

For terms and vacant dates, &c., address—

MESSRS. RELFE BROS., LTD.,

6 Charterhouse Buildings, Aldersgate St., London, E.C. 1.

JAMES GRAY LTD.

HEATING ENGINEERS,

DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone :
Western 201.

Telegrams :
Gray 201 Western London.

An Invaluable Spring Book.

NAME THIS FLOWER.

How to tell the Names of Wild Flowers by the SIMPLE WAY, without a knowledge of Botany.

From the French of GASTON BONNIER,
Professor at the Sorbonne,

Translated and Edited by

Prof. G. S. BOULGER.

With 312 COLOURED PLATES and 2,715 Black and White Illustrations.

Containing also a chapter on the Gathering, Preservation, and Uses of Plants.

Cloth 7s. 6d. net. Pocket size.

Spectator.—"Precisely what many people, who love flowers, but have not studied botany, have long wanted."

Outlook.—"We heartily commend this book to our readers."

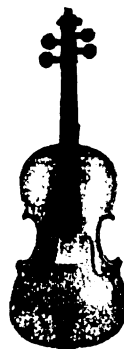
Cambridge Magazine.—"This most useful and entertaining work."

Lady.—"Of quite exceptional interest and practical value."

PROSPECTUS will be sent on application to

J. M. DENT & SONS,

10-13 Bedford Street, W.C. 2.

A MESSAGE TO
VIOLIN LOVERS.

We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your enquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

NOTICE.

Increase in price of back numbers of
"The Journal of Education."

Copies of *The Journal of Education* over twelve months old are now charged **double price**, and those more than three years old, **treble price**.

For a list of Numbers, Volumes, and Binding Cases, still in print, apply to the Publisher:

Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4.

There was a wide range of subjects, and the Royal Drawing Society clearly had many hundreds of drawings to examine.

SHAKESPEARE DAY.—The Hon. J. W. Davis, the American Ambassador, has consented to become president of the Shakespeare Association and Shakespeare Day Committee, in succession to the late Dr. W. H. Page. Dr. Page had taken a leading and active part in promoting the aims of the Shakespeare Day movement, especially in linking the schools of the United States with British Schools in a joint observance of the day. Last year the American Commissioner of Education had requested every school throughout the States to commemorate April 23 as Shakespeare Day, and in the State of New York alone some ten thousand schools responded. With the generous help of Sir Charles Wakefield, Hon. Treasurer of the Shakespeare Day Committee, it has been decided to present as a tribute to the memory of Dr. Page gifts of books of Shakespearean interest to about one thousand teachers responsible for last year's observance in British schools. These will be chosen by Prof. I. Gollancz, Chairman and founder of the movement, from the classified report prepared for Dr. Page. In view of the fact that April 23 fell this year during the school vacation, the Committee suggest that May 6 should be generally kept as Shakespeare Day in the schools. Arrangements are being made to bring the movement to the notice of American and Colonial soldiers, sailors, and others who happen to be in England, and to associate them with Shakespeare Day functions.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

Some weaknesses in Section 10 (read with Sections 3 and 52) of the English Education Act we have already indicated; this month we deal with others. Its provisions remind us of those old-time theologians who first proclaimed the doctrine of universal salvation and then proceeded to ex-

Continuation—
in England
and in the
United States.

clude from its benefits all mankind except themselves and a few personal friends. There has been rare forethought to keep as many as possible out of the continuation school; only the conscientious objector is forgotten. Exempt from the obligation to attend it is the young person who is above fourteen years of age on the appointed day, which may be delayed indefinitely. Every week hundreds of those who were to be benefited are attaining the exempting age. Again, it is notorious that far too large a number of our children are in secondary schools of a low grade—schools in no way comparable with the great secondary schools of Germany, Austria, or France. It was the solemn duty of Section 10 to exempt only those in good schools; for obligatory continuation was needed not only to provide a sanction for efficient secondary schools, but also to exterminate the inefficient. Now, how does the Section treat the "young person" taught in a school whose instruction the Local Education Authority, consisting of no harsh judges, has refused to accept as satisfactory? You might expect that it would tell him he must go to a proper secondary school, or fall under the obligation to attend a continuation school. If it did, the Local Authorities would be enabled to cleanse their own areas of inefficient schools. But no! Section 10 allows the young person or his parent to appeal from the Local Authority to the Board of Education, which from London may declare good what Yorkshire has found bad. And it is empowered to overrule the Local Authority without inspecting the questionable school; it may refuse to consider the appeal unless the school submits to inspection, but it is not bidden—as it should be sternly bidden—to do so. Pray observe that, although the Local Authority may not damn unchecked its own bad secondary schools, it is deemed competent (10, 3, ii) to judge the sufficiency of part-time instruction to be accepted as an equivalent for the attendance of a continuation school. Whilst that "part-time instruction," all undefined, is a source of anxiety to the far-sighted, Section 10 is content to have found in it another ground of exemption. For indeed, the truth is, Section 10 has not understood that continuation means a great educational and social reform—a reform demanded for and by the working classes alike in England and in the United States. The President of the (highly democratic) American Federation of Teachers lately specified among the "planks repeatedly adopted by Labour both in State and National Conventions" the universal

(Continued on page 282.)

'Phone GERRARD 2120.

Athletic Outfitters by Royal Warrant of



Telegrams—"WISDEN, WESTRAND, LONDON."

Appointment to his Majesty King George V.

JOHN WISDEN & CO., Ltd.,

23 Cranbourn Street, Leicester Square, W.C.2. (Next door to Leicester Square Tube Station.)

We have pleasure in announcing that

H. T. W. HARDINGE

(The Kent County Cricketer and International Footballer)

Has been appointed to the staff of **WISDEN'S**.

His career at both cricket and football is well known to sportsmen. He has also practical workshop experience in the manufacture of sporting requisites. He will be pleased to interview by appointment any intending customer, and place the benefit of his experience at their disposal.

WISDEN'S "Special Crown" Cricket Balls are THE Balls used in Test Matches.

WISDEN'S Cricket Balls are used at Lord's and nearly all County Grounds.

WISDEN'S "Exceller" Cricket Bats are universally acknowledged by all first-class players to be the **FINEST BAT IN EXISTENCE.**

Wonderful Collection of Old Record Cricket Bats and Balls always on view.



WISDEN'S "Exceller" Cricket Bats

Made from best English Willow by skilled workmen.

We hold a very fine stock of selected and well-seasoned bats unequalled for shape, balance, and finish. Boys' and Youths' Cricket Bats, specially made for use at Preparatory and Public Schools.

EXTRA Special Selected, Men's ...	32/6
Selected, Men's ...	28/6
Ordinary " " ...	25/-
No. 6 Selected Boys' ...	17/-
No. 5 " " ...	14/6
No. 4 " " ...	12/-
No. 3 " " ...	10/6
EXTRA Special Harrow or Public School Size ...	30/-
Harrow or Public School Size, Selected	25/-

Every Bat Guaranteed.

TENNIS, HOCKEY, POLO, SQUASH GOLF.

Running Shoes, Vests, Knickers and Cords.

LARGEST STOCK OF ALL SPORTS GOODS IN THE KINGDOM.

DUSTLESS and HYGIENIC SCHOOLS

On all School, Laboratory, Library, &c., Floors and Linoleums of every description

USE**FLORIGENE** (Regd.)**DURING the EASTER VACATION for Best Results.****(BRITISH MADE.)**

It is **IMPORTANT** to **NOTE** that **ONE APPLICATION** of "Florigene" **ALLAYS** the **DUST** and **DIRT** for **2 TO 12 MONTHS**, according to traffic, not only during each Sweeping (without sprinkling of any kind) but also throughout all the intervening periods—which is of greater hygienic importance. "Florigene" is also easily and quickly applied, and saves time and labour.

These sanitary, labour-saving, and economic advantages are NOT attained by sweeping-powders or any mechanical or other method.

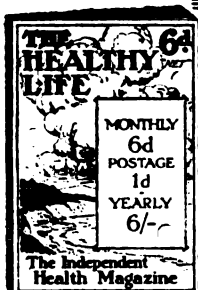
Send for Particulars, Medical Reports and Testimonials, to the Sole Manufacturers:

The "DUST-ALLAYER" Co., 4 Vernon Place, Bloomsbury Square, London, W.C.1.
Contractors to the Admiralty, War Office, H.M. Office of Works, Colonial Gouts., L.C.C., &c.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

¶ Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W.1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



Blackboards cannot become Shiny

in use, if covered with

Proctor's "Defiance" (Trade Mark)
Slate Composition.

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

SAVE 50% of your TIME

by ordering your **NEW BOOKS** through Mr. John Davis, who can always secure good second-hand copies of manuals out of stock at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a further order for you as I am well pleased with your past efforts to secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,
Successor to Mr. Thomas Laurie,
13 PATERNOSTER ROW, LONDON, E.C. 4

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1919).

In accordance with the above-mentioned Order, a
REGISTER OF TEACHERS
is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C.1.

LANTERN SLIDES FOR SALE OR HIRE

In all branches of Natural History, including

**PLANT ECOLOGY,
GEOLOGY,
PHYSIOGRAPHY, &c.**

Ask for Catalogue EE.

SLIDES MADE TO ORDER—PROMPT DELIVERIES.
LANTERNS—ILLUMINANTS—REPAIRS.

FLATTERS & GARNETT, Ltd.
309 OXFORD ROAD (Opposite the University), MANCHESTER.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental
Apparatus Parts and Materials.

Lenses, Achromatic or Plain, Prisms, Mirrors, and
Optical Goods.

Best Make, Second-hand P.O., and other Galvanometers,
Relays, Electric, and Optical Instruments at
ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings
for the Student of Science.

Telephones, Batteries, Morse Keys, and every aid for
Radio and Telegraphic Experiments.
Our Celebrated Wimshurst Machines.

War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
Call or write for information. (H. J. DALE has had fifty
years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 St. John Avenue, Bloomsbury Square, London, W.C.1.

establishment of a minimum school-leaving age of sixteen years and the provision of compulsory continuation schools for pupils up to eighteen (*American Teacher*, VIII, 2). And a well known American schoolman, blessing a certain new Bill in the name of the National Education Association, desiderated for America a measure like Mr. Fisher's Act (*American Teacher*, I.c.). For they suppose in the United States that Mr. Fisher has given us obligatory continuation. What he has done with respect to continuation is to obtain for the Board of Education statutory powers to appoint, in "any area or part of an area," a day for the enforcement of a Section imperfect and inadequate at its inception, and grievously mangled before it grew to be law. That is how we stand at present—after twenty years of struggle.

The new Bill referred to in the preceding paragraph is a revision of the Bill introduced in the Senate last autumn by Senator Hoke Smith to create a Federal Department of Education. We published a summary of the old Bill in this column; the new Bill, fathered by Judge Towner of Iowa, differs from the Smith Bill in providing further means to safeguard local control in education, and to ensure that the Federal appropriation shall be used in part for the payment of teachers' salaries. It has the support of all the chief educational groups.

Since its foundation in 1902 the General Education Board—we have received the Report for 1917-18—has appropriated some 14,000,000 dollars towards the endowment of colleges and universities, and it has actually paid over more than 10,000,000 dollars of that sum. Schoolhouse planning and construction is a field of which it promotes the survey; and, when a Committee of the National Education Association began to study buildings, the Board opened its helpful purse. The Committee found that the cost of construction varied much even in conterminous States, and, again, that, whilst some buildings devoted 63 per cent. of their space units to the purposes of instruction, others gave only 38. In the United States schoolhouses are in process of construction everywhere, under special architects, and some degree of standardization is deemed feasible. The little red schoolhouse on a stony plot has developed, in the large towns, into a superb and impressive edifice. It was fortunate for America that such competent men as Richardson in Massachusetts and Snyder in New York applied themselves to school architecture, seeking to combine economy with convenience and to show the demands of education as not inconsistent with the demands of art. For external beauty, no less than internal fitness, should be required of the school. There is a style of ecclesiastical architecture known as "Pure Churchwarden"; we deprecate a style of school architecture that posterity might designate as "Pure County Council."

We would fain promote in England a zeal for education to citizenship, adducing as a stimulus the example of America. Look, for instance, at Massachusetts. The School Committee of the city of Lawrence has set apart the Oliver School, which has fourteen hundred pupils and forty teachers, to test what can be done in cultivating group-consciousness, a sense of civic duty, and patriotism in the minds of the young. Two expert teachers from the State Normal School at Lowell will give instruction in it, and a series of leaflets relating to principles and material is being issued. The National Security League, continuing still the good work that it has done during the War, provides the funds to defray the expense incurred by the school. Such experiments, such endeavours are needed in England. A New Age cannot be built on envy, bickerings, and the hostility of class to class. The school must teach the interdependence of men and make social unity no less an aim than sound learning and good living. Current events should show it the urgency of this duty.

FRANCE.

The War has hatched a mighty brood of books in France; we signalize as timely M. Frédéric Eccard's *In Alsace-Lorraine*. "L'Alsace sous la domination allemande" (Librairie Armand Colin; 4 fr.). In the territory now to be restored to France there are some difficult educational problems to be solved; for it contains 37 secondary schools, with 691 teachers, giving instruction to more than twelve thousand pupils. Many French teachers from Alsace-Lorraine will be glad to return to the land of their fathers; but by doing so they will leave gaps in the lines, already thinned, of the teachers of France. And salaries have been higher under German rule than the French are accustomed to pay. It is for France to surmount these difficulties. We rely on our allies to effect the change

(Continued on page 284.)

A SELECTION FROM METHUEN'S EDUCATIONAL LIST

Announcement List and Catalogues sent on application

- Home and State:** An Introduction to the Study of Economics and Civics. By SUSAN CUNNINGTON, Principal, Wiston's School, Brighton. Crown 8vo. 3s. 6d.
- Junior English.** By F. J. RAHTZ, M.A., B.Sc. 15th Edition. Crown 8vo. 2s. 3d.
- Senior English.** By F. J. RAHTZ, M.A., B.Sc. 12th Edition. Crown 8vo. 6s.
- English Composition from Models.** By C. ROONEY, B.A., LL.B. Crown 8vo. 3s. 6d.
- A Class-Book of Dictation Passages.** Selected by Canon WILLIAMSON, B.A. 21st Edition. Crown 8vo. 2s. 3d.
- A Short Story of English Literature.** By EMMA S. MELLOWS. Crown 8vo. 4s.
- Ballads of the Brave:** Poems of Chivalry, Enterprise, Courage, and Constancy. By Canon F. LANGBRIDGE, M.A., D.Litt. 5th Edition, revised. Crown 8vo. 5s. net.
- A History of Great Britain.** By E. M. WILMOT-BUXTON, F.R.Hist.S. With 20 Maps. 5th Edition. Crown 8vo. 5s.
- The Industrial History of England.** By H. DE B. GIBBINS, M.A., Litt.D. With Maps and Plans. 23rd Edition. Crown 8vo. 5s.
- A London Reader for Young Citizens.** By F. W. G. FOAT, M.A., D.Litt. With Maps and Illustrations. Crown 8vo. 2s. 3d.
- Makers of Europe.** An Outline of European History. By E. M. WILMOT-BUXTON. 16th Edition. Crown 8vo. 5s.
- The Re-making of Modern Europe: 1789-1878.** By J. A. R. MARRIOTT, M.A., M.P. With 10 Maps. 10th Edition. Crown 8vo. 6s.
- By Road and River.** A Descriptive Geography of the British Isles. By E. M. WILMOT-BUXTON. With Maps and Illustrations. Crown 8vo. 3s. 6d.
- The Dominion of Man.** General Geography in its Human Aspect. By E. PROTHEROE. With 36 Illustrations. 4th Edition. Crown 8vo. 3s. 6d.
- A Commercial Geography of the British Empire.** By Professor L. W. LYDE, M.A., University of London. 10th Edition. Crown 8vo. 3s.
- Historical and Modern Atlas of the British Empire.** By C. GRANT ROBERTSON, M.A., Oxford, and J. G. BARTHOLOMEW, F.R.S.E., F.R.G.S. Demy 4to. 6s. net.
- History and Geography Examination Papers.** By C. H. SPENCE, M.A. 3rd Edition, revised. Crown 8vo. 3s. 6d.
- First French Lessons.** By A. M. M. STEDMAN, M.A. 13th Edition. Crown 8vo. 1s. 6d.
- French Prose Composition.** By R. R. N. BARON, M.A., Cheltenham Grammar School. 8th Edition. Crown 8vo. 3s. 6d.
- French Examination Papers in Miscellaneous Grammar and Idioms.** By A. M. M. STEDMAN, M.A. 17th Edition. Crown 8vo. 3s. 6d. Key (6th Edition), 6s. net.
- First Latin Lessons.** By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 15th Edition. Crown 8vo. 2s. 6d.
- A School Latin Grammar.** By H. G. FORD, M.A., Trinity Grammar School, Melbourne. 4th Edit., revised. Crown 8vo. 4s.
- Latin Examination Papers in Miscellaneous Grammar and Idioms.** By A. M. M. STEDMAN, M.A. 17th Edition. Crown 8vo. 3s. 6d. Key (8th Edition), 6s. net.
- A Short History of Rome to the Death of Augustus.** By J. WELLS, M.A., Wadham College, Oxford. 16th Edition. Crown 8vo. 6s.
- A New Junior Arithmetic.** By H. BOMPAS SMITH, M.A., University of Manchester. 4th Edition. Without Answers. 3s. With Answers, 4s.
- Elementary Experimental Science.** By W. T. CLOUGH, A.R.C.Sc., and A. E. DUNSTAN, D.Sc., F.I.C. 17th Edition. Crown 8vo. 4s.
- The Complete School Chemistry.** By F. M. OLDHAM, M.A., Dulwich College. With 125 Illustrations. 12th Edition. Crown 8vo. 7s. 6d.
- General Knowledge Examination Papers.** By A. M. M. STEDMAN, M.A. 8th Edition, revised by C. G. BOTTING, M.A. Crown 8vo. 3s. 6d. Key (5th Edition), 7s. 6d. net.

METHUEN & CO., LTD.,
36 Essex Street, Strand, W.C.2.

GEORGE ALLEN & UNWIN, LTD.**NEWSHOLME'S SCHOOL HYGIENE.**

The Laws of Health in Relation to School Life.

By JAMES KERR, M.A., M.D.

Fourteenth Edition. Revised and Rewritten. 4s. 6d. net.

PHYSICAL EDUCATION IN RELATION TO SCHOOL LIFE.

By R. E. ROPER. 3s. 6d. net.

"A reasoned statement of the whole position, strongly recommended to head teachers."—*Educational Times*.**THE ADOLESCENT.**

By J. W. SLAUGHTER. Introduction by J. J. FINDLAY. 3s. 6d. net, Second Impression.

THE CAMP SCHOOL.

By MARGARET McMILLAN. 3s. 6d. net. Second Edition.

"Miss McMillan writes with wise and warm sympathy of the upbringing of children. . . . A book which no student of humane reform can afford to miss."—*Daily News*."The book is as attractive as it is instructive. . . . Deserves the respectful attention of all who have any responsibility for the education of the country."—*Educational Times*.**CHAPTERS ON ENGLISH.**

By Prof. OTTO JESPERSEN. 4s. 6d. net.

"It is long since we read so brilliant a performance of its kind."—*Academy*.**ANGLO-SAXON READER AND GRAMMAR.**

By JAMES W. BRIGHT, Ph.D.

New and Revised Edition. 5s. net. Grammar separately. 2s. 6d. net.

ORGANIC CHEMISTRY.

By JOHN WADE, D.Sc. Revised Edition Illustrated. 8s. 6d. net.

ECHO PERSONALITIES. A Short Study of the Contributions of Abnormal Psychology towards the solution of some of the Problems of Normal Education. By FRANK WATTS, M.A. 4s. 6d. net."This excellent little book contains much that is valuable for those engaged in training the young."—*Inquirer*.**Prof. GILBERT MURRAY'S**

translations of Greek Plays into English Rhyming Verse, with Commentaries and Explanatory Notes. Cloth, 2s. 6d. net. Paper, 1s. 6d. net.

Euripides.

Alcestis

Bacchae

Electra

Hippolytus

Aristophanes.

Frogs.

Iphigenia

Medea

Rhesus

Trojan Women.

Sophocles.

Oedipus Rex.

RUSKIN HOUSE, 40 MUSEUM ST., LONDON, W.C. 1.

BERNON'S "SHALL AND WILL." 1s. 6d.

Highly commended by American, British, French, and German Scholars.

HACHETTE & CO., 18 King William St., Charing Cross, W.C. 2.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Paldologist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE), 13 PATERNOSTER ROW, LONDON, E.C. 4.

Orders for monthly parts of

THE SCHOOL WORLD

for June, 1918, and earlier dates (i.e. before the amalgamation with "The Journal of Education")

should be placed with

Messrs. Macmillan & Co., Ltd.,
St. Martin's St., London, W.C. 2.**Wolsey Hall, Oxford****50 TUTORS AND DIRECTORS OF STUDY**

All University Graduates with highest honours selected primarily for their TEACHING ABILITIES

□

TUITION BY CORRESPONDENCELONDON UNIVERSITY | LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN | TEACHERS' EXAMS.
DURHAM UNIVERSITY | GENERAL EXAMINATIONS
THEOLOGICAL EXAMS. | INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD**CELEBRATED****Military Marches**

Played by the Bands of the British and Allied Armies.

Arranged for Piano Solo.On the Quarter Deck. Viscount Nelson.
Gladiators' Farewell. Colonel Bogey.
The Great Little Army. The Light Horse.
Sons of the Brave. Old Comrades.
Children of the Regt. Washington Greys.
A Wounded Friend. The Last Stand.
With Sword and Lance. Under the Stars.
Under Freedom's Flag. And many others.

1s. each net cash (no discount allowed).

Obtainable of all music sellers or direct from

HAWKES & SON.

DENMAN ST., PICCADILLY CIRCUS, LONDON, W. 1.

PRINTING FOR SCHOOLS**GEORGE OVER**

(Printer to Rugby School).

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	...	net 6/-
THE GIRLS SCHOOL YEAR BOOK	...	" 6/-
THE SCHOOLMASTERS YEAR BOOK	...	" 15/-
THE DIRECTORY OF WOMEN TEACHERS	...	" 10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,
31 Museum Street, LONDON, W.C.1.

of administration as tenderly as possible. It is no gain for humanity if bitterness is transferred from one set of hearts to another, and France stands for humanity.

INDIA.

The Report on Public Instruction in Bombay, 1917-18, exhibits the special weakness of education in India: the girls are not drawn into the schools. Against 632,987 boys under instruction there were only 148,687 girls, the boys under instruction being 6.2 per cent. of the total population of the Presidency, the girls 1.6 per cent. We give some other details from the Report. The expenditure for education was augmented. Recommendations were made for filling six permanent vacancies in the Indian Educational Service by Indians deemed fit to fill them. A new scheme of equivalence between the examinations of Bombay and other Universities was sanctioned. The number of pupils (65,000) in the (420) high schools rose by 5 per cent., an increase to which all communities except the Parsis contributed. One-fourth of the teachers in these schools were trained; a few more than a fourth possessed a University degree. A decrease (to 565,737) of 1 per cent. in the enrolment at primary schools was due to plague. Only 38.7 per cent. of the primary teachers were trained. The demand for improved salaries was emphasized by a three months' strike of 431 untrained teachers in the Surat district. The Act permitting Municipalities under certain conditions to make education free and compulsory came into force just after the year under review closed. Curious to relate, an experiment in part-time education for the children of agriculturists had to be abandoned on account of its unpopularity.

There are those to whom examinations are odious; the new Spiritualists may make them impossible, since foreknowledge of the questions to be set can, it is alleged, be got through mediums. The Indian student, eager to be examined, is naturally eager also to know what tests of attainment will be applied. At Calcutta University the questions for the Matriculation, for the B.A., and the B.Sc. Examinations leaked out—were discussed, it is said, in the bazaars and streets. It was two years ago. A Committee of the University, after a lingering investigation, has reported

The Bombay Report.

that "the leakage was brought about not by examinees, but by some organized body of persons anxious to bring discredit on the University." We rejoice that the students did not this time originate the fraud. For the rest, a University that cannot protect itself against such malfeasance deserves to be discredited.

CANADA.

In Sir Wilfrid Laurier Canada lost a great statesman and an eminent publicist. The *Revue Canadienne* (XXIII, 3) supplies some particulars of his early life which have not, as we think, been published in England. He was born on November 20, 1841, at Saint-Lin, by the foot of the Laurentides, and sprang from a family which was originally seated in Anjou, but migrated to Canada in 1660, and established itself first in the Ile Jésus, then at Lachenaie, and lastly at Saint-Lin. His father, Carolus Laurier, was a land-surveyor. His mother dying young, it was a stepmother that imparted to him the first rudiments of knowledge. Then he studied classics at the Catholic Collège de l'Assomption, of which he kept always pleasant memories. In defiance of its rules, he would often slip away to hear some political speaker, himself the orator of the school. Thence he passed to McGill University, where he studied law. Physically and intellectually well endowed, he pursued his course successfully until he was called to the Bar in 1864. His public life began in 1871, when Arthabaska sent him to the Chamber of Quebec. In *Les Langues Modernes* (XVII, i) a Frenchman, late a prisoner of war in Germany, relates, among the insults put on him, that a German chaplain, von Spee, cousin of the Admiral, offered him a German copy of the New Testament. Sir Wilfrid Laurier died a trustful Catholic; and, indeed, most of the French in Canada still cherish the faith from which so many of the French in France have turned.

QUEENSLAND.

The Education Report for 1917 shows that in the year there was an increase of 3,291 in the average daily attendance. A larger number of itinerant teachers visited the sparsely settled districts to instruct

From the Report.

(Continued on page 286.)

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of **Uniforms, Head-dresses, Accoutrements, Lace, and Embroidery for Officers and Rank and File.**

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

Baby Shows and Day Nurseries.

The organizers of the Day Nurseries will profit greatly by the practical experience of the Baby Shows and Infant Welfare Centres. Methods which have been successful and foods which have proved their worth there, will be adopted by the new Nurseries.

At the most carefully judged Baby Shows and the most carefully supervised Centres for Infant Welfare,

ROBINSON'S "Patent" BARLEY

has been tested and has stood the test. Again and again has the First Prize Baby at the Baby Shows proved to have been fed on Robinson's "Patent" Barley.

Many a baby never has a fair start in life—born sickly, ailing and unable to be fed by Nature's method. Yet from these frail, suffering little bundles of mortality Robinson's "Patent" Barley has produced fine sturdy children. That is why in the Day Nurseries this famous food will be adopted and will have yet other opportunities of bringing health and happiness to our little growing citizens.

Write for Free Literature,

Dept. J.E. c/o KEEN, ROBINSON & CO., LTD., LONDON, E.1.

The Future Career Association.

(Established 1904.)

CONVEYANCING DEPARTMENT.

This Department is now under the direction of **Mr. F. C. NEEDES, B.A.**, whose experience, advice, and assistance are unreservedly placed at the disposal of **Purchasers** free of charge.

TRANSFERS and PARTNERSHIPS arranged by correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

An **unusual opportunity** offers itself to a young energetic lady of good social position, with educational qualifications, to acquire a **partnership** in one of the best **Finishing Schools** near London. Sound investment, but monetary consideration of secondary importance.

Also an **unusual opportunity** offers to a lady capable of superintending a **Model Dairy School** in connexion with a celebrated **Educational College**.

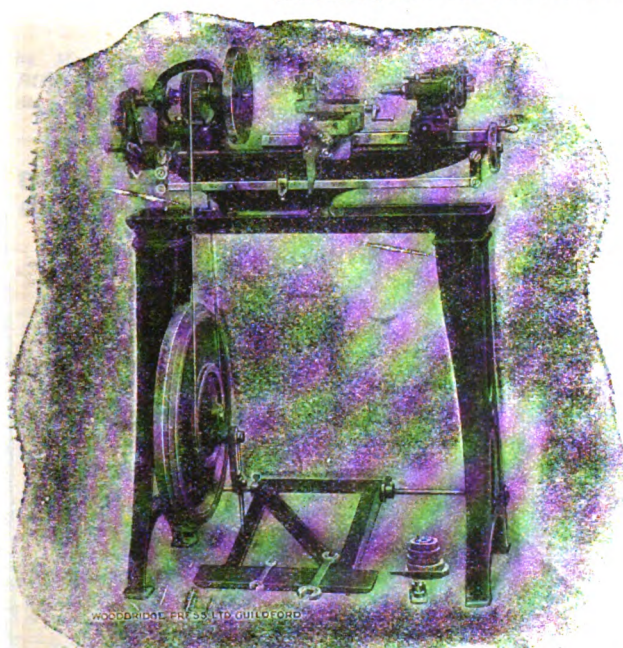
FOR SALE (*inter alia*).

1. **Cheshire.**—**High Class Girls'**, unopposed, and situated in a wealthy and hunting centre. 8 weekly Boarders, and 12 Day, all at high fees. Receipts about £1,000. Excellent premises. Expenses small. A lady of good social position and education would find this a unique School and investment. Goodwill £400. Unreservedly recommended.
2. **On the Borders of the Peak District.**—**Flourishing Girls' and Boys' Preparatory** of 80 pupils, of whom a few are Boarders. Receipts £1,350 last year. Profits over £600. Splendid investment for two ladies, or for a married gentleman whose wife could assist with the girls. Goodwill and all School furniture, &c., 700 guineas.
3. **East Coast.**—Good-class Preparatory Dual. About 7 weekly Boarders and 25 Day. Good fees. Receipts about £550. Commodious house, lets in summer at about 10 guineas a week. £200 for goodwill and all School furniture.
4. **Near London.**—Small but high-class little Boys' Preparatory School suitable for ladies only. Receipts last year £650. Large house with 5 reception, 7 bedrooms, standing in 2½ acres, available. No opposition and a sound investment. Goodwill £250.

53 VICTORIA ST., WESTMINSTER, S.W.1
Telephones: Victoria 4163 and 5942.

DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable.
DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable.
The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work.



Catalogues on application to

As supplied by the British Admiralty.

DRUMMOND BROS., Ltd., VIEW HILL, GUILDFORD.

A new and original work by a successful Head Teacher and Gardener.

172 Pages, Demy 8vo, Illustrated, and bound in stout Cloth Boards. 3/6 net. Post free, 3/10 net.

EDUCATIONAL GARDENING.

BY

ROBERT HOGG, F.R.H.S.

Instructor of Gardening to the Derbyshire Education Committee.

Extract from Introduction by Mr. ARTHUR HOUGH.

This book will prove a reliable guide to teachers, scholars, and others interested in Horticulture who wish to possess a good knowledge of facts and principles necessary for successful practical work, whether connected with school and cottage gardens or allotments. The writer, whose practical experience extends over many years, deals with sound methods of cultivation in a concise and clear manner. The pursuit of Horticulture acts beneficially on body and mind, it readily lends itself to experiment, sharpens the power of observation, anticipates results, and is a wholesome and profitable recreation.

LONDON:

A. BROWN & SONS, Ltd.,

5 Farringdon Avenue, E.C.4, and at Hull and York.

NOTICE OF INCREASED PRICE.

The Journal of Education and School World

BOUND VOLUME FOR 1918.

THE PRICE OF THIS VOLUME IS **12/-**.

SEPARATE BINDING CASES, 4/-.

A few copies of previous volumes can still be obtained, price 10/6 each.

Separate Binding Cases, 2/6.

A list of those in print will be furnished on application to the Publisher.

London: **MR. WILLIAM RICE**, 3 Ludgate Broadway, E.C.4.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 1's at 3s. 6d. 2's to 7's at 3s. 11d.

PLIMSOLLS. Grey canvas, rubber goloshed, best make, same sizes and prices as above.

DANCING SANDALS. Black glaze kid, hand sewn, sizes 2's to 7's at 12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,

SPORTS AND GAMES SHOE MAKERS,

272 FULHAM ROAD, LONDON, S.W.10.

BOOKS

On Educational, Scientific, Medical, Law, Theological and ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free.

State Wants.

Books Bought.

W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C.2.

the children of stockmen, boundary riders, timber-getters, and fossickers. The teachers in general (70 more than in 1916) were paid under a new scheme for the improvement of salaries. School gardening thrived; an Inspector relates that an experimental plot at Yandina, in the Brisbane-Gympie district, contained nine varieties of citrus fruit, potatoes, strawberries, pineapples, grapes, mandiocca, and vegetables. The ten grammar schools received State aid, and had many scholarships, awarded on an examination qualifying, not competitive; moreover, there were seven State high schools giving free secondary education. Nearly ten thousand students were trained in the fifteen technical colleges. The young University of Queensland provided instruction for 227 men and women. Queensland has been offering its share of sacrifice for the Empire: from the beginning of the War to the end of 1917, of 396 officials and teachers connected with the Education Department who had enlisted, 104 were reported as killed, wounded, or missing, and 28 names were inscribed on the University's roll of honour.

Vocationalism in the Dominions is a subject of great imperial interest. If the new tendency is followed, they will make a diminishing demand on Great Britain both for skilled labour and for manufactured goods. At the Cape of Good Hope the Superintendent-General has outlined a proposal for introducing into secondary schools courses suitable for those who intend to adopt commercial, technical, or agricultural pursuits. Canada seems to be moving in the same direction. The Queensland Report (pages 18 ff.) grips closely vocational education and the possibilities of developing it. Since 1908 the State has recognized vocational training as an essential element of national education, and done much to promote it, with good reason. Already in 1916 its manufactures were valued at £25,500,000, whilst it employed 7,526 persons in the making of clothing and textile goods, and 6,482 in the manufacture of metals and machinery. New markets and improved means of transit will give impetus to its industries, and it seeks to provide its own skilled labourers for them. A Departmental Committee has decided that an extension of facilities for vocational training and higher technical education is necessary, and a scheme, involving probably the lengthening of school-life through the attendance at continuation classes, is projected to extend them. Interest in work, a desire for increased knowledge, the pleasant and useful occupation of leisure, preparation for citizenship—these are among the objects at which the scheme aims, no less than at the imparting of general dexterity and special skill. We commend the Queensland Education Report to the attention of certain English obstructives.

THE TEACHERS' GUILD OF GREAT BRITAIN AND IRELAND.

THE Teachers' Guild is arranging courses in French and Spanish at Oxford from August 13 to August 30. The Literature Section of the French Course will be arranged by Prof. Rudler, University of London, who, besides giving *lectures explicatives*, will lecture on Michelet. Prof. Fleure, of Aberystwyth, will lecture on some of the less known places in France, illustrated by lantern views. Miss Allison will be in charge of the practical classes, which will include "conversation and reading of phonetic texts." Señor Barragán will be in charge of the Spanish Course. Further particulars will be available shortly, and can be obtained from the General Secretary, 9 Brunswick Square, W.C.1.

The Teachers' Guild has acquired the lease of 7 Brunswick Square for an extension of club accommodation. Bedrooms are in great demand. The provision of this additional accommodation will make it possible to keep some of the rooms available for members of the Club passing through London or needing accommodation for a few nights at a time.

Resolutions have been adopted by the Council (a) urging the Government to carry out without delay the recommendations contained in the Report of their Committee on Modern Language Teaching in the sections numbered 46, 47, 48, 49, and 50; (b) in view of the high degree of skill required by examiners, as insisted on in Section 213 of the Report of the Government Committee on Modern Language Teaching, urging the School Examination Council to make provision for research in the scientific principles of examining and suggesting that valuable hints might be obtained by consulting the methods employed by the Civil Service Commission; and (c) urging that, as a rule, far larger use should be made in this connexion of the teaching profession by the employment of teachers as examiners, and by taking into greater account the school record.

A. & C. BLACK'S HISTORIES.

By M. W. KEATINGE, M.A. D.Sc.,

Reader in Education in the University of Oxford.

A FIRST HISTORY OF ENGLAND.

Demy 8vo. cloth, with many illustrations. Price 3s. 6d.
Or in two half volumes, cloth. Price 2s. each.

This history is suited for boys and girls from 9 to 12. Its main features are the large number of pictures, upon which to a great extent the narrative is based, the attention paid to social and industrial history, exercises on the pictures, and references for the teacher or the pupil to illustrative material for each episode. Summaries are included.

By M. W. KEATINGE, M.A., D.Sc.,

Reader in Education in the University of Oxford; and

N. L. FRAZER, M.A.,

Head Master of Ilkley Grammar School.

A HISTORY OF ENGLAND FOR SCHOOLS.

With Documents, Problems, and Exercises. Price 7s. 6d.; or in Two Parts, 4s. each.

Part I.—55 B.C. to A.D. to 1603. Part II.—A.D. 1603 to Present Day.

The "Documents, with Problems, and Exercises" are also published separately under the title of

DOCUMENTS OF BRITISH HISTORY.

In one Volume. Price 6s. Or in Six Sections. Limp Cloth. Price 1s. 4d. each.

Sec.	A.D.	Sec.	A.D.
I.	78-1216.	IV.	1603-1715.
II.	1216-1399.	V.	1715-1815.
III.	1399-1603.	VI.	1815-1900.

AN INTRODUCTION TO WORLD HISTORY.

Containing 20 Maps and 24 Illustrations. Price 3s. 6d.

Edited by N. L. FRAZER, M.A.

ENGLISH HISTORY ILLUSTRATED FROM ORIGINAL SOURCES.

Each volume contains illustrations.

To A.D. 1066.	1485-1603.
1066-1216.	1603-1660.
1216-1307.	1660-1715.
1307-1399.	1715-1815.
1399-1485.	

Price 2s. 6d. each.

The plan of this series is so laid that *interest in the textbook or in the teacher's words is stimulated by supplementary reading*, and sufficient premises are given to allow of a reasonable and reasoning deduction. *The extracts are taken from contemporary authors, or are themselves contemporary documents.*

By H. L. BURROWS, M.A.

THE STORY OF ENGLISH INDUSTRY AND TRADE.

Containing 36 Illustrations. Price 2s. 6d.

This book is intended for use as a reader and textbook for the upper classes of primary schools and the lower and middle forms of secondary schools.

By EUGENE L. HASLUCK, B.A., F.R.Hist.S.

AN INTRODUCTION TO THE HISTORY OF ENGLAND.

With 15 Sketch Maps. Price 3s. 6d.

This volume aims at delineating in clear outlines the main threads of our History, and at enabling the student to grasp the essential lines on which England has developed as a State. It is intended as a book for use in the upper forms of schools, and a good knowledge of the contents of this volume should be sufficient for the purpose of the London Matriculation Examination.

A. & C. BLACK, Ltd.,

4, 5, & 6 Soho Square, London, W. 1.

G. BELL & SONS, Ltd.

BELL'S MATHEMATICAL SERIES FOR SCHOOLS AND COLLEGES.

GENERAL EDITOR: W. P. MILNE, M.A., D.Sc.

READY IMMEDIATELY.

Arithmetic for Preparatory Schools.

By TREVOR DENNIS, M.A., Head Master of Lady Manners' School, Bakewell; late Mathematical Master at Sherborne School; and Senior Mathematical Master at Sherborne Preparatory School. Crown 8vo, 4s. net; or with Answers, 4s. 6d. net.

This textbook follows the lines of the syllabus issued by the Curriculum Committee of the Head Masters' Conference. Chapters are included on Graphs, Logarithms, and Household Accounts. Decimal notation is introduced, and illustrated by practical work. The examples cover a wide range, and revision papers are included after each set. The types used conform to the standard laid down by the British Association Committee.

Analytical Geometry of the Straight Line and Circle.

By JOHN MILNE, M.A., Senior Mathematical Master of the Mackie Academy, Stonehaven. Crown 8vo, 5s.

This book is intended to form an introduction to the study of Analytical Geometry. Simple forms of equations belonging to the straight line and circle are dealt with in the first six chapters, and harder forms are treated later. The examples have been carefully constructed so as to bring into prominence the geometrical properties dealt with.

JUST PUBLISHED.

A First Course in the Calculus.

By W. P. MILNE, M.A., D.Sc., Mathematical Master at Clifton College, Bristol, Examiner in Mathematics, University of St. Andrews, and G. J. B. WESTCOTT, M.A., Head Mathematical Master, Bristol Grammar School, formerly Scholar of Queen's College, Oxford, and University Mathematical Exhibitioner. Crown 8vo, with Answers, 3s. 6d.

Col. Sir Ronald Ross, in his Presidential Address to Science Masters, 1919:—"Few young men know even the aims and objects of the Science of Mathematics, much less its applications, though they may have studied it for years at school. The reason is that the school-boy is not pushed fast enough into the heart of the science, which is the Calculus."

Full particulars of this Series, and of the well-known textbooks of

Arithmetic, Algebra, Geometry, and Trigonometry,

by Messrs. PENDLEBURY, BAKER and BOURNE, BORCHARDT and PERROTT, &c., will gladly be sent on application.

Differential Calculus for Colleges and Secondary Schools.

By CHARLES DAVIDSON, Sc.D., Mathematical Master at King Edward's School, Birmingham. Crown 8vo, with Revision Exercises, Essays, and Problem Papers, 6s.

CONTENTS:—The Differential Coefficient—Differentiation of certain Functions—Successive Differentiation—The Expansion of Functions in Power-Series—The Evolution of Indeterminate Forms—Maxima and Minima—The Tangent and Normal—Curvature—Asymptotes—Singular Points—Curve-Tracing: Rectangular Co-ordinates—Curve-Tracing: Polar Co-ordinates—Envelopes—Evolution—Pedals—Revision Exercises—Essays—Problem Papers—Answers.

Projective Vector Algebra.

An Algebra of Vectors independent of Axioms of Congruence and of Parallels. By L. SILBERSTEIN, Ph.D., Lecturer in Mathematical Physics at the University of Rome. 7s. 6d. net.

This volume is intended to build up an algebra of vectors on the assumptions of projective geometry only, i.e. independent of measurements by rigid transfers. The exposition is simple enough to be easily followed without advanced mathematical training, and the method worked out can be applied to cover the whole field of projective geometry.

YORK HOUSE, Portugal St., W.C. 2.

**The New Way
The Best Way**

of Teaching Geography with History.

The Requirements of busy Teachers are met in

The New Waverley Publication,

now complete,

**THE WORLD
WE LIVE IN***An Illustrated description of the Lands and Seas of the Globe, their Peoples, Animals, Plants, and Products, with valuable Educational Plates and Pictures,*

and including a section on

"HOW GEOGRAPHY AFFECTS HISTORY."

By Sir H. H. JOHNSTON, G.C.M.G., &c.

"That son of mine . . . twelve years old . . . knows that Lisbon on the Tagus is the capital of Portugal . . . that furry things on the maps are mountains, and he can tell you the export of Burmah. But he doesn't know the least thing about *geography*—real geography. He couldn't tell you by looking at a map whether a bit of road ran uphill or down. He has no idea why London came to stand where it is, and he can't understand why the Huns had only two ways of retreat open to them from France. . . ."

"Well, why should he? We shouldn't if we hadn't been obliged to carry maps all round that silly war."

"BUT THOSE ARE THE THINGS THAT MATTER. . . . Learning names isn't any good. Geography is *the study of the earth's surface*— . . . it ought to be; and that is what I would make it in my school. . . . I would have the boys sent to me for a month every year. When they first came they would just learn physical geography. I would show them mountains, capes, peninsulas, and the rest. Then they would go to maps. . . . How many schoolmasters do you suppose ever dream of helping out their geography lessons with Ordnance maps of their own neighbourhood? And all that would lead up to the effect of physical geography on mankind. I would show them WHY cities were built, WHY nations grew powerful and declined and HOW POLITICAL GEOGRAPHY IS A CONSEQUENCE OF PHYSICAL GEOGRAPHY."—(From an article in the *Daily Chronicle*.)

What the Teacher needs—

(a few items from an Index of many thousand References)

Maps and Map Reading—Natural Hot Baths—Fur Bearing Animals—How Plants Emigrate—Rainless Regions—Mineral Wealth—Dervishes—The Cape Hunting Dog—Maize Culture in America—Egg-laying Animals—The Belgian Lowland—Andean Republics—The Beginnings of Life—The Action of Waves—The Basin of Vienna—The Tailless Lemur—Tar Sands—The Deforestation of Cyprus—West Indian Sugar Planting—Hailstorms—The Doneseal Highlands—Cannibalism—The Formation of Straits—The Primitive Horse—The Great Salt Lake of Utah—The Ice Age—Fish Canning—The Minerals of Chili—The Deforestation of Ireland—Monsoons in the East Indies—Eastern Siberia, &c., &c.

Sir JAMES YOKALL says:

"This work is 'a Teacher's Aid' and a Reader's Delight."

FREE.

An Educational Booklet presenting Prepared Lessons on the new Teaching of Geography with History.

A Fascinating Gift for Teachers.

To THE WAVERLEY BOOK CO., Ltd. (J.E.N. Dept.),

7, 8, & 9 Old Bailey, London, E.C. 4.

Please send me a presentation copy of "NEW LESSONS IN GEOGRAPHY," your special Booklet for Teachers, containing, together with your FREE offer of a Scheme of Work in Geography, for Teachers, full details concerning "THE WORLD WE LIVE IN." It is understood that I am under no obligation to order anything, having accepted this Free Booklet.

NAME.....

ADDRESS.....

J.E.N. 1919.

BLACKIE & SON'S NEW LIST

Experience has proved that Messrs. BLACKIE & SON'S Books take a foremost place by reason of their scholarly editing, clear type, strong binding, and reasonableness in price.

A NEW SERIES OF FRENCH HISTORICAL READINGS FROM ORIGINAL SOURCES

ÉPISODES MÉMORABLES DE L'HISTOIRE DE FRANCE.

General Editor : LOUIS A BARBÉ, B.A., Officier d'Académie.

PRISE DE LA BASTILLE, from Michelet's *Histoire de France*.

LA ROUTE DE VARENNES,

LES FRANÇAIS A LA 1^{re} CROISADE,

STRONGLY BOUND IN LIMP CLOTH. PRICE 9d. EACH.

BLACKIE'S LONGER FRENCH TEXTS.

From Modern French Literature. Printed in large, clear type, with brief Notes, Exercises, Phrase List, and Vocabulary. Fcap. 8vo. 9d. each.

COURS DE FRANÇAIS, d'après les Textes.

By M. ANCEAU and E. MAGEE, Edgbaston High School for Girls, Birmingham. Cloth boards, 2s. net.

A SKELETON FRENCH GRAMMAR.

By Professor ATKINS, M.A., King's College, London. The "irreducible minimum" printed in red and black. 1s. 6d. net. With Exercises, 2s. net. Exercises only, 1s.

A JUNIOR FRENCH COURSE (First Year).

By E. J. A. GROVES, Lic. ès L. (Senior French Master, Bradford Grammar School). Fully Illustrated. Cloth extra. 2s. 6d. net.

BLACKIE'S LITTLE FRENCH CLASSICS.

Representing all important French Authors from Montaigne to Bourget. Fcap. 8vo. 6d. each.

LE LIVRE ROUGE.

A First Book of French in Coloured Pictures. By E. MAGEE, Edgbaston High School for Girls, Birmingham. With many full-page Coloured Pictures and other Illustrations. Fcap. 4to. 2s.

LE LIVRE BLEU.

A Second Book of French in Coloured Pictures. By E. MAGEE. With sixteen full-page Coloured Pictures and many other Illustrations. 2s. 3d.

A NEW GRAMMAR BOOK.

By AGNES CATNACH, B.A. (Lond.), Assistant Mistress at King Edward's Girls' High School, Birmingham. 2s. 6d. net.

This book seeks to connect more closely the formal study of language with adequate expression of thought, and to attain this end all the work is based on the study of the sentence. It is hoped that to children studying on these lines English Grammar will be a subject of living interest, and that the various facts of grammar will gain that logical connexion which they so often seem to lack.

The matter has been set forth as simply as possible, and in a manner to retain the interest of the pupil.

THE GOLDEN BOOKS OF ENGLISH VERSE.

A Graduated Course for Class Study. Arranged by FRANK JONES, B.A., Senior English Master, King Edward's School, Aston, Birmingham.

In Three Books. Book II, now ready. 2s. net. Books I and III, In preparation.

The chief feature of this series is the teaching apparatus provided at the end of each poem. The objects kept in view in drawing up these aids have been to save the teachers' time, and to provide the pupils with an instrument by which they might test the thoroughness or otherwise of their understanding of the poem studied. Each teacher will no doubt supplement them as necessity arises; and to the pupils who have studied a poem in order to answer the questions asked, the aids will suggest other points for further consideration with the help of the teacher.

THE WARWICK SHAKESPEARE.

General Editor: Prof. C. H. HERFORD, Litt.D., Professor of English Language and Literature in the University of Manchester, Examiner of English in London University. The text of each play is accompanied by an Introduction, Notes, Glossary, and an Essay upon Metre. The "Warwick Shakespeare" holds place as the standard edition for the more advanced study of Shakespeare as literature, and is now universally recognized as the best annotated edition for school use. Crown 8vo, cloth boards, 2s. each net.

THE PLAIN-TEXT POETS.

With Introductions by teachers of experience and position, but no further notes are given. With Frontispiece, neatly bound in cloth covers, limp, 10d. each.

A BOOK OF ENGLISH HISTORY FOR CHILDREN. Part I.

By LILIAS MILROY, Head Mistress of the Leamington High School for Girls, and ELIZABETH M. BROWNE, Formerly Assistant Mistress in the Truro High School for Girls. 2s. 6d. net.

This history book seeks to steer a course between those mere "outlines," which are bound to be lacking in interest for young children, and the books of stories from history, often delightful to the readers, but apt to be rather too bulky for use as textbooks. The aim of the authors has been to select carefully the more important movements and the more picturesque incidents of history, and in connexion with these to give those ample details which children love, and at the same time to preserve a clear chronological sequence.

A RAPID SURVEY OF ENGLISH LITERATURE.

By E. H. BLAKENEY, M.A., Winchester College. 2s. net.

"A wonderfully comprehensive selection of brief characteristic extracts, with notes of the times and peculiarities of the writers, and will be found a very interesting book."—*Guardian*.

ENGLISH PROSE EXTRACTS FOR REPETITION.

Selected and edited by E. H. BLAKENEY, M.A. 9d. net.

"Mr. Blakeney has done very useful work in producing this little book of prose extracts, fine examples of prose for the use of schools. Extracts from writers such as Gibbon, Scott, Matthew Arnold, Shorthouse, Pater, George Meredith, Ruskin, and some quite recent writers are brought together."—*Times*.

THE JUNIOR SCHOOL SHAKESPEARE.

A series of the greater Plays, edited, with Introduction, Notes, &c., by Experienced Scholars, for Junior Students and Junior Candidates in the University Local Examinations. The Plays are edited chiefly from the literary standpoint, although philological notes, where such are required, are given. Clearly printed and neatly bound in limp cloth covers. With Coloured Frontispiece. 10d. each.

THE PLAIN-TEXT SHAKESPEARE.

A neat edition of the greater plays of Shakespeare, presented in a serviceable form at a cheap price. The text follows the well-known Junior School Shakespeare, which omits everything which might be thought undesirable in class reading. Cloth covers, 7d. each.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C. 4.
AND AT GLASGOW AND BOMBAY.

CAMBRIDGE LOCAL EXAMINATIONS.

SPECIAL SUBJECTS, 1920.

Religious Knowledge.

PRELIMINARY.

GOSPEL OF S. LUKE. (Preliminary Edition.) With Introduction, Notes, and Maps. By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.

JUNIOR AND SENIOR.

GOSPEL OF S. LUKE. With Introduction, Notes, and Maps. By Rev. T. WALKER, M.A., late Sub-Warden and Lecturer at St. Augustine's College, Canterbury, and Rev. J. F. RICHARDS, M.A. 2s.

ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A., Head Master of Dean Close School, Cheltenham. With Introduction, Text, Notes, and Maps. 2s.

English Literature.

PRELIMINARY.

SCOTT-LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s.

JUNIOR.

SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. 1s. 9d. (Junior Shakespeare.)

SCOTT-LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s.

TENNYSON—COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. [In the press.]

SENIOR.

SHAKESPEARE—HAMLET. By S. E. GOGGIN, M.A. 2s. 3d.

SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A. 2s. 3d.

MILTON—COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d.

MILTON—LYCIDAS. By S. E. GOGGIN, M.A. 1s. 6d.

MILTON—SONNETS. By W. F. MASOM, M.A. Second Edition. 2s.

ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d.

Latin.

JUNIOR.

CAESAR—GALLIC WAR, BOOK VI. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, Notes, and Complete Alphabetical Lexicon. 1s. 9d.

VERGIL—AENEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. Introduction, Text, Notes, and Complete Alphabetical Lexicon. 1s. 9d.

SENIOR.

LIUVY—BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s.

TACITUS—AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s.

VERGIL—AENEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. Introduction, Text, Notes, and Complete Alphabetical Lexicon. 1s. 9d.

Greek.

JUNIOR.

XENOPHON—ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s.

JUNIOR AND SENIOR.

EURIPIDES—MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d.

Geography.

JUNIOR.

JUNIOR GEOGRAPHY OF EUROPE. Including outlines of Physical Geography the British Isles, and Europe. By G. C. FRY, M.Sc. 2s. 9d.

GREAT BRITAIN AND IRELAND, WITH OUTLINES OF PHYSICAL GEOGRAPHY. From the *Junior Geography* by G. C. FRY, M.Sc. 2s.

JUNIOR GEOGRAPHY OF ASIA, AFRICA. From the *Junior Geography* by G. C. FRY, M.Sc. Each 1s.

SENIOR.

SENIOR GEOGRAPHY OF EUROPE. Including Principles of Physical Geography, the British Isles, and Europe. By G. C. FRY, M.Sc. 3s. 6d.

SENIOR GEOGRAPHY OF ASIA, AFRICA. By G. C. FRY, M.Sc. Each 1s. 6d.

Catalogue of Class Books for the Cambridge University Local Examinations, and Complete Educational Catalogue, post free on application.

University Tutorial Press, Ltd.

High Street, New Oxford Street, LONDON, W.O. 2.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	... £5 10 0	One Column [$\frac{1}{2}$ page]	£3 0 0
Half Column [$\frac{1}{2}$ page]	1 15 0	One-Eighth Page	... 0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—6d. per line; minimum charge, 5s.

Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d. *prepaid rate.*

Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each 8 words after, 6d.; *prepaid rate.*

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C. 4;

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London City and Midland Bank, Ludgate Branch." *Postage stamps can only be received at the rate of thirteen to the shilling.*

Notice must be given of all remittances through the Post Office from abroad, stating *full name and address* of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C. 4.

EDUCATION IN THE PREPARATORY SCHOOL.

By V. SEYMOUR BRYANT.

RECONSTRUCTION is the problem of the immediate future. But all schemes of educational reconstruction will be conceived in vain unless the great social upheaval of the past four or five years be interpreted correctly and kept prominently in view. Power is passing from the old governing and aristocratic classes to the producing class, from the authoritative section of the community to the creative; and, whatever be the future relations between Capital and Labour, the executive power will rest eventually with one or other of the creative classes of the nation.

Synchronizing with this transition of power is a revival of the public interest in education and a fuller realization of its vital importance in connexion with individual and national development. Education must become creative; the absorption of knowledge must give place to the development of latent faculties so that evolution may proceed along the lines of the literal interpretation of the very word "education." The school systems of the day are based on the fallacy that education means imparting knowledge, and consequently an altogether excessive proportion of the curriculum is devoted to instilling facts. Knowledge should, however, be acquired, not instilled; it should be, so to speak, a by-product obtained whenever possible indirectly through action and co-operation.

The main impediments to reform in the public schools are the strongly entrenched classical system with which are bound up tradition and vested interests, the tyranny of examinations, and the conditions of entrance imposed by the ancient Universities. These obstacles are fortunately far less formidable in the preparatory schools, whose curricula are influenced by the Common Entrance Examination and the Scholarship Examinations to public schools. Reform is much easier of

accomplishment, therefore, in the preparatory than in the public schools, provided that the head master can break the fetters imposed on him by the public schools.

Theories of education, apparently so varied, are separable into two distinct classes, which have been called the "Effort Theory" and the "Interest Theory" respectively. The former may be summed up in the familiar phrase, "It doesn't much matter what you teach a boy provided he doesn't like it"—the argument being that in after life the pupil will have to face difficulties constantly and be confronted with problems requiring solution which, it may be, are naturally distasteful to him. The false assumption is made here that because a boy is trained to overcome difficulties in a particular subject—scientific, literary, or linguistic—he is better fitted thereby to overcome an entirely different type of difficulty in the wider world into which he will emerge eventually. It is a commonplace of psychology that this is not so, and this fundamental error is the basis of the present obstructive system, which directly encourages stupidity, deceitfulness, and indolence.

Opposed to the "Effort Theory," which practically controls education to-day, we have the "Interest Theory," which may be expressed in the words, "Teach the child just what he likes or can easily be induced to like." Under this heading may be classed various well known systems, which it would be invidious to mention by name, and the thousand and one schemes of faddists in certain private schools of the country. Such systems have had a greater vogue in the United States than in this country. They have there proved a failure, and the result has been that, during the last decade, there has been a replacement of a system of more or less uncontrolled options by a more formal training. The failure was due to non-recognition of the fact that true education demands effort, the exertion of which, in fact, must be one of its principal aims.

The solution of the problem will be found in a perfect welding of the two ideas, both of which taken separately are useless and incomplete. Interest must precede effort; not an external interest based on false motives, such as fear of punishment or ambition to get a prize, but an intrinsic interest in the subject itself. Once such interest is aroused, effort will follow as surely as night follows day. We may now inquire in what directions is such a solution capable of application.

When Latin was the only medium for the communication of thought and knowledge, a thorough acquaintance with the language was essential. The services of the Church and the administration of the law required it, while medical, scientific, and philosophical treatises were either written or spoken in the Latin tongue. The English language has for many years been used for these various purposes, and the need for meticulous precision in grammar and translation has passed away. But the ancient educational methods still persist, and, if the "effort theory" is false, such methods are almost criminal. Such deadening work should be eliminated and be replaced by a study of the literature, mythology, history, and even the philosophy of the ancient Greeks and Romans; all would be fascinating to many boys and would serve to inculcate more of the spirit of the ancients than many years' study according to present methods will ever do.

The same strange inversion of procedure is adopted too often in the teaching of modern languages. Grammar, which is essentially analytical, is taught to the wretched youth before he has any knowledge of the language, or even a vocabulary, the perfectly natural result being that not one boy in ten at the conclusion of his school career can speak the language sufficiently fluently to get along when travelling on the continent. No child learns its native tongue through a study of its grammar, and it is incomprehensible why this natural method should not be applied to all languages instead of the artificial method which is still persisted in, despite its proved failure. In modern languages, as elsewhere, interest must precede and accompany effort.

There are few greater authorities on the teaching of classics to boys than Dr. Rouse, of the Perse School, who has said: "Boys are not spoilt by learning Greek and Latin, but because they learn Greek and Latin too soon and too long, and because they are taught in a dull and stupid way out of books

which mean nothing to their minds. . . . Foreign languages must be learnt one at a time, with a two years' interval between each." The only language which should be attempted before the age of eleven and a half or twelve is French, treated as above suggested. The study of Latin might then begin.

The introduction to history should be strictly biographical, and the knowledge, thus acquired, later linked together into a comprehensive whole. The intrinsic interest in geography may first be elicited by tales of exploration, the imagination stimulated by descriptions of fictitious journeys, and knowledge through action acquired scientifically by means of demonstrations and individual experiments in the laboratories. An elementary study of plants and animals should be interwoven skilfully with this branch of study.

The foregoing subjects, with the addition of English, which requires development along similar lines, constitute what may be called the informative subjects of the curriculum. These should not occupy more than one-half of the school week. Mathematics, which is treated usually as an informative subject, should be frankly practical and utilitarian: much needs to be added and much needs to be eliminated. As a correspondent to the *Times* suggested many years ago, it should consist of "arithmetic capable of application in ordinary life, little or no algebra or geometry as commonly understood, but some mechanics and trigonometry not as commonly understood." The teaching of mathematics thus conceived must be correlated closely with practical work in the laboratory and the workshops. The laboratories and workshops are not to be used with a view of turning out expert men of science and engineers, but as vehicles of education, as means for turning dead subjects into live ones, and as opportunities for the development of latent capabilities.

In the great majority of preparatory schools no study of natural phenomena is attempted, though in some few cases Nature-study finds a niche. Even in such schools, it is restricted generally to the collection of butterflies and moths and the cultivation of school gardens. The study of Nature in its widest aspects must form a really important part of the school work, and should include very elementary astronomy, movements of the celestial bodies, shadows, eclipses, the seasons, cause of night and day, &c.—all taught by direct observation and by simple models made by the boys themselves in the workshops; tides, differences between fresh and mineral waters, leading up to ideas on buoyancy and density; trees, flowers, and fruits; study of growth and the effect of external conditions on life and health; bird life and habits; insects; marine life; causes of simple natural phenomena such as clouds, thunder, lightning, mists, rain, dew, hail, snow, &c.; and the very elementary chemistry and physics arising out of a study of air and water.

Music and drawing also should form integral parts of the curriculum, and not be side-tracked as extras. Considerations of space prevent a more detailed consideration of their claims.

Some indication has been given of the possibilities in a reformed method of treating various subjects, but it must be remembered in connexion with them all that a boy of preparatory-school age is an essentially *curious* animal. Such curiosity must not be suppressed by the cold hand of discouragement, which is often merely a subterfuge to conceal ignorance; but it must be stimulated. To satisfy such curiosity is a step in the right direction, but it is far better to afford such hints as may indicate how the earnest inquirer may satisfy his own curiosity for himself. This involves the exercise of the most valuable processes of co-operative work and research. These processes are applicable to all subjects, but necessitate the existence of a good reference library, laboratories, workshops, gardens, and the availability of masters with a wide range of experience and knowledge.

Such a scheme of education as here outlined is so plausible that it is worth while to pause and examine the difficulties in the way of its adoption. First, we have the question of expense: this, it must be admitted, can only be met by increased fees. In the future, staff salaries will quite justly be on a higher scale, and when to this the additional expense incurred by the necessary accessories is added, it will be seen

readily that the reformed preparatory school can never be a cheap institution.

The difficulty of finding time for the curriculum outlined can be overcome in great measure by treating education as an intellectual whole rather than as a matter of watertight compartments. Much of the instruction, for example, could well be given in French, with a corresponding economy of time. Mathematics, handicraft, science, and drawing lend themselves to a similar blending, and the teaching of English can be correlated readily with instruction in many subjects. A capable organizer will be able, by judicious dovetailing, to get far more out of the weekly programme than is the case at present. Under these new methods, too, boys will put in longer hours with less fatigue than under the old.

Thirdly, we have the objection that, in order that boys may enter the public schools, they must pass the Common Entrance Examination, and consequently must be prepared in accordance with the requirements of that syllabus. This point of view is really not worthy of serious consideration, for boys who have learnt by live methods will have sufficiently active brains to enable them to take this very elementary examination in their stride, although they may not have crammed all the requirements of the examiners in some directions and may have gone far outside them in others.

Finally, there is the argument that boys so trained would not have any chance of obtaining the valuable scholarships to the leading public schools, scholarships which involve a knowledge of Latin and Greek beyond that required even by Oxford and Cambridge Universities in their entrance examinations for boys of eighteen or nineteen. This must be admitted. A preparatory-school head master, running on these reformed lines, must be content to forgo the *kudos* and advertisement of a classical scholarship to Eton or Winchester, but he will have the satisfaction of knowing that in abolishing the process of "hot-housing" the few, he thereby avoids the sacrifice of the many.

INTERMEDIATE EDUCATION IN IRELAND.*

By J. THOMPSON.

THE reform of intermediate education in Ireland is long overdue. While in England and Scotland secondary education has proceeded on a definite plan, and Acts of Parliament were last year passed without difficulty, opening up in those countries great possibilities of development, in Ireland the Government, under pressure, have tinkered with the problem without achieving any solution or making real progress, unless it be progress to have reached a condition of confusion necessitating a clean slate and a fresh start. The Government, it may be admitted, are not altogether to blame. To tell the truth, there has been no driving-force of public opinion in favour of bringing education up to the level of modern requirements. There are dangerous lions in the path, political and religious, and a Chief Secretary, who has many other things to do, may be excused, if not forgiven, for declining to face them. But the time has come when difficulties must be met, unless secondary education in Ireland is to fall hopelessly behind that of other countries.

The recent report of the Vice-Regal Committee is an illuminating document, and ruthlessly reveals the urgency of reform. School grants are paid to schools—not different schools, but the same school—on six different and contradictory systems; schools are under regulations drawn up by three different Government Authorities—the Intermediate Board, the Department of Technical Instruction, and the Castle.

* Report of the Vice-Regal Committee on the Conditions of Service and Remuneration of Teachers in Intermediate Schools, and on the Distribution of Grants from Public Funds for Intermediate Education in Ireland. Price 6d.

Two sets of inspectors supervise the teaching, sometimes overlapping. Teachers have no security of tenure nor certainty of salary, except that it will be low, for no school knows at the beginning of the educational year what its income will be. While prices have risen 100 per cent., while civil servants, miners, railway employés, farm labourers, even primary teachers, have received bonuses or war increases, intermediate teachers have received nothing. What was a scanty wage before the War is now a mere pittance. And yet is not education, especially secondary education, one of the main pillars of the modern state?

The present intermediate system in Ireland originated in 1878, when the Board of Intermediate Education were established to administer the interest on £1,000,000 of the Irish Church Disestablishment Funds. This sum, now producing £27,500 a year, was, and is, after the payment of administration, distributed on the then generally accepted principle of "payment by results" of written examination. It was increased in 1891 by the addition of the surplus of the Local Taxation Account Funds, a sum which varied from £39,000 in 1891 to £71,000 in 1900, and dropped to £16,000 in 1910. Since then it has been fixed at £46,566. This has been paid to the schools on the same results basis. But new educational ideas began to make themselves felt about the beginning of the century. In 1899 the then Intermediate Board were constituted into a Vice-Regal Commission, which, however, took a very narrow view of their function. They considered their main object was to discover a better way of dividing among the schools the limited sum at their disposal. They had, in fact, made up their mind that a system of inspection should be introduced, and reported to that effect. They did not know, or forgot, that the teacher is the mainspring of education, and calmly waved aside the question of the qualification of teachers as outside their scope. Nor did inspection come into operation until after the lapse of several years—in 1909, and was naturally hampered by the existence of an ill-paid teaching body. How could inspection recommend sweeping improvements to half-starved schools?

About the time of the Commission a new Department was established in Ireland for Agriculture and Technical Instruction, and took over the sadly needed task of reorganizing the teaching of Science and Drawing on a modern basis. They did their share of the work of reform well—many people thought too well, for while science teaching progressed with new laboratories, inspection, and new grants on easy methods of payment on attendance plus inspection, with summer courses for teachers, and modern ideas, the teaching of other subjects, which only received payment on the old difficult method of examination, had not the same incentives to progress, and in some cases suffered grievously from the new intruders on the old time-table. But about this time the Government were becoming uneasily aware that inspection by itself was not the "Open Sesame" to a new educational world in Irish education. They began to make inquiries of their own. They brought over Messrs. Dale and Stephens from England in 1904. They wrote a sweeping report, which was pigeon-holed. Why? For their recommendations would have been an excellent foundation for reform. Echo may reply. They pointed out, what teachers have never forgotten, and never will forget, that in the year 1903 the average annual salary paid to assistant masters in seventy Intermediate Schools was £82, and to assistant mistresses in forty-seven schools £48. At length, in 1914, Mr. Birrell did two things. He obtained a new Treasury Grant of £40,000 to improve teachers' salaries, and he introduced a Bill for the Registration of Intermediate Teachers. There was nothing very heroic about this. £40,000 did not go very far, and it was accompanied by statements so contradictory that no one has ever made out whether or not Mr. Birrell intended the whole of it to go to lay assistant teachers; moreover, the £140 per annum which he prescribed as the qualifying salary for a male teacher was no great inducement to teachers to register. Yet Mr. Birrell deserves great credit, for he recognized the need of a minimum wage for qualified teachers, and he provided in registration for a definition of qualification. Since then the question of the

position of teachers has moved forward. Mr. Duke advanced the minimum to £160, and obtained from the Treasury a new grant of £50,000 as the equivalent of Mr. Fisher's increased grant to secondary education in England.

Such is the state of educational affairs at the present time. With the advent of so called reconstruction the reform of this state should be the Government's first care. Perhaps the right solution of Irish difficulties is sound reconstruction all round and fifty years' patience. But for educational reform there is need of sympathy, imagination, knowledge, and courage. Teachers require sympathy. Based upon knowledge, imagination can take a broad outlook. Courage is in any case wanted to insist on the requisite changes. There are two things which are essential in reform. First, religious difficulties must not and need not be raised. Secondly, more money is required. Ireland, it is said, receives already more than her proper proportion of Treasury grants for education. Assuming this, it is the business of the Government to allocate its fair share, which it does not at present obtain, to intermediate education. But Treasury grants in England pay only one half of the total cost of education. Is the Government prepared to impose upon Ireland a local or national rate for education to make up the necessary balance? If not, is Irish education still to be starved for want of money? If, however, the money is not forthcoming, all other changes will be but as a drop in the bucket. To attempt without increased funds to put into operation the recommendations of the Committee will result in disappointment; with the increase, these recommendations would open up a new era in Irish education. For without money no teaching profession can be built up, and without a teaching profession there is no future for intermediate education in Ireland, any more than in other countries.

The Committee's recommendations are for Irish teachers a new charter, offering to properly qualified and registered teachers a fair salary scale, reasonable security of tenure, pensions, and freedom in their work. Without these, the labouring of the Committee will end in the proverbial mouse, but with them the other reforms become extremely important. They may be briefly summarized thus: the unification of primary, intermediate, and technical education under an Irish Minister of Education, and the consequent co-ordination of these three branches of instruction; the simplification of the present system of grants by abolishing payment by results, and substituting payment by capitation, with a due place for inspection and examination; the introduction of an intermediate and of a leaving certificate examination on a broad and liberal syllabus; the due safeguarding of small schools; and the erection of a proper educational ladder. In a word, the Committee have reported in favour of a true teaching profession and increased freedom for the schools.

CORRESPONDENCE.

THE EDUCATION OF THE IMAGINATION.

To the Editors of The Journal of Education and School World.

DEAR SIRs,—May I direct the attention of your readers to a pioneer movement for the education of imagination which has been initiated at Howell's School, Denbigh? The musical teaching throughout the school has attained a very high level, as the exploits of the school orchestra show; but its distinctive feature is a something beyond mere excellence of execution—a kind of mystical tone which underlies both teaching and learning.

This quality was put to the test during the term just concluded, by means of a competition, in which the five pieces selected for competitive execution in the different grades, were offered also to every pupil for "translation" into prose or verse or into pictorial form. In the interests of psychology and of the education of the imagination, the results obtained will merit careful analysis and scientific tabulation; but a summary appreciation by an ear- and eye-witness may not be out of place. The musical themes, beginning with that set for execution (piano and violin) by the most junior group were as follows:—

Grade V: Waltz, by Earnshaw.
Grade IV: Siciliano, by Schumann.
Grade III: Pierrot, by Beringer.
Grade II: Scherzo, by Beethoven.
Grade I: Fantasia, by Mendelssohn.

Perhaps the first thing to note is the comparative popularity of the five pieces selected for interpretation into literary or pictorial form. The Schumann produced scarcely any results at all; the two most popular themes (*i.e.* those that evoked most numerous contributions, literary and pictorial) were those of Earnshaw and Mendelssohn—the simplest and the most difficult. The best literary results, whether in prose or in verse, were stimulated by Earnshaw, Mendelssohn, and Beringer (in that order), and the best pictorial results by Mendelssohn, Beringer, and Beethoven.

The next point, and one that speaks well for the school where the experiment was made, is the distribution of results through every Form. There was only one Form that did not contribute a prize winner; there was not one that did not show up some work of real merit. The work of the Sixth Form was extremely good, while the Second (lowest) Form furnished results above the average. But the most prolific groups lay between these two; and herein lies, it may be, the most important lesson for psychology and for education.

The old-fashioned curriculum, embodying a rigid and exclusive tradition of classics and mathematics, failed, as we are all now aware, to tap the energies and capacities of pupils whose mental build did not conform to the procrustean system then known as "education." There was a constant tendency to tilt up, say, in the Fourth or Lower Fifth, lusty material which the conventional current of instruction could carry no further: and only gradually did those concerned begin to realize that out of this scholastic "rubbish heap" precious treasures were apt to emerge, slowly but surely, in after life.

Hence came the great man of science and inventor—labelled a dunce in his happy school days—the gifted musician, the talented artist; the soul which, though it could not express itself in the ways then considered essential, was longing to find itself in a more intimate and intuitive communion with Nature, or itching to let out pent up vitality at its "fingers' ends" by nimble and imaginative craftsmanship.

The experiment to which we have been referring seems to corroborate the conclusion of all recent educational experience, namely, that in those whilom backwaters of school life—in the Forms which in earlier Victorian days were regarded as "hopeless," and later received a grudging homage as supplying, at any rate, a large percentage of muscle and athletic prowess—there are apt to lurk varied gifts, comparatively unresponsive to the conventional tests of classics and mathematics, but only waiting for the appropriate stimuli to reveal themselves and "come to their own." For the experiment at Denbigh, so far as its results can be relied on, seems to have drawn out the products of imagination (particularly on the pictorial side) most prolifically from the group in question, while next in order come their neighbours, the budding scholars and mathematicians—minds normally supple and alert, but not yet scholastically mature. LONSDALE RAGG.

A HOLIDAY COURSE IN SPAIN.

To the Editors of The Journal of Education and School World.

SIRs,—Will you allow me to make known to your readers who may be studying, or wish to study, Spanish that the University of Toulouse is about to recommence its Holiday Courses, and that the course this year will be held at Burgos, beginning on August 1. No better place could have been chosen. Burgos enjoys an excellent summer climate; the city itself has much intrinsic interest, and the environs, to which excursions will be organized, are particularly attractive. To those who know the enthusiasm and organizing ability of the Director, Prof. MÉRIMÉE, as well as his European reputation as a Spanish scholar, it will be needless to say more.

I should be very glad, after the end of this month, to give further information to any who would write to me at 24 Beaufort Road, Kingston-on-Thames. I may add that I have no personal motives for calling attention to the course, but, being at present engaged in Madrid in investigating facilities for advancing the study of Spanish in England through interrelation, have had the advantage of learning much about it from Prof. MÉRIMÉE, and of examining the important work which he is directing here in connexion with the Institut Français.—I am, Sirs, &c.,

E. ALLISON PEERS,

Hon. Sec. Modern Language Research Association.

Calle Rafael Calvo 1, Madrid.

April 7, 1919.

THE SECONDARY, TECHNICAL, AND UNIVERSITY TEACHERS' INSURANCE SOCIETY.

To the Editors of *The Journal of Education and School World*.

DEAR SIRS,—May we ask the favour of space in your columns to inform those of your readers who are under the regulations of the National Health Insurance Act that, now the new Superannuation Act has come into force, they can retain their membership in their approved societies by becoming voluntary contributors. Even those members who are in receipt of a salary exceeding £160 per annum can, if qualified by two years' membership, remain eligible for sickness or disablement benefits by payment of reduced weekly contributions. We would strongly urge your readers to write to their societies for full details.

It will be of interest to many insured persons to know that the valuation of societies will be shortly undertaken by the Commissioners, and the Secondary, Technical, and University Teachers' Insurance Society then expects to be in a position to offer additional benefits. Wishing to help its members as much as possible, the S.T.U.T.I.S. has a limited number of letters for the benefits of the Royal Surgical Aid Society, whereby members, under certain regulations, may obtain surgical appliances free, or at reduced charges.

—Yours faithfully,

J. D. McCURE, Chairman.

HENRIETTA BUSK, Vice-Chairman.

UNIVERSITIES AND SCHOOLS.

UNIVERSITY NOTES.

A movement is on foot for the formation of a new University for the South-west of England. The present idea appears to be the establishment of the nucleus of such a University by the combination of a first-rate centre for technical studies at Plymouth with the college at Exeter. The need has been felt for years, but the movement is now receiving a powerful backing and is more assured of success. There is little doubt but that the increasing demand for University education will not merely justify the establishment of these local Universities, but make them an absolute necessity. As the connexion between the secondary education of the districts in which they will be formed and the work done by the University colleges and institutions will be close, it follows that their influence on secondary schools will be anxiously watched. Since the schools and the colleges will be to a large extent interdependent, there should be a continuity of secondary and University education which has been impossible in the past between the older Universities and the more numerous and widely scattered schools from which they, in the main, drew their pupils.

The University of Bristol have decided to include a certain amount of business training in the syllabus for the B.Sc. degree. The action of the University is to be welcomed, for it thus falls into line with the many secondary schools which provide elementary instruction in economics, and its action will encourage other schools also to modify their curriculum in that direction.

The Oxford and Cambridge Schools Examination Board have announced several changes in their regulations. It will not be necessary at present for candidates to offer both Mathematics and Science in Group III, and, further, it should be noted that the schedules themselves in these subjects are under revision. An increased charge will be made to schools which require papers specially set for them.

The University of Leeds have appointed the following representatives on Education Authorities:—East Riding Education Committee, Prof. Crowther and the Hon. E. F. L. Wood; North Riding, Prof. Moorman; the Governing Body of the Drax School, the Rev. W. Seed; Giggleswick Grammar School, Prof. Grant; Harrogate Secondary School, Miss Robertson; Pontefract Girls' High School, Miss Irons; Settle Girls' High School, Miss Cooke.

The Convocation of the University of Manchester are appealing to their graduates who have not already registered as Parliamentary voters to do so without delay. The fee is five shillings, and the Registrar is Dr. Norman Smith, The University, Manchester. In the case of this, as of all other Universities, the number of graduates who have taken advantage of the privileges conferred upon them by the Representation of the People Act is disappointingly small. Teachers, who form a large proportion of these graduates, should register and so be in a position to secure the election of members who can claim to have a real knowledge of the many educational problems which are now awaiting solution.

One result of the War has been an increase in the number of modern languages taught throughout the country. The difficulty, however, is to find a sufficient number of teachers competent to give the required instruction. Recognizing this, the authorities of London University have instituted special examinations in Italian, Russian, and Spanish. They are intended for teachers who desire to obtain certificates to prove their knowledge of the languages they propose to teach, and will be held towards the close of the approaching summer term.

WALES.

An important meeting of the University Court was held at Newport on April 3, when Lord Kenyon, the Senior Deputy-Chancellor, presided. The chief purpose of the Court was to discuss the statement which had been prepared for the Prime Minister, setting forth the scheme of reorganization of the University on the lines laid down by the Report of the Royal Commission. The scheme follows in the main the recommendations of the Commission, and where it differs it is only in comparatively minor details, which do not affect the main principle. In two points, however, the scheme traverses the proposals of the Royal Commission—namely, the organization and control of the School of Medicine and the position of the Secretary of the University Council. The Court also approved of an increase of the number of members of the Court from 213 to 230, due mainly to the larger representation assigned to the County Councils. In this way the Councils have secured an absolute majority on the Court, apart from co-opted members, this being the condition on which they were prepared to give increased financial aid to the University. The Court reiterated its opinion that the School of Medicine should continue to preserve its organic connexion with the Cardiff University College, and this view has been supported with great unanimity by academic and representative opinion in Wales. As regards the Secretaryship of the University Council, there is a divergence of opinion between the Standing Executive Committee and the Local Education Authorities; the former recommend that the officer should be responsible to the Registrar, whereas the latter believe that he should be an independent official, in view of the increased financial work with which he will have to cope, and after a discussion the Court supported the proposals of the Local Authorities and the Royal Commission.

The question of facilities for agricultural education loomed very large in the discussion, as there was a diversity of opinion as to the wisdom of a recommendation of the Executive Committee that only one post-graduate department should be established. Mr. J. H. Davies, the Registrar of the University College, Aberystwyth, was in favour of the proposal, and urged the Court to adopt it without delay, but this was opposed chiefly by the friends of Bangor College, where the other department in agriculture is located, and as the Court seemed to be fairly evenly divided in opinion, it was ultimately agreed, on the motion of Principal Trow, to postpone the discussion. At the Court the problem seemed to be very imperfectly understood, and therefore, rather than commit an error which would be difficult to rectify later, it was undoubtedly wiser to defer the further consideration of the matter.

The financial aspect of the scheme created a good deal of discussion. Sir Isambard Owen pointed out that, as the estimates were drawn up in 1916, they were in many respects out of date and that the suggested scale of salaries for professors and lecturers was inadequate, and compared unfavourably with the salaries paid in English University colleges. The three colleges had drawn up provisional estimates of their requirements, though they were careful to say that they should be regarded simply as an indication of their needs in the future, and should not be interpreted as the full extent to which they would call upon the reconstituted University for funds. The estimates were: For Aberystwyth, £33,775; Bangor, £27,063; Cardiff, £31,495; and for Swansea, £26,725. The whole question was further considered by a Special Committee, and it is now calculated that a grant approximating to £150,000, rather than to the original estimate of £100,000, will be needed in order to place the University on a sound basis. The above estimate does not include the sum of £6,300 required for the Board of Celtic Studies, nor for the proposed Agricultural Research Department.

Mr. Tom John was appointed Treasurer, in succession to the late Sir J. Hills-Johnes, V.C.

A well attended meeting of the Association of Head Masters and Head Mistresses of Welsh Secondary Schools was held at Shrewsbury on March 28, under the presidency of Mr. A. Lyon (Hawarden School). There were papers of general

Welsh County
Schools
Association.

educational interest read, bearing chiefly on the new situation created by the Education Act in Wales. Mr. Rhys Morgan (Pontypridd) dealt with the problem of the middle schools in Glamorgan, pointing out the difficulties and the dangers which their establishment would in all probability create, though the Association recognized the complexity of the problem which this Authority has to face in view of the large number of children in the county between the ages of twelve and sixteen. Other matters discussed were salaries and pensions, and in relation to the former, it was resolved that a strong effort should be made to induce Local Authorities to put into force without delay the scales recommended by the Departmental Committee. Throughout the Principality the present scales are grossly inadequate, and in only one or two of the larger areas, such as Swansea and Cardiff, has there been any serious attempt to place the assistant masters and mistresses on a satisfactory financial scale. We understand that the views of the Association are likely to bear fruit in several counties. The Association has always been very chary of expressing any opinion on the question of the salaries of its own members, but it was felt that it would be impolitic not to do so now, when we are on the eve of a change in our educational system; and it was agreed that no Head should be paid less than £600, which is not an extravagant amount when compared with that paid to the assistant staff, and taking into account the present value of money. Part of one session was devoted to a discussion of the schedule and syllabuses of the Central Welsh Board Examination. These have been recast and sifted so often that we may hope that at last something like finality has been reached, for, after all, they are simply the instruments of education.

General regret was expressed that Dr. Walford Davies, the Musical Director for Wales, was unable through illness to attend to deliver an address.

The experts who were appointed to report to the Privy Council

Swansea Technical College.

on the status of this College have submitted their report. It contains interesting recommendations as to the steps which the College should take in order that recognition as a Constituent College should be accorded to it. The requirements laid down as to buildings and staff are drastic and will entail the outlay of much money, but the local enthusiasm for the scheme is so marked that no doubt they will be met before long. The proposal that the local Training College should be converted into the Arts Section is favourably received by Sir Gregory Foster and Mr. P. E. Matheson, but they are of opinion that the first suggestions as to the provision of teaching in literary subjects are not adequate, and in their opinion a full course should be instituted. The University Court, before which the report was considered, were not satisfied with the recommendation of the above Commissioners on the study of Celtic, and it resolved, on the motion of Prof. Lloyd (Bangor), that in the new college there should be adequate provision for teaching the Welsh language, literature, and history. As Swansea is predominantly Welsh, the wisdom of this is apparent. With this reservation, the Court sent on the report to the Privy Council, with an expression of opinion that the Council should give the petition favourable consideration, and there is no doubt that this will be granted.

The Senate of the University have been considering the Board

Advanced Courses.

of Education's scheme of advanced courses, and have passed a series of resolutions expressing disapproval of them. They follow the usual lines of criticism—the bad effect upon *esprit de corps* in schools not recognized, the difficulty of securing the advantages of an advanced course in the smaller rural schools, the predominance of science and mathematics, and the consequent “disastrous effect of this upon linguistic and literary studies, not only in the schools but also in the University.” The Senate therefore think “that the raising of secondary education to a higher level depends upon obtaining the services of well qualified and efficient teachers, irrespective of the size of the school, but think that other methods than those suggested by the Board could be devised to make it advantageous to governing bodies to pay adequate salaries to such teachers.” The resolution, however, strikes one as rather futile, because the crux of the position is the finding of “other methods” of paying adequate salaries, and if the Senate had given some guidance on this point instead of indulging in vague generalities the resolution would have been more helpful than in its present form.

A most useful pamphlet, in the familiar red cover, has been issued by the Welsh Department as a guide to Local Authorities in the preparation of schemes under the Education Act. In accordance with a recent practice of the Department, it is published

The Board of Education and Schemes.

in English and Welsh, so that its appeal may be to a wider public. The suggestions are interesting as an indication of the extent of the activities which the schools of the future may be expected to embark upon. In addition to the usual type of school and curriculum, for example, the Board would welcome in the new schemes provision for teaching an enlightened patriotism, and for the inculcation of temperance, because in Wales public opinion is already ripe and the country is prepared for definite proposals. The pamphlet also contains a summary of the scope of the new Act, so that no Authority can plead ignorance of its powers or its duties, and the hope is expressed that the new schemes will be such as to inspire the public and to secure the sympathy and support necessary for carrying out a far-reaching system of educational facilities. The Board have several important recommendations to make as to the position of continuation schools in the educational system of the country, and they emphasize the fact that no strict uniformity in the provision of buildings or curriculum is necessary, and they also express anxiety lest the new schools should in any way injure the excellent intermediate and secondary schools. In fact, no injury is anticipated. In an appendix, full details for the construction of new schemes is given. No official or member of an Education Committee should be without a copy of this essentially practical booklet.

Two prominent head masters of Welsh intermediate schools are resigning their posts at the end of the next term—Mr. W. Glyne Williams, of the Friars' School, Bangor, and Mr. Roger W. Jones, of Pengam School. They have both been presidents of the Welsh County Schools Association.

At the last Court, Alderman Hopkin Morgan, Mr. Frank P. Dodd (Wrexham), and Dr. Vaughan Thomas (Swansea) were elected to represent the University on the National Council of Music.

SCOTLAND.

Sir Douglas Haig is to visit St. Andrews about the middle of May, when he will be installed as Lord Rector of the University.

An anonymous donor has given £10,000 to the University for the endowment of a lectureship in Orthopaedics.

The Edinburgh and Leith Chambers of Commerce, the Merchant Company, the Leith Ship-owners' Society, the Society of Accountants, and the Institute of Bankers have raised £15,000 by subscription for the foundation of a Chair of Accounting and Business Method, and the University Court have drafted an Ordinance for the foundation of the Chair. Draft Ordinances have also been prepared for the foundation of Chairs of Psychiatry, Forestry, and Zoology. The University Court have resolved to institute, in the academic year 1919–20, qualifying courses in Italian, Spanish, and Russian, and has appointed Mr. Sanin Capo to be Lecturer in Spanish for five years from October 1, 1919. Dr. A. E. Sprague has been appointed University Lecturer in Actuarial Science, and Dr. Drever Coombe has been appointed Lecturer in Psychology for five years from October 1. Owing to pressure of work, Prof. Sir Ludovic Grant has resigned the office of Secretary of the University. The University Court have approved a syllabus of courses available for American soldiers and overseas students in the summer term, and also a scheme of courses suitable for demobilized men who intend to settle in the Colonies.

Owing to the urgent need for more buildings, especially for new laboratories, in certain of the science departments, the University are making arrangements to secure a site of 100 acres on the outskirts of the city. The number of students who have entered the University since the beginning of the present academic year is over a thousand more than at the corresponding period of last year, and is now only about 250 short of the pre-war standard. The enrolment includes more than 50 men from Canada and about 160 men of the United States Army.

The Senate have resolved to confer a large number of honorary degrees. Among those who are to receive the degree of D.D. are Sir Robert Falconer, K.C.M.G., President of the University of Toronto; Prof. Ronald G. Macintyre, St. Andrew's College, Sydney; the Rev. A. M. Maclean, B.D., C.M.G., The Abbey, Paisley; the Rev. J. Ross Stevenson, D.D., President of Princeton Theological Seminary; the Rev. Canon B. Hillman Streeter, Queen's College, Oxford; and the Very Rev. John Skinner Wilson, formerly Dean of the Edinburgh Diocese of the Scottish Episcopal Church. Those who are to receive the degree of LL.D. include President Wilson; Sir David Beatty; Sir Douglas Haig; Mr. Cyril E. Ashford, C.B., Royal Naval College, Dartmouth; the Rev. Andrew Cameron, Chancellor of Otago University, New

(Continued on page 296.)

PUBLISHED BY MACMILLAN & CO., Ltd.**W. & A. K. JOHNSTON'S PUBLICATIONS.****For Lower Forms of Secondary Schools.****EDINA JUNIOR HISTORIES.**

Written on the Most Modern Approved Methods.

Books I and II, **1s. 4d.** net each.*Now Ready.*

- Book 1. **The Age of Settlement** B.C. 55—A.D. 1154.
 " 2. **The Age of Chivalry** A.D. 1154—A.D. 1485.

Ready Shortly.

- Book 3. **The Age of Discovery** A.D. 1485—A.D. 1603.
 " 4. **The Age of Strife** A.D. 1603—A.D. 1713.
 " 5. **The Age of Empire Building** A.D. 1713—A.D. 1815.
 " 6. **The Age of Democracy** A.D. 1815—A.D. 1915.

ATLAS GEOGRAPHIES.

A Physical Geography. Covering the work required for the Oxford and Cambridge Locals and other University Examinations. Illustrated by 11 Maps and 85 Diagrams. **2s. 6d.** net.

Junior Atlas Geography of the World. Containing *Orographical, Transparent Route and Climatic Maps, and Maps showing Distribution of Vegetation, Minerals, Manufactures, Population and Political Divisions.* **4s.** net.

*In following Parts:—***9d.** net; Limp Cloth, **1s.** net.

British Isles
Europe
Asia
Africa
Australasia
North America
South America
India

Special Maps illustrating *Surface Routes, Climatic Vegetation, Mineral Productions, Manufactures, Distribution of Population, and Political Divisions.*

Practical Exercises are set at the end of each Section.

British Empire Beyond the Seas. Limp Cloth, **1s.** net. Sewed, **9d.** net. Index and Cloth Boards, **1s. 4d.** net.

For Upper Forms of Secondary Schools and University Students.

Atlas Senior Geographies. **2s. 6d.** net each.

Now Ready.

British Isles
Asia
Africa

Each Chapter is illustrated with *Special Orographical, Transparent Route and Economic and Political Maps* of the natural region to be studied.

*Ready Shortly.***SENIOR GEOGRAPHY OF EUROPE.****Senior Geography—Mediterranean Lands.**

Subject Matter and Maps brought quite up to date. Orographical, Transparent Route and Economic and Political Maps of each natural region.

Commercial Atlas Geography. 2nd Edition. **8s. 6d.** net.

Practical Geography Notebooks. 40 quarto pages. Sewed, **6d.** net.

British Isles
Europe
Asia
Africa
Australasia
North America
South America
British Empire
Physical

Each Notebook contains:

- 4 *Contour Maps.*
 8 *Blank Outline Regional Maps.*
 4 *Climatic Maps.*
Squared Paper for Sections, Graphs, &c.
Ruled Paper for Written Exercises.
Practical Exercises on World Position, Size, Relief Routes, Climate, Vegetation, Animals, Minerals, Manufactures, Commerce, Distribution of Population, Political Divisions.

For Preparatory Forms.

Earth Lore.—24 illustrated lessons in simple Physical Geography, together with numerous practical exercises. **9d.** net. Limp Cloth, **1s.** net.

The World and Its Peoples.—23 illustrated lessons in Human Geography. Showing the influence of natural features upon the distribution of Products and man's occupations in different parts of the world. **8d.** net. Limp Cloth, **10d.** net.

Vol. II. Just Published.

A History of the French Novel. (To the Close of the 19th Century.) By GEORGE SAINTSBURY, M.A., Hon. D.Litt. Oxon, Fellow of the British Academy. Vol. II. From 1800–1900. **18s.** net.

Botany of the Living Plant. By F. O. BOWER, Sc.D., F.R.S., Regius Professor of Botany in the University of Glasgow. With 447 Figures. **25s.** net.

A Manual of Machine Design. By FRANK CASTLE, M.I.Mech.E. **7s. 6d.**

Elementary Mensuration, Constructive Plane Geometry and Numerical Trigonometry. By P. GOYEN, author of "Advanced Arithmetic," "Principles of English Composition," &c. **3s. 6d.**

Elementary Chemistry of Agriculture. By S. ALLINSON WOODHEAD, M.Sc., F.I.C. Illustrated. **3s. 6d.**

A Geography of America. By T. ALFORD SMITH, B.A. (Lond.), F.R.G.S. Senior Geography Master, St. Dunstan's College, Catford. With over 100 Maps and Illustrations. **4s. 6d.**
 [Macmillan's Practical Modern Geographies.]

English Literature for Secondary Schools.

NEW VOLUMES.

Sir Philip Sidney's Defence of Poesy. Edited by DOROTHY M. MACARDLE, B.A. Sewed. **1s. 3d.**

Ruskin. The Crown of Wild Olive. Three Lectures on Industry and War. Edited for Schools by J. H. FOWLER. Sewed. **1s. 3d.**

Eliot. Silas Marner. Abridged for Schools by MAY COPSEY, B.A. Sewed. **1s. 6d.**

Dickens. David Copperfield. Abridged and Edited for Schools by H. A. TREBLE, M.A. Illustrated. Sewed. **1s. 3d.**

Hindu Tales from the Sanskrit. Translated by S. M. MITRA. Adapted by Mrs. ARTHUR BELL. Sewed. **1s. 6d.**

Lay's Pupil's Class-book of English Composition. By ED. J. S. LAY, author of "The Pupil's Class-books of Geography, History, The Vegetable Garden," &c. Book I (for children of 9 to 10). Illustrated. **1s.**

The Principles of Oitizenship. By Sir HENRY JONES, M.A., D.Lit. **3s. 6d.** net.

The Times Educational Supplement.—"The book is to be commended as a most useful manual, especially for these times of great social movement."

The History of Europe from 1862 to 1914. From the Accession of Bismarck to the Outbreak of the Great War. By Lieut.-Colonel L. H. HOLT and Captain A. W. CHILTON, of the United States Army. With Maps. **14s.** net.

History of the Civil War, 1861-1865. By Dr. JAMES FORD RHODES. With Maps. **12s. 6d.** net.

MACMILLAN & CO., Ltd., ST. MARTIN'S STREET, LONDON, W.C. 2.

Zealand; Mr. Gerald L. Crole, Sheriff of the Lothians; Emeritus Prof. Sir Thomas R. Fraser; Mr. Alfred Harker, St. John's College, Cambridge; Lord Leverhulme; Mr. W. D. McKay, R.S.A.; Sir Thomas Mackenzie, High Commissioner for New Zealand; Sir William McCormick; Sir John L. MacLeod, Lord Provost of Edinburgh; Major-General Sir W. G. Macpherson, K.C.M.G.; Cardinal Mercier; Prof. Rutherford Morison, Durham University; Mr. Robert Munro, M.P., Secretary for Scotland; Prof. D. Noël Paton, Glasgow University; Emeritus Prof. Patrick, Edinburgh; Brigadier-General Arthur E. Ross, Director of Canadian Medical Service, France; Prof. Saintsbury; Prof. Alexander Smith, Columbia University, New Zealand; Sir Robert P. Wright, Chairman of Scottish Board of Agriculture; and Mr. Justice Younger.

Education Authorities.

In the elections on April 4 and 11 only about a quarter of the electorate voted. In the large centres the Roman Catholic vote was well organized, and it gave some support to Labour candidates, but many of the former Labour members of School Boards failed to secure seats. Among the successful candidates clergymen were numerous. Most of the University Professors and the best members of the Boards were elected, but the number of women who were successful seemed fewer than it ought to have been. The Education Authorities come into power on May 16, and the Education Department has issued a circular giving information and advice as to the immediate duties of the new Authorities, including the appointment of a whole-time expert executive officer for each Authority; the constitution of School Managements Committees, the territorial spheres of which the Authorities are free to delimit on the sole principle of administrative convenience; the preparation of a scheme for bursaries to facilitate attendance at secondary schools and other institutions, and also of a scheme of scales of salaries for the teachers employed by the Authority, satisfying such conditions as to minimum national scales of salaries as may be laid down by the Department, after consultation with representatives of the Education Authorities and of the teaching profession; the making of an educational survey designed to give full information as to the extent and character of the school staff and accommodation available within their district, and as to the further provision necessary owing to the raising of the school age from fourteen to fifteen; the establishment of an Advisory Council, consisting of persons qualified to represent the views of those bodies interested in education for the purpose of advising the authority on matters of educational interest relating to the education area; the preparing of financial estimates, which for next year must be to some extent speculative; and the making of a scheme for the adequate provision, throughout each education area of the authority, of all forms of primary, intermediate, and secondary education in day schools, the existing organization being in the meantime accepted as satisfactory on the understanding that no marked departure from the curriculum already approved for any school is to be made without previous consultation with the inspector for the district.

As regards the bursary scheme, it is proposed to tide over the present emergency by adopting the schemes of the Secondary Education Committees for each district. The salaries scheme being, especially in the case of the counties, probably the most immediately pressing of all the duties of the Authorities, it is proposed to form an association of education authorities, to communicate with the Department on the institution of a minimum national scale and on other points where an exchange of views would be helpful. One of the important duties of the Advisory Council will be to investigate the continuation class problem. As regards finance, it is impossible at this stage to make any definite statement as to the amount of aid that will be available from the Exchequer; but the new authorities may confidently reckon on receiving this year in grants from the Department not less than 50 per cent. of their approved expenditure.

IRELAND.

In the debate on Irish affairs early in April in the House of Commons, the Chief Secretary dealt first with the reconstruction problem and then with general Irish policy. In reconstruction, he discussed first Irish education, and said that he approached the question with the greatest possible sympathy. He would like to see education in Ireland on the same footing as in England and Scotland, and during his own tenure of office to have someone in the House genuinely and really responsible for all Irish education. The two admirable reports on primary and intermediate education he proposed to refer to a Departmental Committee of experts, with a view to see what proposals could be embodied in a Bill. He brought forward two main points: first, whether a central authority represented in the

House of Commons was not desirable to co-ordinate the three distinct systems of education in Ireland—primary, intermediate, and technical; and, secondly, whether any rate should be levied for purely educational purposes, and whether the rate should be a national or a county one. More money was necessary, as it was not to be expected that education could be given in any country if teachers were poorly paid.

Dr. Starkie, speaking at a public meeting in Belfast under the auspices of the Ireland Branch of the Incorporated Association of Assistant Masters, dealt in detail with the reports, and declared that on secondary education to be a very remarkable document. He himself was in favour of a central authority for education in Ireland, with a Minister responsible to Parliament, and also some form of central body and secretaries instead of the present overlapping and interference between different Boards. The payment of secondary school teachers was a discredit to the Government and the nation, but secondary education could only be made permanently efficient by a national rate. The National Board had unanimously resolved to support the recommendation of the Primary Education Commission. He, in conclusion, advised teachers and the public to concentrate on the reports of the Commission and secure the undoubted advantages they would bring to secondary and primary education.

The Department of Agriculture and Technical Instruction have issued their programme of Summer Courses of Instruction for Teachers for the present year. These will begin on July 1 and close on July 25 except that for Rural Science (including School Gardening), which will begin on August 5 and close on August 29.

The National University and the Queen's University of Belfast are offering the degree of Ph.D. to Americans and Colonial students who are willing to do sufficiently advanced courses. Trinity College is offering the degrees of M.Sc. and M.Lit. and D.Sc. and D.Lit. In all cases the student must have two years' study and research under the guidance of a University professor, and must present a thesis on the subject studied.

SCHOOLS.

OXFORD: SOMERVILLE COLLEGE.—The following elections have been made to scholarships and exhibitions at the College:—Mary Ewart Scholarship of £80 for three years: May McKisack, Bedford Girls' High School for History. Clothworkers' Scholarship of £50 for three years: Amy M. Dale, Central Secondary School, Sheffield, for Classics. College Scholarship of £40 for three years: Mary de Selincourt, Edgbaston High School, for French. Exhibition of £30 for three years: Gwyneth Lloyd Thomas, King Edward's High School, Birmingham, for English. Exhibition of £20 for three years: M. E. Parker, St. Paul's Girls' School, for English.

OXFORD: LADY MARGARET HALL.—E. K. E. Gipps, Blackheath High School, a Jephson Scholarship of £70 (history); M. C. Galpin, Sherborne School for Girls, a scholarship of £50 (English); C. C. J. F. Rudd, Winchester School for Girls, a scholarship of £40 (classics); F. K. Noad, The Lodge School, Binstead, an exhibition of £20 (French); T. S. B. Hony, Mortimer House School, Clifton, an exhibition of £20 (theology).

OXFORD: ST. HUGH'S COLLEGE.—The following scholarships have been awarded:—E. M. Strong, Moorfield, Plymouth, the "Old Students'" Scholarship of £35 (English); D. Rogers, Clifton High School, a scholarship of £25 (history); G. M. Sharpe, Ladies' College, Cheltenham, an exhibition of £20 (mathematics); V. E. Miskin, High School, Bournemouth, an honorary exhibition (history).

ST. BEES SCHOOL.—The following Entrance Scholarship recommendations have been made:—(A) Foundation Scholarships, £55 (open): H. L. Foulkes-Roberts (Mr. R. M. Hugh-Jones, Colet House, Rhyll); E. G. Briggs (Mr. A. H. Raikes, The Old College, Windermere); B. X. Jessop (Mr. G. S. Smart, Corchester Prep. School, Corbridge); H. M. M. H. Irving (Mr. F. C. Carter, New College School, Oxford). (B) Cumberland and Westmorland: J. N. Warren (Mr. W. Snow, The Craig, Windermere); J. C. Maxwell (St. Bees School). (A) Junior Scholarships, £21 (open): J. H. Stephens (Mr. A. G. Grenfell, Mostyn House, Parkgate); F. G. Dady and A. T. Weatherhead (St. Bees School). (B) Close: A. B. Kettle (St. Bees School).

OAKHAM SCHOOL.—The following candidates have been elected to open scholarships: R. S. Ryley (Mr. Gray, Oxted, Surrey); G. O. Brooks (Mr. F. A. B. Fletcher, Aberdovey); D. R. Ridgett, Oakham School.

University Correspondence College

(FOUNDED IN 1887.)

Principal: WM. BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.



LONDON UNIVERSITY DEGREES.

During the last Fifteen Years

6940

Univ. Corr. Coll. Students

have passed the

INTERMEDIATE & DEGREE

Examinations of

London University

in addition to gaining

5207

SUCCESSES AT MATRICULATION

And Numerous Successes at other Examinations Exempting
from Matriculation.

A Short Guide

to London University, giving Full Particulars of Courses and
Fees, post free to **Private Students**, from—

THE SECRETARY,
No. 14 BURLINGTON HOUSE, CAMBRIDGE.

GALT'S for School Prizes.

Leading House in the North for
books in Tree Calf, Full Calf,
Sheepskin, Half Calf, Paste Grain, &c.

*Quality and Finish Guaranteed.
Inspection Invited.*

**JAMES GALT & CO., Ltd.,
27 JOHN DALTON STREET,
MANCHESTER.**

J.A.T. IN "NATURE"
writes of

THE GREAT WAR BRINGS IT HOME,

THE NATURAL RECONSTRUCTION
OF AN UNNATURAL EXISTENCE,

Written and Illustrated by
JOHN HARGRAVE (White Fox), Price 10s. 6d. net,
as follows—

"The book is full of the true eugenist enthusiasm, and of valuable suggestions for making much of outdoor life and Nature's school. It expresses the boy scout's idea raised to a higher power."

"The Great War Brings It Home" is published by
Constable & Co., Ltd., London.

BOOKS OF THE MONTH.

Classics.

- Latin Epigraphy: An Introduction to the Study of Latin Inscriptions. By Sir J. Edwin Sandys. *Cambridge University Press*. Price 12s. 6d. net.
- The Death of Turnus: Observations on the Twelfth Book of the Aeneid. By Dr. W. Warde Fowler. *Blackwell*. Price 6s. net.

Education.

- Education: Secondary and University. A Report of Conferences between the Council for Humanistic Studies and the Conjoint Board of Scientific Societies. By Frederic G. Kenyon. *Murray*. Price 1s. net.
- The Educational Ideas of Pestalozzi and Froebel. New Edition. By Dr. F. H. Hayward. *Russell*. Price 2s. 6d. net.
- Educational Tests and Measurements. By Prof. W. S. Monroe. Assisted by Prof. J. C. Devoss and Dr. F. J. Kelly. *Constable*. Price 6s. net.
- Progress of Education in India, 1912-1917. Vol. II: Appendices and Tables. By H. Sharp. India: *Government Printing Office*. Price Rs. 2 (or 3s.).
- "After-the-War" Papers.—No. 6: Education. What good is it, and how can I get it? By the Rev. K. E. Kirk. *S.P.C.K.* Price 2d. net.
- The Principles of Citizenship. By Sir Henry Jones. *Macmillan*. Price 3s. 6d. net.

English.

- The Years Between. By Rudyard Kipling. *Methuen*. Price 7s. 6d. net.
- To-day's Short Stories Analysed. By R. W. Neal. *Oxford University Press*. Price 8s. 6d. net.
- Sir Philip Sidney's Defence of Poesy. Edited by Dorothy M. Macardle. *Macmillan*. Price 1s. 3d.
- Book Ways: An Introduction to the Study of English Literature. New Edition. By Edith Kimpton. *Russell*. Price 3s. net.
- Tradition and Change: Studies in Contemporary Literature. By Arthur Waugh. *Chapman & Hall*. Price 7s. 6d. net.
- The Crown of Wild Olive. By John Ruskin. Edited for Schools by J. H. Fowler. *Macmillan*. Price 1s. 3d.
- A History of American Literature. Edited by Profs. W. P. Trent, John Erskine, Stuart P. Sherman, and Dr. Carl Van Doren. Supplementary to the Cambridge History of English Literature. Vol. I, price 17s. 6d.; Vol. II, price 17s. 6d. net.
- College Composition. By Prof. C. S. Baldwin. *Longmans*. Price 6s. net.
- Composition and Literature. Second Edition. By Eugene R. Musgrove. *Longmans*. Price 6s.
- Silas Marner. By George Eliot. Abridged for Schools by May Copsey. *Macmillan*. Price 1s. 6d.
- Jinglz and Storiz in Simplifyd Speling. *Simplifyd Speling Society*. Price 6d. net.
- Tales by Washington Irving. Selected and Edited, with an Introduction, by Carl van Doren. *Milford*. Price 3s. 6d. net.
- Selections from James Boswell's Life of Samuel Johnson. Chosen and Edited by R. W. Chapman. *Clarendon Press*. Price 3s. 6d. net.

Geography.

- The Human Geographies. Book I: Children Far Away. By Ernest Young. Price 1s. 6d. Book II: Homes Far Away. By Ernest Young. Price 1s. 6d. Book III: The British Isles. By J. Fairgrieve and Ernest Young. Price 1s. 9d. *Philip*.

History.

- The Collected Historical Works of Sir Francis Palgrave, K.H. Edited by his son, Sir R. H. Inglis Palgrave. Vol. I: The History of Normandy and of England. Vol. II: The History of Normandy and of England. *Cambridge University Press*. Price 30s. net each.
- History of Modern France, 1815-1915. By Emile Bourgeois. In two volumes. Vol. I, 1815-1852; Vol. II, 1852-1913. *Cambridge University Press*. Price 21s. net, two volumes (not sold separately).
- The Oxford History of India: From the Earliest Times to the End of 1911. By Dr. Vincent A. Smith. *Clarendon Press*. Price 12s. 6d. net.
- A History of British Socialism (Vol. I). By M. Beer. With an Introduction by R. H. Tawney. *Bell*. Price 12s. 6d. net.
- History of the Civil War, 1861-1865. By Dr. J. F. Rhodes. *Macmillan*. Price 12s. 6d. net.
- The Making of Modern Italy. By M. C. Bayley. *Cassell*. Price 7s. 6d. net.

- The History of Europe from 1862 to 1914. By Prof. L. H. Holt and Captain A. W. Chilton. *Macmillan*. Price 14s. net.
- The Reign of Henry V. Vol. II: 1415-1416. By Dr. James H. Wylie. *Cambridge University Press*. Price 30s. net.
- Aristophanes and the War Party: A Study in the Contemporary Criticism of the Peloponnesian War. By Prof. Gilbert Murray. *Allen & Unwin*. Price 1s. and 2s. net.
- A Bibliography for Teachers of History. Edited by Eileen Power. *Women's International League*. Price 2s. net.
- Greece before the Conference. By Polybius. *Methuen*. Price 5s. net.
- Guilds in the Middle Ages. By Georges Renard. Translated by Dorothy Terry and Edited, with an Introduction, by G. D. H. Cole. *Bell*. Price 2s. 6d. net.
- Melrose's Reference History of England: From the Norman Conquest to the Death of Edward VII. By M. E. Hamilton Hunter and G. G. Ledsam. *Melrose*. Price 6s. net.
- "Edina Histories."—Book I: The Age of Settlement (B.C. 55 to 1154 A.D.). By A. L. Westlake and T. Franklin. Book II: The Age of Chivalry (1154 A.D. to 1485 A.D.). By A. L. Westlake and T. Franklin. *Macmillan*. Price 1s. 4d. net each.
- The Period of Congresses. By Sir A. W. Ward. I, Introductory; II, Vienna and the Second Peace of Paris; III, Aix-la-Chapelle to Verona. *S.P.C.K.* Price 3s. 6d. net (in one volume).
- Securities of Peace: A Retrospect (1848-1914). By Sir A. W. Ward. *S.P.C.K.* Price 3s. net.
- A Short Guide to the Principal Classes of Documents Preserved in the Public Record Office, Dublin. By the Rev. Dr. Robert H. Murray. *S.P.C.K.* Price 8d. net.
- Some Practical Hints for the Youthful Historian. By C. H. K. Marten. *Blackie*. Price 3d. net.
- The Care of Documents and Management of Archives. By Charles Johnson. *S.P.C.K.* Price 6d. net.
- Annual Report on Reforms and Progress in Chosen (Korea), 1916-17. Keijo (Seoul): Compiled by Government-General of Chosen.

Mathematics.

- Mathematical Papers for Admission into the Royal Military Academy and the Royal Military College and Papers in Elementary Engineering for Naval Cadetships, July and November, 1918. Edited by R. M. Milne. *Macmillan*. Price 1s. 3d. net.
- Elementary Mensuration, Constructive Plane Geometry, and Numerical Trigonometry. By P. Goyen. *Macmillan*. Price 3s. 6d.
- Graphic Algebra for Elementary and Intermediate Students. By Dr. J. Lightfoot. *Russell*. Price 1s. net.
- An Elementary Algebra for Junior Students. By Dr. J. Lightfoot. *Russell*. Price 3s. 6d. net.
- Analytic Geometry. By Profs. M. M. Roberts and J. T. Colpitts. *Chapman & Hall*. Price 7s. 6d. net.
- Fermat's Last Theorem. Revised Edition. By M. Cashmore. *Bell*. Price 2s. 6d. net.

Miscellaneous.

- Bishop Percival: A Brief Sketch of a Great Career. By E. M. Oakeley. *Blackwell*. Price 1s. 6d. net.
- Madam Constantia: The Romance of a Prisoner of War in the American Revolution. Edited by Jefferson Carter. *Longmans*. Price 6s. net.
- The Adventures of Cyrano de Bergerac. By Louis Gallet. *Jarrolds*. Price 1s. 9d. net.
- The Litany of the Elves. By J. C. Lawson. *Cambridge University Press*. Price 3s. net.
- Reconstructors and Reconstruction. By Oxon. *Blackwell*. Price 1s. net.
- Prominent Points in the Life and Writings of Shakespeare. Reprinted from *The Bulletin of the John Rylands Library*. By William Poel. *Manchester University Press* and *Longmans*. Price 2s.
- The War Work of the Y.M.C.A. in Egypt. By Sir James W. Barrett. *Lewis*. Price 10s. 6d. net.
- Democratic Ideals and Reality: A Study in the Politics of Reconstruction. By H. J. Mackinder. *Constable*. Price 7s. 6d. net.
- Syndicalism and Philosophical Realism: A Study in the Correlation of Contemporary Social Tendencies. By J. W. Scott. *Black*. Price 10s. net.
- "As a Man Thinketh. . . ." The Personal Problem of Militarism. By Ernest E. Unwin. *Allen & Unwin*. Price 2s. 6d. net.

(Continued on page 300.)

A SELECTION OF MODERN TEXT-BOOKS FROM MR. MURRAY'S LIST.

CLASSICS.

(By Professors WALTERS and CONWAY.)

- Greek: Deigma. A First Greek Book 4s.
 Latin: Limen. A First Latin Book. Fifth
 Edition, 60th Thousand 3s.
 Ante Limen. For Younger Beginners 2s.
 Ad Limen. For more advanced Study 3s.

(By Sir WM. SMITH.)

- Initia Graeca (Part I): A complete Elementary Greek Course 4s.
 Principia Latina (Part I): A complete Elementary Latin Course 4s.

(Keys to most of the above books can be obtained by Teachers.)

- Smaller Latin-English Dictionary 9s.
 First Latin-English Dictionary 3s.
 Classical Atlas, New Edition 7s. 6d. net.
 Smaller Classical Dictionary (Revised) 9s.

ENGLISH.

(Based on the New Terminology.)

- Morgan's English Grammar, 40th Thousand 2s.
 Kitchener's English Composition, 18th Thousand 2s.
 O'Grady's Matter, Form, and Style, 10th Thousand 2s. 6d.

(By Professor WEEKLEY.)

- The Romance of Words 3s. 6d. net.
 The Romance of Names 3s. 6d. net.
 Surnames 6s. net.

(By Professor WYLD.)

- The Historical Study of the Mother Tongue ... 9s. net.
 A Short History of English 7s. 6d. net.
 The Growth of English 4s. net.

- Edmunds's Story of English Literature, 3 vols 4s. each.
 Student's History of English Literature 9s.
 Boas's Shakespeare and his Predecessors 6s. net.
 Raleigh's The English Novel 3s. 6d. net.

AGRICULTURE.

(By Sir DANIEL HALL, F.R.S.)

- The Soil 6s. net.
 Fertilizers and Manures 6s. net.
 The Feeding of Crops and Stock 6s. net.

- Auld and Ker's Practical Agricultural Chemistry 6s. net.

- Edwardes's Ker's Chemistry of the Garden ... 2s. net.
 Fream's Elements of Agriculture 7s. 6d. net.

COMMERCE, &c.

- Abbott's Commercial Theory and Practice ... 4s.
 Warren's Commercial Knowledge 3s. net.
 Poole's Commercial French. In two parts ... 3s. each.
 Hein's Commercial German. Part I, 4s.;
 Part II ... 5s.
 Armitage Smith's Principles of Taxation 3s. 6d. net.

Full Particulars of any of the above on application.

WRITE FOR CATALOGUE.

MODERN LANGUAGES.

- Poole's Grammaire Élémentaire 3s.
 Poole and Lassimonne's Textes et Questions:
 Part I, 2s.; Part II ... 3s.
 Draper's Middle Method German Course 3s.
 Magnus's Concise Russian Grammar 6s. net.
 De Arteaga's Practical Spanish. Part I, 4s.;
 Part II ... 5s.
 Balshaw's Spanish Reader 3s. 6d.
 Smith's Italian Principia. Part I, Grammar,
 &c., 4s.; Part II, Reader 4s.

HISTORY.

- Jenks's Government of the British Empire ... 7s. 6d. net.
 Fletcher's England. In four volumes 7s. 6d. each.
 Thatcher and Schwill's General European
 History: 10s. 6d., or in 2 vols. 5s. 6d. each.
 Lodge's Modern Europe 9s.
 Introductory History of France 3s.
 Smith's Smaller Rome and Greece 4s. each
 Hardwich and Costley White's Old Testament
 History. In five periods 2s. 6d. each.
 Menzies' History of Religion 6s. net.

SCIENCE, &c.

- Halliburton's Physiology. Fourteenth Edition.
 Revised, with Appendix on War Diet ... 16s. net.
 Thomson's Study of Animal Life 6s. net.
 Gamble's Animal Life 6s. net.
 Rogers's Junior Chemistry 4s.
 Russell's Volumetric Analysis 2s. 6d. net.
 Leonard and Salmon's Exercises in Physics ... 1s. 6d.
 Clinton's Electric Wiring 3s. net.
 Benson's Rudiments of Handicraft 1s. net.

MATHEMATICS.

- Consterdine and Barnes's Practical Mathematics 2s.
 Pressland's Arithmetic 3s.
 Langley's Algebra. Part I, 2s.; Part II ... 2s. 6d.
 Layng's Geometry 3s. 6d.
 Andrew's Geometry 3s. 6d.

MISCELLANEOUS.

- Mill's Realm of Nature 6s. net.
 Minshall's Elocution 1s. 6d. net.
 Brackenbury's Primer of Psychology 2s. net.
 Jones's Primer of Logic 2s. net.
 Rappoport's Primer of Philosophy 1s. 6d. net.
 Shedlock's Art of Story Telling 5s. net.
 Norwood and Hope's Higher Education of
 Boys in England 12s. 6d. net.

JOHN MURRAY, 50a Albemarle St., London, W.1

- Conscience and Fanaticism: An Essay on Moral Values. By G. Pitt-Rivers. *Heinemann*. Price 6s. net.
- The Betrothal; or, The Blue Bird Chooses. By Maurice Maeterlinck. Translated by A. Teixeira de Mattos. *Methuen*. Price 6s. net.
- The State and the Nation. By Edward Jenks. *Dent*. Price 4s. net.

Modern Languages.

- Sentences for Translation into French, Illustrating Grammatical Rules. For Middle and Upper Forms. By A. W. Street and A. Lee. *Livingtons*. Price 2s. 6d.
- J. J. Jusserand: La Vie Normande et les Routes d'Angleterre au XVe Siècle. Edited by A. Wilson-Green. *Cambridge University Press*. Price 4s. net.
- Honoré de Balzac: Le Colonel Chabert. Edited by Sydney H. Moore. *Cambridge University Press*. Price 3s. net.
- Examination Papers in Phonetics. By Daniel Jones. *Clarendon Press*. Price 2s. 6d. net.
- Elementary French Grammar. By A. R. Florian. *Livingtons*. Price 2s. 6d.
- Russian Texts.—Evgenii Onegin. By A. S. Pushkin. *Longmans*. Price 3s. 6d. net.
- Grammar of Modern French. By A. R. Florian. *Livingtons*. Price 3s. 6d.
- Lermontov's Novice. Russian Text, Accented. With Introduction, Notes, and Vocabulary by J. D. Duff. *Cambridge University Press*. Price 5s. net.
- Spanish Conversation: Book. I. Second Edition. By E. A. Baton. *Livingtons*. Price 2s. 6d.

Music.

- First Principles of Music. By Prof. F. J. Read. *Arnold*. Price 1s. 6d.
- "The Joseph Williams Series of Handbooks on Music."—(1) The Child's Training in Rhythm: A Handbook for the Teacher. By S. E. Currey. Price 2s. net.—(2) Aural Culture based upon Musical Appreciation. In three parts. Part III. By S. Macpherson and Ernest Read. Price 6s. net. *Joseph Williams*.

Religious Knowledge.

- The Doctrine of Grace in the Synoptic Gospels. By Dr. Henry Townsend. *Methuen*. Price 7s. net.
- A Man's Spiritual Experience in the Church. By the Rev. M. W. T. Conran. *S.P.C.K.* Price 2d. net.
- The Church in Country Villages. By the Rev. Dr. E. B. Bartleet. *S.P.C.K.* Price 2d. net.
- The People's Faith in the Time of Wyclif. By B. L. Manning. *Cambridge University Press*. Price 7s. 6d. net.
- The Oldest City in the World: Its Sieges and Battles. Being Addresses to Children on Bunyan's Holy War. By Dr. Charles Brown. *Religious Tract Society*. Price 3s. net.
- Religion in the Public Schools: A Course of Addresses. *S.P.C.K.* Price 2s. 6d. net.
- The Gospel According to St. Matthew: The Text of the Revised Version, with Introductions and Notes. By the Rev. A. R. Whitham. *Livingtons*. Price 3s.
- The Gospel According to St. Mark: The Text of the Revised Version, with Introductions and Notes. By the Rev. A. R. Whitham. *Livingtons*. Price 2s. 6d.
- The Secret of the Cross: A Plea for a Re-Presentation of Christianity. By Edmond Holmes. *Constable*. Price 2s. net.
- Christ, St. Francis, and To-day. By G. G. Coulton. *Cambridge University Press*. Price 10s. 6d. net.

Science.

- The Life of Matter: An Inquiry and Adventure. Edited by Arthur Turnbull. *Williams & Norgate*. Price 7s. 6d. net.
- Elementary Chemistry of Agriculture. By S. A. Woodhead. *Macmillan*. Price 3s. 6d.
- National Life from the Standpoint of Science. Third Issue. By Prof. Karl Pearson. *Cambridge University Press*. Price 1s. 6d. net.
- The Function of Science in the Modern State. Second Edition. By Prof. Karl Pearson. *Cambridge University Press*. Price 2s. net.
- "The Rural Textbook Series."—Soils and Fertilizers. By Prof. T. L. Lyon. *Macmillan*. Price 6s. 6d. net.
- Catalogue of Lewis's Medical and Scientific Library. Revised to the End of 1917. *Lewis*. Price 12s. 6d. net; to subscribers, 6s. net.
- Eyes Right: Papers for Teachers and Parents on the Hygiene and Treatment of the Eye. Second Edition. By Dr. James M. Macphail. *Butterworth*. Price Rs. 1.
- Joseph Priestley. By D. H. Peacock. *S.P.C.K.* Price 2s. net.

- Exercises in Logic and Scientific Method. By Dr. A. Wolf. *Allen & Unwin*. Price 3s. net.
- Inorganic Chemistry. Eleventh Edition, Revised and Enlarged. By Prof. James Walker. *Bell*. Price 5s. net.
- New Town: A Proposal in Agricultural, Industrial, Educational, Civic, and Social Reconstruction. By W. R. Hughes. *Dent*. Price 2s. net.
- Organic Chemistry; or, Chemistry of the Carbon Compounds. By Victor von Richter. Vol. I: Chemistry of the Aliphatic Series. Newly Translated and Revised. Second Edition. By Dr. Percy E. Spielmann. *Kegan Paul*. Price 21s. net.
- Introductory Meteorology. Prepared and Issued under the Auspices of the Division of Geology and Geography, National Research Council. *Milford*. Price 4s. 6d. net.
- Military Geology and Topography. Herbert E. Gregory, Editor. Prepared and Issued under the Auspices of the Division of Geology and Geography, National Research Council. *Humphrey Milford*. Price 5s. 6d. net.

PRIZE COMPETITIONS.

THE winners of the Translation Prize for March are Miss H. M. Leys, care of Mrs. Lee, Swiss Cottage, Queensville, Stafford, and Mr. H. E. G. Evans, St. Mary's House, Tenby.

The prize for the April Competition is awarded to "Breis-Isel," the second place being given to "Bésigue."

By "BREIS-ISEL."

Au début de l'après-midi nous longions au trot une étroite corniche au-dessus d'un torrent, lorsque le mulet des bagages dont le licol était attaché à la croupière de mon cheval, perdit soudain pied et tomba dans le précipice. Il se cramponna au bord des pieds de devant, le licol lui soutenait la tête, et mon cheval, s'arrêtant aussitôt s'appuya de toutes ses forces contre la paroi rocheuse qui nous dominait, me serrant la jambe entre lui et la selle... J'étais le dernier de la bande et j'eus le plaisir de voir tous mes compagnons continuer à trotter, sans se douter que quelque chose était arrivé pouvant arrêter leur progrès vers le but du voyage. Il faisait si mauvais temps que personne ne pensait à autre chose qu'à avancer. Chacun pour soi, tel était l'ordre du jour. Je ne pouvais descendre de cheval, ma jambe gauche étant pressée si étroitement contre le rocher, qu'à chaque instant je m'attendais à ce que l'os cassât... Nous étions là — les yeux du mulet lui sortant presque de la tête, et tous ses muscles tremblant sous l'effort. A la fin, quelque chose craqua; le crampon à l'arrière de ma selle céda; la croupière fut violemment arrachée, et je crus d'abord que la queue de mon cheval l'était aussi. Le mulet fit un effort désespéré pour regimber, mais en vain, et il retomba, roulant du haut en bas à travers les buissons qu'il écrasait, jusqu'à son plongeon final et bruyant dans les eaux du torrent. Quelques-uns de nos gens, entendant le bruit fait par la chute du mulet se retournèrent et revinrent pour voir ce qu'il y avait, et tous, hommes et chevaux, nous nous penchâmes, le cou tendu, au-dessus du bord, pour voir ce qu'était devenu notre compagnon. Il était là, dans la rivière, la tête seule émergeant de l'eau. Non sans difficulté nous nous frayâmes un passage jusqu'au bord du torrent. Le mulet nous regarda très tranquillement jusqu'à notre arrivée tout près de lui; alors le muletier se mit en devoir de l'aider en lui cognant sur la tête avec une grosse branche d'arbre, sur quoi l'animal commença à se débattre et à grimper, et à la fin, à l'étonnement de tous, sortit sans mal apparent, en tout cas, les os intacts. Les hommes l'examinèrent, lui donnèrent un ou deux coups de pied pour lui demander comment il allait, et finalement, après l'avoir rechargé, nous poursuivîmes notre voyage.

The piece set for translation was selected to allow competitors to show not only their knowledge of French grammar, but their appreciation of certain fine shades of meaning and elegance in the French language. The text was not meant to be followed too closely, but a faithful rendering in good style was required.

No competitor sent up a faultless translation. The best were "Breis-Isel" and "Bésigue." The next in order of merit are "Kim," "Sic vos non vobis," "N.E.T.," "S.F.M.," "Addio," "Marguerite-Alix," "I.M.C.B.," "Dizzy," whose translations, while possessing distinct qualities, have definite mistakes in spelling or style which put them below prize level. For example, "Upon which he took to struggling," does not mean that *le mulet s'accrocha à la branche d'arbre*.

The candidates in the other classes too often show complete

(Continued on page 302.)

VACANCIES IN SCHOOLS

IMPORTANT

So many Schools at present being full, some with long waiting lists, it will be an assistance to us, in dealing with the large number of inquiries daily received, if Principals likely to have vacancies for the next two terms will notify us as early as possible.

J. & J. PATON, Educational Agents,

143 CANNON STREET, LONDON, E.C.4. Telephone: Central 5053.

ignorance of the difference between the imperfect and the preterite, and also of the precise meaning of certain French words. A stream is not *un fleuve*; a narrow ledge is not *une barre*, nor *un récif*, nor *un bord*; "missed his footing" is not *manqué son pas*; nor *manqué le pas*. "The party" is not *la partie* nor *la parti* (sic). "Proceeded to assist him" is not translated by *a procédé à l'aider*.

Finally, the majority of the candidates would be well advised to acquaint themselves thoroughly with the elementary rules governing the use of the subjunctive.

We classify the 72 versions received as follows:—

Class I. (a)—Breis-Isel, Bésigue, Kim, Sic vos non vobis, N.E.T., S.F.M., Addio, Marguerite-Alix, I.M.C.B., Dizzy.

(b) Tricolore, Sperata, P.M.S., K.A.Y., Nisi Dominus Frustra, Ponthieu, Ku, Printemps, Macte Animo, Sans-le-Sou.

Class II.—Cléonte, Cablegram, Newman Noggs, Fitz-Alain, Amarylhis, Louisiana, Twett, A.R.V., Petite-Bête, Chingleput, Maridunum, Abracadabra, Hirondelle.

Class III.—Sabrina, Wynne, Mâcon, Carmelite, Meiros, La Devonne, Tom Turk, Glenleigh, *à dépeça*, Lebos, Trefoil, B.E., Somewhen, B.A.Non, G.M.H., P.C. 49, Panacea, Smee, No Name.

Class IV.—Aucassin, Canynge, Dane, Menevia, Molinara, W.W.M., Traddles, Night, F.B., Old Bill, Nibbidard, Antoine, Calim, J.C.B., Swanage, G.E.M.

Class V.—Amethyst, Rhino, Chrysolite, Vanneau.

["Auntie" arrived too late, and two other versions were without a *nom de guerre*.]

A Prize of Two Guineas is offered for the best translation of the following extract from de Tocqueville's "*Démocratie en Amérique*":—

Dans les démocraties il s'en faut de beaucoup que tous les hommes qui s'occupent de littérature aient reçu une éducation littéraire et, parmi ceux d'entre eux qui ont quelque teinture de belles-lettres, la plupart suivent une carrière politique, ou embrassent une profession dont ils ne peuvent se détourner, que par moments, pour goûter à la dérobée les plaisirs de l'esprit. Ils ne font donc point de ces plaisirs le charme principal de leur existence; mais ils les consi-

dèrent comme un délassement passager et nécessaire au milieu des sérieux travaux de la vie: de tels hommes ne sauraient jamais acquérir la connaissance assez approfondie de l'art littéraire pour en sentir les délicatesses; les petites nuances leur échappent. Ils aiment les livres qu'on se procure sans peine, qui se lisent vite, qui n'exigent point de recherches savantes pour être compris. Ils demandent des beautés faciles qui se livrent d'elles-mêmes et dont on puisse jouir sur l'heure; ils leur faut surtout de l'inattendu et du nouveau. Habités à une existence pratique, contestée, monotone, ils ont besoin d'émotions vives et rapides, de clartés soudaines, de vérités ou d'erreurs brillantes qui les tirent à l'instant d'eux-mêmes et les introduisent tout à coup, et comme par violence, au milieu du sujet

Prise dans son ensemble, la littérature des siècles démocratiques ne saurait présenter, ainsi que dans les temps d'aristocratie, l'image de l'ordre, de la régularité, de la science, et de l'art; la forme s'y trouvera, d'ordinaire, négligée et parfois méprisée. Le style s'y montrera souvent bizarre, incorrect, surchargé et mou, et presque toujours hardi et véhément. Les auteurs y viseront à la rapidité de l'exécution plus qu'à la perfection des détails. Les petits écrits y seront plus fréquents que les gros livres; l'esprit que l'érudition, l'imagination que la profondeur: il y régnera une force inculte et presque sauvage dans la pensée, et souvent une variété très grande et une fécondité singulière dans ses produits. On tâchera d'étonner plutôt que de plaire, et l'on s'efforcera d'entraîner les passions plus que de charmer le goût.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on May 14, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

HORACE MARSHALL & SON

The Carmelite Shakespeare.

Coriolanus.	The Merchant of Venice.
Henry V.	Macbeth.
As You Like It.	The Tempest.
Julius Caesar.	Hamlet.

A School Manual of Shakespeare. By C. L. THOMSON.
Price 1s. net each.

A First Book in English Literature.

By C. L. THOMSON. A simple History of English Literature, with typical passages. Much care has been given to the many illustrations. In 6 Parts.

- I. To Wycliffe and Langland. 3s. net.
- II. From Langland to Lyndsay. 3s. net.
- III. From Lyndsay to Bacon. 3s. 6d. net.
- IV. From Beaumont and Fletcher to Dryden. 3s. 6d. net.
- V. From Pope to Burns. 3s. 6d. net.
- VI. From Wordsworth to Tennyson. 3s. 6d. net.

Colonial Histories.

Intended to supply the need for short interesting Histories of British Colonies and Dependencies, written simply, but clearly and definitely, and suitable for use in the Upper Forms of Schools and in Training Colleges.

1. *Australia.* By THOMAS BATSON, M.A. 2. *Canada.* By C. L. THOMSON.
3. *India.* By M. A. HOLLINGS, M.A. Price 1s. 9d. net each.

English History in English Poetry.

From the French Revolution to the Death of Queen Victoria. By C. H. FIRTH, M.A., LL.D., Regius Professor of Modern History in the University of Oxford. Price 3s. 6d. net.

Prose Texts for Junior Forms.

Edited by C. L. THOMSON. Price 1s. net each.

<i>The Pilgrim's Progress.</i> Part I.	<i>Legends of Early England.</i> (Chiefly from Freeman's "Old English History.")
<i>Gulliver's Travels.</i>	
<i>Legends of Early Scotland.</i>	
<i>Sir Roger de Coverley.</i>	<i>Legends of Early Rome.</i> (Chiefly from Arnold's "History of Rome.")
<i>Rip Van Winkle and Sleepy Hollow.</i>	<i>The Pilgrim's Progress.</i> Part II.
<i>Lives from Plutarch.</i> (Dryden's Translation.)	<i>Robinson Crusoe.</i>

LONDON: TEMPLE HOUSE, E.C. 4, & 125 FLEET ST., E.C. 4.

University of St. Andrews. WALKER TRUST.

PRIZES FOR ESSAYS.

The Walter Trustees, desiring to stimulate thought as to the attitude, the preparations, and the conditions that must precede and lead up to the realization of the highest social educative and reconstructive ideals, invite essays on:—

SPIRITUAL REGENERATION as the basis of World Reconstruction.

Sympathizing with the present aspirations after a better social and international order, and believing that the realization of the highest ideals of humanity will depend essentially on an awakening to spiritual truths which will permeate and inspire all thought, the Trustees desire to essayists to concentrate their attention primarily on the nature and the necessity of spiritual regeneration, and on the methods by which it may be attained.

The Trustees will welcome, from those who do not care to compete for the prizes offered, any essays or suggestions likely to prove helpful under this scheme.

In the event of any essayist showing exceptional understanding of the subject and desiring facilities for the furtherance of reconstructive work, the Trustees may instead of, or in addition to, the prizes offered provide such facilities as the funds available may allow.

The following prizes are offered for the most widely helpful essays:—

I. STUDENTS' PRIZES.—Four separate prizes of £25 each.

II. WORKERS' PRIZES.—Four separate prizes of £25 each.

III. OPEN PRIZE OF £200.—The Trustees may, at their discretion, make additional awards.

Copies of the notice relating to this essay scheme may be had upon application to THE SECRETARY, THE WALKER TRUST, ROTHES, MARKINCH, FIFE.

The University,
St. Andrews, January, 1919.

ANDREW BENNETT,
Secretary.

TRANSFER of SCHOOLS

Principals desirous of acquiring or disposing of Schools or arranging partnerships, are invited to communicate with Messrs. J. & J. PATON, who have at this time exceptional opportunities for successfully arranging transfers.

Applications will receive the personal attention of—

Mr. J. H. PATON, EDUCATIONAL AGENT,

Telephone—

CENTRAL 5053.

143 CANNON STREET,
LONDON, E.C. 4.

These School and Teachers' Advertisements are continued from page 266.

STAMMERING.

A PHENOMENAL ADVANCE in the Treatment of Stammering.

Particulars—

Mr. J. H. MIALL,
Specialist Instructor at Christ's Hospital and other public schools.
209 OXFORD STREET, W.1.

PREPARATORY SCHOOL REQUIRED.

H HEAD MASTER of Preparatory School is seeking larger premises in healthy district within 50 miles of London. Accommodation for about 40 boys. Willing to take over small connexion. Apply—No. 2035, Messrs. J. & J. PATON, 143 Cannon Street, London, E.C.4.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. *There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.*

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO.

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).

Office Hours: 9.30 a.m. to 5 p.m.
Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m. Appointments should be made when possible.

Telephone: Museum 3217. Telegrams: "Educatorio Grenville London."

MISS MASOM, B.A. Honours,
coaches in Mathematics for Matric., Higher Oxford and Cambridge, &c. School or private pupils. Successful experience. Highest testimonials.—207 Adelaide Road, Hampstead, N.W.3.

MADEMOISELLE MARIE
POUJAUD will be very pleased to give CORRESPONDENCE LESSONS in FRENCH, or to correct letters written to her. Eight letters £1. Address—Villa de la Source, Tillières sur Avre (Eure), France. Reference: Miss INGHAM, Moira House, Eastbourne.

L ECTURES ON ART. Single or in Series. London and the provincial capitals. For prospectus and terms address—Miss A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3

E DUCATED GIRLS thoroughly trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—Miss IRONSIDE, Training Bureau, 50, Lincoln's Inn Fields, W.C.2.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

All Persons Interested in Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

COPIES WANTED.

"THE JOURNAL OF EDUCATION
AND SCHOOL WORLD"

For MARCH, 1919,

is completely out of print.

The Publisher would be glad to buy back a few copies of this issue.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. STROCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern Laboratories and Workshops.
EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

CRANBROOK SCHOOL, KENT

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

NEWNHAM COLLEGE.—TWO

SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £30 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

KING'S SCHOOL, CANTERBURY.—ENTRANCE and KING'S

SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

BRIGHTON COLLEGE.—An

Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL

ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

ROYAL HOLLOWAY COLLEGE.

(UNIVERSITY OF LONDON.)

Principal: Miss E. C. HIGGINS, B.A.

ENTRANCE SCHOLARSHIPS.

TWELVE ENTRANCE SCHOLARSHIPS, from £50 to £60, and several Bursaries of not more than £30, tenable for three years at the College, will be awarded on the results of an Examination to be held from June 30th to July 5th. Names must be entered before May 24th, 1919. The College prepares Women Students for the London Degrees. Inclusive fee, £108 a year. For terms of entry and further particulars apply to the SECRETARY, Royal Holloway College, Englefield Green, Surrey.

ST. JOHN'S SCHOOL, LEATHER-

HEAD.—In addition to sons of living clergy elected on the Free Foundation, Supplementary Foundationers (sons of living clergy only) are received at the annual fee of 35 guineas. The School is also open to sons of Clergy or Laymen paying full fees, viz., Clergy 60 guineas, Laymen 60 guineas per annum. Day-Boys 30 guineas per annum. Modern School buildings for 230 boys. Boys prepared for the Universities, Army and Civil Service Examinations, &c. Leaving Scholarships. One or two Albany Scholarships awarded each year. Also three Entrance Scholarships, value £30, £25, and £20 per annum. Scholarship examination for 1919 on the first Tuesday in July: entries close the last day of June. For Prospectus, &c., apply to the Head Master, the Rev. E. A. DOWNES.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

ALDENHAM SCHOOL, HERTS.

An Examination will be held on June 5th and 6th, 1919, for about SIX JUNIOR PLATT SCHOLARSHIPS of £30, and two or three HOUSE of £20, all tenable for three years, and open to boys under 15 on May 1st.

The Scholarships will be awarded for proficiency in Classics, Mathematics, or Natural Science, or for general all-round merit. Further particulars from—
Rev. A. H. COOKE, Sc.D., Head Master.

S. PETER'S SCHOOL, YORK.

An Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

SHERBORNE SCHOOL.

An Examination for ENTRANCE SCHOLARSHIPS, open to Boys under 14 and over 12 years of age on June 1st, 1919, will be held on June 10th and following days. Further information can be obtained from the HEAD MASTER, School House, Sherborne, Dorset.

BISHOP'S STORTFORD COLLEGE.

An Examination for

SCHOLARSHIPS

will begin on

MONDAY, JUNE 30th.

For particulars apply to THE HEAD MASTER.

BEDFORD SCHOOL.—Head

Master: REGINALD CARTER, M.A. An Examination will be held at Bedford on March 18th, 1919, for 4 Exhibitions £50-£40, and 6 Nominations £10-£20 for Boarders, and 4 for Day Boys. Apply for particulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EXHIBITIONS.—Seven Exhibitions are offered to Sons of Old Bedfordians on certain conditions. For particulars apply—HEAD MASTER, Bedford School.

CHARTERHOUSE SCHOLAR-

SHIPS, 1919.—Examination for ten (or more) ENTRANCE SCHOLARSHIPS (value £76. 10s. each) open to Boys between 12 and 14 on July 15th, will be held on June 10th and 11th, both at Charterhouse, London, and at Charterhouse, Godalming, as selected by Candidates. The Scholarships will be tenable during continuance at the School, or till election to a Senior Scholarship. One or more of these Scholarships will be awarded without reference to Greek. For details apply—E. T. HARDMAN, Esq., Secretary, Charterhouse, Godalming.

ST. LEONARD'S SCHOOL, ST.

ANDREWS, FIFE.—TWO ENTRANCE SCHOLARSHIPS of the annual value of £60, tenable for four years at the above school, will be awarded on the result of an Examination to be held in May. Candidates must be between 13 and 15 on Sept. 15th, 1919. Preference will be given to the daughters of professional men and of officers in H.M. Service.—Applications for admission to the Examination should be addressed to the HEAD MISTRESS.

UPPINGHAM SCHOOL

AN EXAMINATION for about

SEVEN OPEN SCHOLARSHIPS (value £85-£30) and some House Exhibitions will be held on June 3, 4, and 5, 1919.

Apply to THE HEAD MASTER, The School House, Uppingham.

TONBRIDGE SCHOOL.—

SCHOLARSHIPS EXAMINATION on the 10th, 11th and 12th of June, 1919. One Scholarship of £100 p.a., one of £80 p.a., and one of £40 p.a., and not exceeding six Foundation Scholarships entitling to exemption from payment of the Tuition Fee, will be offered for competition. For particulars apply to the SECRETARY to the Head Master, School House, Tonbridge.

BRADFIELD COLLEGE.

An EXAMINATION for ENTRANCE SCHOLARSHIPS and EXHIBITIONS open to Boys under 15 on September 20th, 1918, will be held on May 27th and 28th at Bradfield.

The following will be offered:—

Three Scholarships of 90 Guineas.

One Exhibition of 60 Guineas.

One Exhibition of 50 Guineas.

Three to Six Exhibitions of 30 to 20 Guineas.

Entry Forms can be obtained from the HEAD MASTER, Bradfield College, Berkshire.

CHELTENHAM COLLEGE SCHOLARSHIPS.

Examinations, May 27th, 28th, and 29th.

At least ten ENTRANCE SCHOLARSHIPS, value £90 to £20, and some HOUSE MASTERS' EXHIBITIONS will be offered to candidates who are not already in the College, whether Senior or Junior Department, including JAMES OF HEREFORD SCHOLARSHIP, value £35 per annum, with preference for boys born, educated or residing in HEREFORDSHIRE. Also ARMY and OLD CHELTENIAN. Some Nominations for SONS OF THE CLERGY, value £30 per annum, may also be given. Apply to the BURSAR, The College, Cheltenham.

PRIFYSGOL CYMRU. UNIVERSITY OF WALES.

THREE FELLOWSHIPS, each of

the value of £125, tenable for two years, are open to Graduates of this University, and TWO OTHER FELLOWSHIPS to those of them who have been engaged in National Service. Applications must be received before June 1st, 1919, by the REGISTRAR, University Registry, Cathays Park, Cardiff, from whom further information may be obtained.

WYCOMBE ABBEY SCHOOL.

—ENTRANCE SCHOLARSHIPS.—An Examination will be held in May. The Scholarships will be of the value of £60 each per annum. Candidates must be under 14 years of age on April 1st, 1919. For particulars apply to the HEAD MISTRESS.

WOODBIDGE SCHOOL.—

Four FOUNDATION SCHOLARSHIPS, open to Boys under 15 years of age, will be competed for next May. These Scholarships exempt the holders from tuition fees (£10-£12), and usually carry with them House Scholarships of from £10 to £25, according to the merit of the Candidates. For full particulars apply to the HEAD MASTER.

SCHOLARSHIPS, &c.

CONTINUED FROM PAGE 304.

WEYMOUTH COLLEGE.

SIX SCHOLARSHIPS for CLASSICS or MATHEMATICS,

of the value of £40 downwards, and open to boys between twelve and fourteen, will be offered for Competition on Wednesday and Thursday,

June 11th and 12th, 1919.

For Prospectus and other information apply to the HEAD MASTER.

DOWNSIDE SCHOOL, BATH.—CLASSICAL AND MATHEMATICAL SCHOLARSHIPS value £50 a year. Examination in June. Particulars from the HEAD MASTER, Downside School, Stratton-on-the-Fosse, near Bath.

LANCING COLLEGE SCHOLARSHIPS.—ENTRANCE Scholarships will be offered for competition on Tuesday, June 3rd, 1919, and following days. Candidates must be over twelve years of age and under fourteen on June 1st. (a) Six Scholarships (at least), Classical and Modern, varying from 60 guineas to 15 guineas per annum. (b) Two Choral Exhibitions of 25 guineas per annum, open to all boys who can sing and read music. Full allowance in all cases will be made for age. Candidates will be examined at Lancing, unless further notice is given to the contrary. For prospectus and all additional information, apply to the Head Master, Rev. H. T. BOWLBY, Lancing College, Shoreham, Sussex.

LADY MARGARET HALL, OXFORD.—The following Scholarships will be offered at an Examination to be held in March, 1920:—The OLD STUDENTS' SCHOLARSHIP of £70 a year, only given to candidates who can prove their need of pecuniary aid; the JAMES CROPPER SCHOLARSHIP of £50 a year; and one of £40 a year. One or more EXHIBITIONS will also be offered should candidates of sufficient merit present themselves. The Scholarships and Exhibitions are tenable for three years during residence.

GLENALMOND.—SCHOLARSHIP EXAMINATION June 30th. Age limit 15 on September 30th. Open Scholarships (ranging from £60 to £20), one or two of £64 (open only to sons of Scottish Episcopal Clergy), and one ALFRED RAEBURN SCHOLARSHIP of £50 per annum. In awarding this last Scholarship preference will be given to the sons of men in the Naval and Military Service of the Crown who have died in the service of the country. For further information apply to Rev. S. E. LONGLAND, Trinity College, Glenalmond, Perth.

UNIVERSITY OF MANCHESTER.

ASHBURNE HALL.

THE Council offer for award in June, 1919:—The MARJORY LEES ENTRANCE SCHOLARSHIP, £40 a year for 3 years; the ASHBURNE HALL RESEARCH STUDENTSHIP, open to Women Graduates of any University; and the OLD FRIENDS' TRAVELLING SCHOLARSHIP, if conditions are favourable. Particulars may be obtained from the WARDEN.

ROYAL SOCIETY OF MEDICINE.

THE WILLIAM GIBSON RESEARCH SCHOLARSHIP FOR MEDICAL WOMEN.

THIS Scholarship, of the yearly value of (about) £250, is awarded by the Society to qualified medical women who are subjects of the British Empire, and is tenable for a period of two years. In choosing a Scholar, the Society will not decide on the merits of research work already done or contemplated, but will take such work into consideration. The Scholar will be free to use the Scholarship for her maintenance, for travel, or for the purpose of research.

There is no competitive examination, nor need a thesis or other work for publication or otherwise be submitted.

Applications should be accompanied by a statement setting out (1) professional training; (2) degrees or diplomas obtained; (3) appointments held; (4) particulars of proposed research (if any). Applications must be accompanied by two testimonials (1) as to academical or professional status, and (2) as to general character. Envelopes containing applications, &c., should be marked on top left-hand corner, "William Gibson Research Scholarship," and should reach the undersigned not later than Saturday, May 3rd, 1919.

J. W. Y. MACALISTER,
Royal Society of Medicine, Secretary.
1 Wimpole Street, W.1.

SEDBERGH SCHOOL.—Ten SCHOLARSHIPS and EXHIBITIONS, value £80 to £25, are offered for competition. Examination on May 20th and 21st, 1919, in London and Sedburgh. For details apply to the BURSAR, Sedburgh School, Yorks.

The Educational Bureau.

SICILIAN HOUSE, W.C.1.

Mistresses Required.

Matriculation Standard, £150 res. (21)
History Graduate (24)
Commercial subjects (18)
Mathematical (Hons.) (38)
Mathematics and English, resident (28)
Matron, Nursing (27)
Junior subjects and Botany (23)

Masters Required.

General Form. Registered, London, £120 (B)
Mathematical. Graduate, Hons., £220 (33)
Junior. General Form. Write Secretary.

MASTER, good subjects, requires post in boarding school. Best references. Write—X., Educational Bureau, Sicilian House, W.C.1.

MASTER, B.A., elderly, seeks post in good school next term. Resident or non-resident. Write—M., Educational Bureau, Sicilian House, W.C.1.

BOARDING SCHOOL wanted for little girl, aged 5. Near London. Write—E., Educational Bureau, Sicilian House, W.C.1.

— THE —

EDUCATIONAL BUREAU,

SICILIAN HOUSE, W.C.1.

TRANSFER DEPARTMENT.

Principals should make immediate application to the Secretary, who will give expert advice, free of charge, to all who wish to buy or sell.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

To Arts and Crafts Teachers.

HAND-LOOM WEAVING. By LUTHER HOOPER. ("The Artistic Crafts Series.") Advertiser wishes to buy a second-hand copy of above book. Address—No. 10,790.*

NATURE STUDY SPECIMENS.

—Material (botanical and zoological), suitable for Junior and Senior Classes, can be supplied to schools at moderate charges. Apply for leaflet to M., Ridgeway, Lordwood, Southampton.

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A., Coaches by Correspondence in French, History, English Language, and Literature, and Comparative Religion for Cambridge and Oxford Locals and other examinations.—The Rectory, Little Stukeley, Huntingdon.

TRAIN your Mind and Memory with an expert Psychologist, M.A. in Mental and Moral Science. Trained thousands. Personal difficulties handled.—PSYCHOLOGIST, M.A., 109 Abbeville Road, Clapham, S.W. 4.

Continental Schools

COLLÈGE DE CANNES, PRÈS NICE (ALPES MARITIMES), FRANCE.

A fine new building, with every modern comfort. Private rooms. Three months' course giving fluent knowledge of French to foreigners. £21. 8s. a term.

FOR SALE.—GYMNASTIC

BEAM (single, double, one fixed, one portable upright), and jumping standards. Almost new. What offers? Apply—Mrs. MILLER, 51 Normandy Avenue, Barnet.

FOR DISPOSAL, English and

SHORTHAND CLASSES in Paris. Twelve years' success. Apply—Mlle MAYOUX, 26 Rue de l'Exposition, Paris VIIe.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

FOR SALE.

Margate, Cliftonville (In quite the best part of)

A VALUABLE FREEHOLD PROPERTY.
Occupying one of the most delightful spots in the District, standing in Grounds of over Three Acres.
With possession.

MESSRS.

VENTOM, COOPER, & CO.

WILL SELL BY AUCTION, AT WINCHESTER HOUSE,
OLD BROAD STREET,

ON FRIDAY, MAY 23rd, at
2.30 precisely, unless an acceptable offer be made in the meantime, the Ladies' Collegiate School, known as

"MONTROSE," NORTHDOWN,

Containing extensive accommodation, together with the Goodwill of the Academy, and numerous Out-buildings, all specially erected under the supervision of an eminent architect, since which it has been uninterruptedly used as a College for Young Ladies by the Misses Bailey until the breaking out of the War, the undertaking having proved highly successful. Suitable for private use, a Public Institution, or Convalescent Home, for which it possesses many unrivalled attractions.

Particulars and cards to view may be had of Messrs. K. & W. DANIEL, Solicitors, 1 Effingham Street, Ramsgate; and of the Auctioneers, 35 Old Jewry, London, E.C.2.

ELIE, FIFESHIRE.

FOR SALE, OR TO LET ON LEASE.
KIRKBRAE.

THIS House, which is situated on the Links, and is very suitable for a School, contains Drawing-room, Dining-room, Morning-room, Library, Tower-room, nine family Bed rooms, two Bath-rooms, and servants' accommodation. Immediate possession can be given. For further particulars apply to Messrs. BLAIR & CADELL, W.S., 19 Ainslie Place, Edinburgh; or to Messrs. D. and A. Cook, Solicitors, Elie.

GIRLS' BOARDING and DAY SCHOOL FOR SALE. N.W. Coast. Good connexion. Splendid premises. Full particulars to intending purchaser. Address—No. 10,787.*

DEVON (Seaside). — Girls' small PRIVATE DAY SCHOOL FOR SALE. Established 30 years. Good opportunity for extension. Address—No. 10,779.*

RAMSGATE.

A FINE OLD GEORGIAN RESIDENCE.
In well-timbered Grounds. With possession.

MESSRS.

VENTOM, COOPER, & CO.

WILL SELL BY AUCTION, AT WINCHESTER HOUSE,
OLD BROAD STREET, LONDON,

ON FRIDAY, MAY 23rd, at
2.30 precisely, unless an acceptable offer be made in the meantime, the pleasantly placed Residence known as

TOWNLEY HOUSE

(In which Queen Victoria resided during her early life).

Containing excellent accommodation for a family, or could be adapted for almost any purpose; possessing many interesting old fittings of the period, including Adam's mantelpieces.

The Grounds have important frontages for development without materially interfering with the private uses of the property.

Particulars and cards to view may be had of Messrs. K. & W. DANIEL, Solicitors, 1 Effingham Street, Ramsgate; and of the Auctioneers, 35 Old Jewry, London, E.C.2.



FOR SALE IN NORFOLK.

LADIES' SCHOOL. Established over forty years. 100 pupils. With a grand residence standing in four acres of the most picturesque grounds. Price £3,500.—COOKE, EXOR., South Nutfield, Surrey.

BERKSHIRE.

ABOUT ONE MILE FROM

MAIDENHEAD,

and within a short distance of the River. The
LONG LEASEHOLD (part FREEHOLD)
PROPERTY

KNOWN AS

"Cordwalles,"

a moderate sized Residence, with Stabling and out-offices, together with large Class and Dining Rooms, Swimming Bath, Dormitories, Bath Rooms, Gymnasium, Chapel, Sanatorium, Offices, and conveniences for a large indoor staff; also two cottages, inexpensive pleasure grounds and gardens, and extending to about 9½ acres, and well adapted for a School, Hospital, Convalescent Home, or other Institutional purposes.

To be offered for Sale by Auction at the

ESTATE ROOM, 20 Hanover Square, W.1,
on THURSDAY, the 8th MAY, at
2.30 o'clock precisely

(Unless previously sold privately).

Solicitors: Messrs. Routh, Stacey, & Castle,
14 Southampton Street, Bloomsbury, W.C.1.

Auctioneers: Messrs. Knight, Frank, & Rutley,
20 Hanover Square, London, W.1.

FOR SALE.—A high-class DAY AND BOARDING SCHOOL FOR GIRLS with Kindergarten Department. The school has been established 19 years, and is situated in a healthy and beautiful district in N.W. of England. As the Principal is retiring the school may be taken over on easy terms and offers a fine opportunity for capable lady or two ladies. Apply, in first instance, to Address—No. 10,771.*

Tennis Court Boundary Nets.

GOOD SECONDHAND, lines top and bottom, 20 yards by 3 yards, 27s. 6d. each. 4 yards, 37s. 6d. each. Carriage paid.

NEW NET, with lines, from 1s. per square yard.

E. PARNALL & CO.,
Netting Works, Bedminster, Bristol.

Partnerships Offered

HEAD MISTRESS of small, well-established high-class School for Girls, with Kindergarten and Preparatory Classes, S.E. coast town, seeks PARTNER with view to transfer. Good opening for enterprising lady. Good scope for increase. Address—No. 10,773.*

PARTNERSHIP, with view to succession in September, offered.—Good class Girls' School near Dublin. Address—No. 10,791.*

Posts Wanted.

FRENCH Lady, age 21, Brevet Supérieur, some experience in teaching: musical; wants post in London. Address—No. 10,774.*

Posts Wanted—continued.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holborn Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

FRENCH (teacher of), B.A. Large experience with English pupils. First-rate testimonials; refined education. Seeks any educational post in Great Britain.—R. DELAMARRE, 46 Boulevard Raspail, Paris 7, France.

YOUNG, energetic INFANT MISTRESS, trained, certificated Higher Froebel 1, desires post as Assistant in good Kindergarten or Nursery School, with view to gaining experience in modern methods. Address—No. 10,772.*

Posts Wanted—continued.

MUSIC MISTRESS, A.R.C.M., requires post in Public School in or near London. Pianoforte, Harmony, Class Singing, Aural Training. Ten years' experience. Excellent testimonials. Successes in all Associated Board Examinations and A.R.C.M. examination. Address—No. 10,776.*

ART MISTRESS.—Art Master's Certificate, S. Kensington; Artist Teacher's Royal Drawing Society, seeks re-engagement in Public School for September. Wide experience, teaching at School of Art and Secondary Schools. Excellent Public Examinations results. Good disciplinarian. Address—No. 10,778.*

FRENCH TEACHER (lady), five years' experience in English Schools, excellent testimonials, successes in Oxford Senior Local and University Matriculation Examinations; fancy needlework, desires post in a good school for the Autumn Term. London or neighbourhood preferred. Address—No. 10,780.*

DEMOLIBIZED INSTRUCTOR seeks post in good School. Swedish Drill, Gymnastics, Games, Boxing and O.T.C. instruction.—H. WATKINSON, Greywell, Basingstoke.

* Replies to these advertisements should be addressed "No.—, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Posts Wanted—continued.

ART MISTRESS, well qualified, experienced, requires post for May or September in School or Training College. Drawing, Painting, Design, &c., Art Needlework, Wood Carving, Handicrafts. Address—ART, 14 Albert Street, Shrewsbury.

YOUNG French Lady (University qualifications) seeks a post as a Teacher in a School, or Governess in a Family.—Mlle LE MAREC, 4 Rue Victor, Massé Lorient (Morbihan), France.

FRENCH young lady, 20 years old, Brevet supérieur and Baccalauréat ès lettres, wants to go in a family as a French teacher (au pair), from July to November. Address—Mlle MARIE ROSE DE LABRIOLLE, 17 rue Barge, Paris, XV^e.

WANTED, non-resident post as **FRENCH MISTRESS**. Certificated. 14 years' experience in large Private College. Municipal French Classes; residence in France. Disciplinarian. Prepares all Exams. Conversational. From £120. Address—No. 10,784.*

HISTORY MISTRESS, free September. London B.A., Honours History. Internal, Westfield College. Experienced (7 years). Registered. Exam. successes. Wants no residential duties and all week-ends. Address—No. 10,783.*

HIGHLY QUALIFIED Lady (47). 1st Class Hons. H.L. 9 years France and Germany. Desires home in small good school in country. West preferred. Mutual terms. Entire freedom and quiet needed out of lessons. Address—No. 10,792.*

TWO Mistresses seek non-resident Posts in same school for September. (1) **GYMNASTICS and LOWER FORMS MISTRESS**, trained Liverpool; Drawing, Needlework. (2) **FRENCH**, Hons. B.A. London; English, Latin, German. Address—No. 10,793.*

AS SECRETARY MATRON, age 27. School experience. Hospital trained. Secretarial duties. Needlework. Keenly interested in girls.—1178 N. HOOPER'S, 13 Regent Street, London, S.W.1. Many others. Special list gratis in exchange for full particulars and requirements. Established 1881.

AS FRENCH MISTRESS, Diplômée, 4 years' experience. Thoroughly accustomed to school routine. French, Russian. Shares supervision.—8011 F. HOOPER'S, 13 Regent Street, London, S.W.1. Others disengaged. Lists gratis. Stamp.

Posts Vacant.**AUSTRALIA**

Teachers' Central Registry:
Twyford House, 17 Castlereagh Street,
SYDNEY.

(Under the direction of a Committee appointed by the Teachers' Guild of N.S. Wales).

MEN and Women Teachers, especially resident **ASSISTANT SCHOOL MASTERS and SCHOOL MISTRESSES**, who would like to secure posts in Australasia, should write to the above address, stating qualifications and experience, and enclosing copies of testimonials with a view to obtaining posts when passage to AUSTRALIA is permitted.

Particulars on application to—
Miss GARRAN, Registrar.

LINCOLN GIRLS' HIGH SCHOOL.—Wanted, for September, **MISTRESS** with Honours degree (preferably Cambridge or London), to take some Physics and sole charge of Middle School Chemistry, and possibly of Advanced Chemistry. Salary according to experience and qualifications. Applications, with testimonials, to the HEAD MISTRESS.

Posts Vacant—continued.**SWANSEA EDUCATION COMMITTEE.**

SWANSEA HIGH SCHOOL FOR GIRLS.
Head Mistress: Miss E. K. MULLINS (Cantab.).
Owing to a large increase in the number of pupils, the following additional Mistresses will be required in September next:—

- (1) A MISTRESS to teach **MATHEMATICS**.
- (2) A MISTRESS to teach, as her principal subject, **LATIN**, and as a subsidiary subject, **English**.
- (3) A MISTRESS to teach, as her principal subject, **GEOGRAPHY** (Diploma essential), and, as a subsidiary subject, **History**.

There will also be required:—

- (4) (Temporarily for one year) a MISTRESS to teach **FRENCH**. One able to teach in the Direct Method and in the use of Phonetics is desirable.

All candidates must be graduates.
Salary scale for each of the above appointments:—£170, rising by £10 annually to a maximum of £320. (Previous experience in recognized Secondary Schools will be taken into consideration in fixing the commencing salary.)

Application forms for the above appointments may be obtained from me on receipt of a stamped addressed envelope.

9 Grove Place,
Swansea.

T. J. REES,
Director of Education.

9th April, 1919.

SWANSEA EDUCATION COMMITTEE.

MUNICIPAL SECONDARY GIRLS' SCHOOL.
Head Mistress: Miss E. F. PHIPPS, B.A.

Wanted for the above School, a **SCIENCE MISTRESS** (Graduate) to be responsible for the whole of the Science Teaching, which consists mainly of Physics, with some Chemistry and Botany.

Salary scale £170, rising by annual increments of £10 to a maximum of £320.

Previous experience in Secondary work will be taken into consideration in fixing the commencing salary.

Applications to be made on forms to be obtained from the undersigned on receipt of a stamped addressed envelope.

Education Offices,
9 Grove Place, Swansea.
9th April, 1919.

SWANSEA EDUCATION COMMITTEE.**APPOINTMENT OF TEACHER OF DOMESTIC SUBJECTS.**

The above Committee require the services of a **TEACHER OF DOMESTIC SUBJECTS** for the High School for Girls. Candidates must have Diplomas in Cookery, Laundry, and Housewifery, and be qualified to teach Needlework.

Salary £100, rising by £10 per annum to £240. (Previous teaching experience will be counted in fixing the commencing salary.)

Applications to be sent to the undersigned immediately on forms which will be supplied on receipt of a stamped addressed foolscap envelope.

Education Offices,
9 Grove Place, Swansea.
9th April, 1919.

LEAMINGTON SECONDARY

SCHOOL FOR GIRLS.—Required in September, a **SCIENCE MISTRESS** to teach Botany, Elementary Chemistry, and Physics. Degree and experience essential. Salary from £160 according to qualifications. Apply, giving full particulars and enclosing copies of three testimonials, to the **DIRECTOR OF EDUCATION**, Avenue Road, Leamington. Applications must be endorsed "Science Mistress."

THE VICTORIA UNIVERSITY OF MANCHESTER.**FACULTY OF EDUCATION.**

The Council invite applications for

- (1) A **LECTURESHIP** in Education.
- (2) An **ASSISTANT LECTURESHIP** in Education.

For the latter post qualifications in Drawing and Handwork are essential. Further particulars can be obtained from the REGISTRAR.

Posts Vacant—continued.**KENT EDUCATION COMMITTEE.**

COUNTY SCHOOL FOR GIRLS, GRAVESEND.
ASSISTANT MISTRESS wanted in September, to teach Mathematics. Candidates must hold a First degree in Honours (First or Second Class), a Second degree or an equivalent qualification. Initial salary £140 to £280, according to qualifications and experience, rising on the County scale to a maximum of £320 to £350.

Applications to be made before the 31st May to the HEAD MISTRESS.

E. SALTER DAVIES.

3rd April, 1919. Director of Education.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR GIRLS, RAMSGATE.

Wanted, in September, an **ASSISTANT MISTRESS**, to teach Mathematics. An Honours degree or its equivalent essential. Initial salary £140 to £180, according to qualifications, together with an allowance for approved experience and training up to a limit of £100. Increments £15 until £240 then £10. Maximum £320 and under certain conditions £350. In the latter event the salary will rise by annual increments of £15 until the maximum is reached.

Forms of application may be obtained from the HEAD MISTRESS, to whom they should be returned as soon as possible.

E. SALTER DAVIES.

10th April, 1919. Director of Education.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR GIRLS, TUNBRIDGE WELLS.

ENGLISH MISTRESS required in September for Advanced work. Salary £200 to £280, according to qualifications and experience, rising on the County scale to a maximum of £320 to £350.

Forms of application may be obtained from the HEAD MISTRESS, to whom they should be returned as soon as possible.

E. SALTER DAVIES.

7th April, 1919. Director of Education.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten **free of charge** and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by **return of post**.

Full price-list, with specimens of **typewriting**, sent on application.

KING, 45 Bedford Row, London, W.C.1.

THE GIRLS' SCHOOL COMPANY, LTD.

THE PARK SCHOOL, GLASGOW.

Vacancies for September. All non-resident. Initial salary, in each case, according to qualification and experience. Yearly increment £10.

- (1) **SCIENCE MISTRESS** to take Chemistry and Physics. Salary scale £180-£300.
- (2) **SCIENCE MISTRESS** to take Botany and Nature Study. Salary scale £160-£220.
- (3) **JUNIOR MODERN LANGUAGE MISTRESS**. Principal subject, French, which must have been acquired abroad. Second language desirable. Salary scale £140-£200.
- (4) **JUNIOR FORM MISTRESS** to take principally Form II and, if possible, Class Singing in Forms II and III. Froebel training preferred. Salary scale £140-£200.

Apply to the HEAD MISTRESS.

WHITELANDS TRAINING COLLEGE FOR WOMEN TEACHERS.

CHELSEA, S.W.3.—Wanted, for September, a **LECTURER**, to direct the training of **CONTINUATION SCHOOL TEACHERS** at the above College. Degree, and experience in both Teaching and Social work desirable. Salary £180-£250 non-resident, according to qualifications and experience. Forms of application can be obtained from the **SECRETARY**, and must be returned by May 20th.

HARROGATE COLLEGE.

Wanted, in September, **SENIOR MATHEMATICAL MISTRESS** for advanced work. Excellent salary to applicant with required qualifications and experience. Apply fully to HEAD MISTRESS.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Sussex (Seaside).—Old-established Girls' School, standing on sea front, in large and well-arranged house, at low rental of £80 per annum. School has been continuously full since 1913. Boarders and day girls awaiting vacancies for coming term. Numbers this term—28 boarders, 35 day girls. Income for last three years (Income Tax returns): 1916—£1,649 18s.; 1917—£1,692 11s. 8d.; 1918—£1,744 12s. 11d. Average—£1,695 14s. 2d. School stock, furniture, fittings, to be taken at a valuation; valued at about £400 to £500. Goodwill—one term's fees. Terms of payment may be arranged.—No. 6,037.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past year £369. 15 boarders, 35 day pupils. Rent of fine large detached house, built for a school, and standing in its own grounds, £80. The low sum of £300 will be accepted for Goodwill. Furniture at valuation.—No. 6,041.

Somerset.—For disposal, owing to vendor having lost her eyesight, good class Day School for Girls. Conducted by present Principal 30 years.

Gross receipts past year £900. Number of pupils, 30. Rent of large, well-situated house, with accommodation for boarders, £110. Price for goodwill, school, and household furniture 500 guineas, or near offer.—No. 6,040.

Warwickshire.—Day School for Girls and small Boys. Established 20 years. Gross receipts past year about £750. Number of pupils, 120, paying £1 11s. 6d to £3 3s. per term. Price for goodwill about £350, or by arrangement. School furniture at valuation. The vendor took over the School about nine years ago with only 40 pupils.—No. 6,042.

Lancs.—Mixed Day School. Gross receipts average £780. 90 pupils. Rent £45. Goodwill £300.—No. 6,031.

Wilts.—Old-established middle-class Boarding and Day School. Gross receipts past year £1,543. 27 Boarders, 79 day pupils. Modern premises. Goodwill about £300.—No. 6,029.

Surrey.—Boys' Preparatory School. Conducted by vendor over 20 years. Receipts past year about £650. 4 boarders, 37 day pupils. Price for goodwill only £250.—No. 6,028.

Essex (Seaside).—Boarding and Day School. Net income £300 to £400. 69 pupils, including 14 boarders. Conducted by vendor 15 years. Goodwill and furniture £500 or close offer.—No. 6,033.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 6,024.

Lancs. (Seaside).—High-class Boarding and Day School. Established 30 years. 17 boarders, 34 day pupils. Net income about £526. Goodwill to be arranged. School furniture about £300.—No. 6,016.

S. Devon.—Boarding and Day School. Established 27 years. Receipts about £500. 50 pupils, 5 of whom are boarders. Goodwill and school furniture about £150 only.—No. 6,006.

East Coast.—Boarding and Day School. Receipts about £400. 7 boarders, 20 day pupils. Goodwill, school, and part household furniture, including 2 good pianos, about £350.—No. 6,004.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 307.

BOROUGH OF KINGSTON-UPON-THAMES.

TIFFIN BOYS' SCHOOL.
AMENDED ADVERTISEMENT.

HEAD MASTER required to enter on his duties after the summer holidays.

Candidates must be under 45 and graduates of a University in the United Kingdom, or have such other equivalent qualification as may be approved by the Board of Education. They need not be in Holy Orders.

The School is a Secondary Day School maintained by the Surrey County Council, and has at present 360 scholars.

Salary £600 per annum, rising by £25 annual increments to £800. The School is at present in old buildings, but plans for a new school are in preparation. A Head Master's residence is at present attached to the school and house; rents and rates are considered to be of the value of £60, which will be deducted from the salary. No house will be provided at the new school.

10 copies of applications stating age, qualifications, and experience, and 10 copies of not more than 5 testimonials, should be sent to the Education SECRETARY, Technical Institute, Kingston-upon-Thames, not later than May 7th.

BOROUGH OF KINGSTON-UPON-THAMES.

THE TIFFIN GIRLS' SCHOOL.

Wanted, in September next, a MATHEMATICAL MISTRESS. Games a recommendation. Salary (for a graduate with approved degree) from £150, according to experience.

Applications, with copies of three recent testimonials and names of three referees, to be forwarded to the HEAD MISTRESS of the School.

H. T. ROBERTS, B.A.,
Education Secretary.

DORKING HIGH SCHOOL.
FOR GIRLS.—Good opening for BOARDING HOUSE for boarders. Experienced lady with some capital. All particulars from HEAD MISTRESS.

Posts Vacant—continued.

RHODESIA DEPARTMENT OF EDUCATION.

Owing to the War, the following vacancies exist in the above Department for well-qualified Masters.
Two MATHEMATICS.
Three CLASSICS AND ENGLISH.
Two SCIENCE.
Two FRENCH.

Applicants must be single. University education preferred, not over 35 years of age. Preference given to invalided officers. Not pulmonary cases, but applications would be considered from applicants in Grade 3. Commencing salaries £270 to £330, according to qualifications and experience. Apply, giving full particulars, ASSISTANT SECRETARY, British South Africa Company, 2 London Wall Buildings, E.C.2.

WEST SUSSEX EDUCATION COMMITTEE.

WORTHING HIGH SCHOOL.

Wanted, in September, a MISTRESS to organize and teach History in the Middle and Upper School, and some Geography.

Candidates must hold a degree of a British University, or its equivalent, and have had either training or secondary school experience. Salary initial £160 to £200, according to qualifications and experience, maximum lower Graduate scale £300, higher £360. Apply to HEAD MISTRESS.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen.
MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work. — M. GLENISTER, 3 Friern Park, N. Finchley, N. 12.

TORQUAY SECONDARY SCHOOL (GIRLS).—Wanted, in September next, a SENIOR ENGLISH MISTRESS, must be graduate, and one with Honours Degree preferred. Scale salary commences at £140, but previous experience recognized. Send to CLERK to the GOVERNORS, Town Hall, Torquay, for application form.

QUEEN ETHELBURGA'S SCHOOL, HARROGATE.—Wanted, in September, MISTRESS to take Botany and Zoology, with some Geography if possible. Initial salary £100-£150 resident. Apply—HEAD MISTRESS.

Posts Vacant—continued.

LIVERPOOL EDUCATION COMMITTEE.

Applications are invited for the following posts, viz. —

HOLT SECONDARY SCHOOL.

- (1) MODERN LANGUAGE MASTER. Salary according to qualifications and experience.
- (2) FORM MISTRESSES to teach Singing. Salary according to qualifications and experience.
- (3) FORM MISTRESSES for Junior School. History and Geography principal subjects. Salary Grade 1.

QUEEN MARY HIGH SCHOOL.

SCIENCE MISTRESS to teach Physics and Chemistry, with subsidiary Mathematics. Salary in accordance with qualifications and experience.

Forms of application, to be returned not later than Wednesday, 14th May, 1919, and further particulars may be obtained from JAMES G. LEGGE, Director of Education, 14 Sir Thomas Street, Liverpool.
EDWARD R. PICKMERE,
Clerk to the Local Education Authority.

THE QUEEN VICTORIA HIGH SCHOOL FOR GIRLS, STOCKTON-ON-TEES.

APPOINTMENT OF HEAD MISTRESS.

The Governors invite applications for the position of HEAD MISTRESS, to be vacant next July. Duties to commence in September next. Candidates must have graduated at a University in the United Kingdom. Commencing salary £400 per annum. Particulars can be obtained from—
C. J. ARCHER,
Clerk to the Governors.

77 High Street,
Stockton-on-Tees.
April, 1919.

BILSTON EDUCATION COMMITTEE.

Applications are invited from ASSISTANT TEACHERS for appointments in Provided and Non-provided Schools.

Form of application and scale of salaries may be obtained from the undersigned.
Education Office,
Town Hall, Bilston.
F. O. BEECH,
Secretary.

Posts Vacant—continued.**EAST SUSSEX EDUCATION COMMITTEE.**

COUNTY SECONDARY SCHOOL FOR GIRLS, LEWES.

Required, in September, three ASSISTANT MISTRESSES to teach the following subjects:—

- (1) History as main subject.
- (2) Geography ditto.
- (3) Lower School Form work, Games and Physical Exercises.

Candidates who can offer in addition either Class Singing and Elocution or subsidiary French preferred.

Applicants should hold a degree or its equivalent, and should have had Secondary training or experience.

Initial salary for graduates £130 to £180, according to qualifications and experience.

Scale of salary and form of application, which should be returned before May 9th, may be obtained from the SECRETARY TO THE EDUCATION COMMITTEE, County Hall, Lewes.

LOUGHBOROUGH ENDOWED SCHOOLS.

APPOINTMENT OF HEAD MASTER FOR GRAMMAR SCHOOL.

The Governors invite applications before May 17th, 1919, for the HEAD MASTERSHIP of the Grammar School of this Foundation. Duties commence after the summer vacation.

The master must be a graduate of a University of the United Kingdom.

The School will accommodate about 200 boys. Salary £600 per annum and an excellent residence. The master may take boarders, for which the house is adapted.

Full printed particulars and copy of scheme, price 1s., can now be obtained on application to

MAURICE T. WOOLLEY, F.S.I.,
Rectory Place, Clerk to the Governors.
Loughborough,
Leicestershire.

April 7th, 1919.

FARRINGTONS, CHISLEHURST, KENT (Nonconformist Public School).—Wanted, in September, resident MISTRESS for Science and Mathematics. London B.Sc. preferred. Salary according to qualifications and experience. Apply to the HEAD MISTRESS.**THE BISHOP STRACHAN SCHOOL, TORONTO, CANADA.**—Wanted, in September:—

- (1) HISTORY MISTRESS, to be responsible for organization of History teaching. Salary £130 residence.
 - (2) FRENCH MISTRESS, to teach up to University entrance. Salary £130 residence.
- Degree or equivalent and experience essential. Apply—HEAD MISTRESS. Passage paid on a two years' agreement.

DURHAM COLLEGES IN THE UNIVERSITY OF DURHAM.—The Council of the Durham Colleges in the University of Durham invite applications for the position of LECTURER IN FRENCH. The Lecturer will be required to enter upon his or her duties in October. The terms and conditions of appointment may be had on application to the SECRETARY OF THE COUNCIL, Room 5, University Offices, Durham.**ST. LEONARD'S SCHOOL, ST. ANDREWS, FIFE.**—Wanted, in September: (1) A SENIOR MATHEMATICAL MISTRESS with good experience. Cambridge Tripos if possible. Initial salary £250 non-resident, rising by fixed increments to £300. (2) A SENIOR GYMNASIUM AND GAMES MISTRESS, Osterberg or Bedford College qualifications and good experience essential. Salary not less than £200 non-resident, rising by fixed increments to £250. Further particulars on application to the HEAD MISTRESS.**RHODES UNIVERSITY COLLEGE, GRAHAMSTOWN, CAPE OF GOOD HOPE.**—LECTURER IN EDUCATION (man) wanted for this College. Salary £400, rising to £450. Allowance for passage, £40. Apply before 10th May, stating age, qualifications, and experience, to Prof. ADAMS, London Day Training College, Southampton Row, W.C.1.**DERBYSHIRE EDUCATION COMMITTEE.—BUXTON CAVENTISH GIRLS' HIGH SCHOOL.**—Wanted, after Easter, MISTRESS well qualified to undertake Class Singing, Aural Culture, and Elocution, and to give a little help with clerical work. Knowledge of Tobias Matthey Piano Method a recommendation. Salary according to qualification. Apply at once with full particulars of education and experience to the HEAD MISTRESS.**Posts Vacant—continued.****MESSRS. GRIFFITHS, POWELL & SMITH,****Educational and School Transfer Agents** (Established 1833).

Telegraphic Address: "SCHOLASQUE, LONDON."

Telephone: GERRARD 7021.

Kindly note New Address—

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at

34 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.**TO ASSISTANT MISTRESSES. Immediate and Autumn Term Vacancies.**

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well-qualified Assistant Mistresses for the following appointments:—

ENGLISH, GENERAL FORM AND OTHER VACANCIES.**Geography Mistress.** Other subjects, especially Elementary Science, a recommendation. Girl's High School. Commencing salary about £150 to £200 non-resident. (Worcestershire.)—No. 1,519.**Senior Assistant Mistress** for general subjects with Mathematics. Commencing salary not less than £175, according to experience, &c. —No. 1,509.**Mistress** for good French. Should be a specialist in this subject. Important Boarding School. Salary £110 resident. (Wales.)—No. 1,491.**Assistant Mistress** for History and Latin principally. Minimum commencing salary £150 non-resident. (Cumberland.)—No. 1,502.**Assistant Mistress** for good English subjects. Graduate looked for. County School. Commencing salary £150 non-resident. —No. 1,505.**South Africa.—Two Assistant Mistresses** to take between them Latin, Mathematics, and Botany to Matriculation standard. Drawing, Drill, and Games. Salary in each case £100 resident, 3 years' engagement. Passage paid.—No. 1,498.**Senior Mistress** for English, Scripture, Mathematics, and, if possible, Geography and History. Salary £140 non-resident. (Cheshire.)—No. 1,483.**English Mistress** for important Secondary School. Thorough English in all its branches. Commencing salary from £150 non-resident, according to qualifications, &c. (Cumberland.)—No. 1,500.**Junior Form Mistress** for usual English subjects and Arithmetic, elementary French. Important School. Salary £130 non-resident. (Cheshire.)—No. 1,482.**Assistant Mistress** for Senior English, Arithmetic, and Geography. Some Music and Games if possible. High-class Boarding School. Salary £80 resident. (Sussex, Seaside.)—No. 1,476.**Junior Class Mistress** for Boys' Preparatory School. Experience with boys desired. Elementary Latin and Geography. Salary £70 resident. (Sussex, Seaside.)—No. 1,481.**Assistant Mistress** for good English, Literature, and History up to University Local standard. Salary £80 resident. (Sussex, Seaside.)—No. 1,517.**Art Mistress** able to prepare pupils for R.D.S. Examinations. Painting, Needlework a recommendation. Fair salary resident, and a percentage of fees. (Hants, Seaside.)—No. 1,518.**SCIENCE AND MATHEMATICAL VACANCIES.****Two Mistresses** for County School. (1) Physics and Chemistry; (2) Botany and Zoology.**A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses. 150 posts for Junior Mistresses asking salaries of from £25 to £40 resident.****50 Student-Governesses** also required for superior Schools on mutual terms, namely:—Board Residence, and Educational advantages in return for services.**Particulars of suitable Appointments** in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Mistresses, on application. Full details as to qualifications and copies of testimonials should be sent.**SCHOOLS TRANSFERRED AND VALUED.**

Please see page 308 for brief particulars of some of the Schools Messrs. Griffiths, Powell & Smith now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to int purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.
Telegraphic Address: "Scholasque, Weststrand, London." Telephone: Gerrard 7021.

Graduates looked for. Commencing salaries not less than £150 non-resident, according to qualifications and experience.—No. 1,442.

Senior Science Mistress to take Botany as chief subject. High School for Girls. Good salary resident. (Yorks.)—No. 1,441.**Two Mistresses** to take between them Mathematics, Botany, elementary Physics, and Chemistry. Salary in each case about £150 non-resident. (London.)—No. 1,504.**MUSIC VACANCIES.****Mistress** for good Violin and Junior Piano. Must be an experienced and first-rate teacher. Good School in N. of England. Salary £90 or more resident, according to experience, &c.—No. 1,506.**Well Certified Mistress** to take the Music and assist in elementary English. Salary £75 resident. (Yorks.)—No. 1,494.**Mistress** for Violin and Piano. L.R.A.M. or equivalent desired. Large and important School. Salary about £75 resident. (Lancs.)—No. 1,371.**Mistress** for Piano and Theory. Solo and Class Singing desirable. Salary £60 resident.—No. 1,522.**Mistress** for Music and Class Singing. Churchwoman essential. Convent School. Salary £60 or more resident. (Sussex.)—No. 1,490.**KINDERGARTEN AND PREPARATORY FORM VACANCIES.****Mistress** to take Kindergarten in the mornings and some Junior Music in the afternoons. Light post. Salary £70 resident. (Surrey.)—No. 1,403.**Capable Teacher** to develop the Kindergarten in connexion with Public Secondary School. Modern methods of teaching. Dancing a recommendation, also Piano. An adequate salary will be given to a suitable lady. (Hants.)—No. 1,484.**Mistress** for Kindergarten and, if possible, able to take some Mathematics and Latin. Salary £60 resident. (Surrey.)—No. 1,349.**GYMNASTIC AND PHYSICAL CULTURE VACANCIES.****Mistress** for Gymnastics, Dancing, Games, Physiology, and Hygiene. Important School. Salary £80 resident. (Staffs.)—No. 1,231.**Drill and Games Mistress.** Swedish Drill, Swimming, Lacrosse, Tennis, &c. Salary £70 resident. (Kent.)—No. 1,302.**Games and Drill Mistress.** Must be certificated and trained. High-class School. Salary £70 resident. (Sussex.)—No. 1,429.**Several Matrons and Matron Housekeepers** required for Boys' and Girls' Schools.

Posts Vacant—continued.**DURHAM COUNTY COUNCIL.**

ASSISTANT MISTRESSES required from September 1919, as under:—

BISHOP AUCKLAND COUNTY SCHOOL (GIRLS—320).

Head Mistress: Dr. A. FISHER, M.A.

(1) SCIENCE MISTRESS, to teach elementary Science and Senior Cambridge Hygiene.

(2) MATHEMATICS MISTRESS. A knowledge of Book-keeping a recommendation.

Applications must be received not later than first post on Wednesday, 28th May.

DURHAM COUNTY SECONDARY SCHOOL (GIRLS—205).

Head Mistress: Miss A. MACLEAN, M.A.

DOMESTIC SCIENCE MISTRESS, to teach Cookery, Laundry, and Needlework. Applicants must be able to superintend all arrangements for School dinners, &c.

Applications must be received not later than first post on Monday, 2nd June.

APPLICATION FORMS, SALARIES, &c.

Canvassing, directly or indirectly, is prohibited and will disqualify.

For forms of application and salaries scale apply, enclosing stamped addressed foolscap envelope, to the undersigned.

J. A. L. ROBSON,
County Secretary for Higher Education.
Shire Hall, Durham.
17th April, 1919.

EDINBURGH MERCHANT COMPANY SCHOOLS.**GEORGE WATSON'S LADIES' COLLEGE, EDINBURGH.**

Wanted, in September, a SENIOR ASSISTANT MISTRESS. Candidates must hold a degree and be eligible for recognition by the Scottish Education Department. Some specialist teaching will be needed, but the chief qualifications required are aptitude for organization and experience of good secondary schools. Age preferred about thirty-five. Minimum initial salary £250. Apply—HEAD MISTRESS.

UNIVERSITY OF LONDON.

SECRETARYSHIP in the Central Offices of the University of London. Open to men and women preferably Graduates of a British University. Salary £220 per annum, rising by annual increments of £20 to a maximum of £320. Applications should be made on the official form which will be forwarded on receipt of a stamped and addressed foolscap envelope.

S. L. LONEY, Chairman,
Establishment Committee.

University of London,
South Kensington, S.W.7.

LEWISHAM GRAMMAR

SCHOOL FOR GIRLS, CATFORD, S.E. 6.—Wanted, at Midsummer half-term or earlier, SENIOR MUSIC MISTRESS. Good qualifications and experience in successfully preparing for examinations essential. Apply, after May 8, to HEAD MISTRESS.

HAMPSTEAD SWEDISH

GYMNASIUM.—Wanted, for September term, a GYMNASIUM MISTRESS, with Dartford, Bedford, or Chelsea training, and some experience. Initial salary £90 resident. Apply with copies of testimonials and full particulars of training and experience, to Miss VULLIANY, 1 Broadhurst Gardens, N.W.6.

KING EDWARD'S HIGH

SCHOOL FOR GIRLS, BIRMINGHAM.—Wanted, in September, a SCIENCE MISTRESS with Honours Degree. Biology desirable. Middle school. Mathematics essential. Salary according to scale; minimum £170.

LOUGHBOROUGH HIGH

SCHOOL.—Wanted, in September (1) a SCIENCE MISTRESS for Botany and Elementary Science; (2) a FORM MISTRESS for History and Elementary Mathematics. Salary according to qualifications and experience. Scale for graduates, £150-£300. Apply to the HEAD MISTRESS.

BIRKENHEAD HIGH SCHOOL

(G.P.D.S.T.).—Wanted, in September:—(1) MODERN LANGUAGE MISTRESS to teach French to Scholarship standard, with German as subsidiary subject. (2) GYMNASIUMS AND GAMES MISTRESS (Dartford or Bedford Diploma preferred). Salaries according to qualifications and experience. Apply, with testimonials and full particulars, to HEAD MISTRESS.

Posts Vacant—continued.**NEWCASTLE (STAFFS) ENDOWED SCHOOLS.****ORME GIRLS' SCHOOL.**

Wanted, in September, non-resident:—

(1) SENIOR FRENCH MISTRESS, with good experience, to take charge of "Advanced Course" work. Degree or equivalent, and residence in France necessary. Salary from £250, increments according to scale.

(2) SENIOR CLASSICAL MISTRESS. Degree or equivalent (Tripos preferred), with some experience. Salary from £160 with increments according to scale.

Apply—HEAD MISTRESS.

CITY OF BIRMINGHAM EDUCATION COMMITTEE.**DAY CONTINUATION SCHOOL.****APPOINTMENT OF HEAD MASTER.**

Applications are invited for the post of HEAD MASTER of a Day Continuation School, to be opened in September next, for boys of 14 to 16 years of age engaged in Engineering trades.

Commencing salary according to qualifications and experience, but not exceeding £600 per annum. Candidates should have a knowledge of engineering trades, in addition to suitable experience in teaching and school management.

Forms of application may be obtained from the undersigned.

JNO. ARTHUR PALMER,
Secretary of Education.
Education Office, Council House, Birmingham.

CITY OF CARDIFF EDUCATION COMMITTEE.**CANTON MUNICIPAL SECONDARY SCHOOL FOR GIRLS.**

Wanted, in September, FORM MISTRESS, to teach French to standard of Matriculation and College Scholarships. Englishwoman with degree and some residence in France. Salary £120 per annum, rising by £10 yearly to £270 per annum.

Applications on forms to be obtained from undersigned should be returned on or before Saturday, 3rd May, 1919.

Wanted, for the Summer Term, 1919, temporary FORM MISTRESS to teach French. Salary at the rate of £120 per annum.

Applications, with copies of testimonials should be sent to the HEAD MISTRESS at once.

JOHN J. JACKSON,
Director of Education.
City Hall, Cardiff.
8th April, 1919.

S. KATHARINE'S TRAINING COLLEGE, TOTTENHAM.

(Established and Maintained by S.P.C.K.)

Applications are invited from candidates (women) for the following residential Posts, which will be vacant from September next:—

(1) LECTURER IN EDUCATION and MISTRESS OF METHOD, for students preparing to teach in schools for elder children. Degree or its equivalent essential. Salary £200, rising by annual increments of £20 to £300. Further particulars may be obtained from Miss GOWAN, S. Katharine's College, Tottenham, N.17.

(2) LECTURER to teach HYGIENE, PHYSICAL EXERCISES, and GAMES, and to supervise the students' teaching of these subjects. Trained and experienced. Salary £150, rising by annual increments of £20 to £250.

(3) LECTURER to teach NEEDLEWORK (on Modern Methods) and HANDICRAFT, also to assist the Principal with secretarial work. Salary £140, rising by annual increments of £10 to £200.

The salaries are in all cases in addition to board, residence, and medical attendance. Candidates must be members of the Church of England.

Applications with full particulars of age, qualifications, and experience, together with copies of three recent testimonials and three personal references, to be sent to Miss GOWAN, S. Katharine's College, Tottenham, N.17, not later than May 14th.

REQUIRED, in September, at

The Laurels, Rugby. — (1) CLASSICAL MISTRESS. (2) MATHEMATICAL MISTRESS. (3) SCIENCE MISTRESS. University degree or equivalent essential. Experience desirable. Salary in each case £95 to £110 resident, according to qualifications and experience. Apply to Miss DEWAR, The Laurels, Rugby.

WANTED, in September, resident

MODERN LANGUAGES MISTRESS. Degree and residence abroad essential. Apply—Miss ESTHER CASE, Chantry Mount School, Bishop's Stortford.

Posts Vacant—continued.**BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE.**

DARTFORD HEATH, KENT.

Wanted, for the Autumn Term, LECTURERS competent to undertake duties in connexion with one or more of the following subjects:—Supervision, Teaching of Gymnastics, Remedial Treatment, Games, Dancing. Salary £130 to £150 resident, according to experience. Applications should be sent to the HON. SECRETARY OF THE COMMITTEE OF MANAGEMENT not later than Monday, May 12th.

BIRKENHEAD EDUCATION COMMITTEE.**COUNCIL GIRLS' SECONDARY SCHOOL.**

Head Mistress: Miss A. F. EDWARDS. SENIOR MATHEMATICS MISTRESS required in September. Good University qualifications and experience essential. Initial salary according to experience and qualifications. Forms of application may be obtained from the Secretary. Further particulars may be had from the Head Mistress.

Canvassing will be considered a disqualification.

(Signed) ROBERT T. JONES,
Town Hall, Birkenhead. Secretary.

11th April, 1919.

ST. PAUL'S GIRLS' SCHOOL,

BROOK GREEN, W.6.—The post of CHIEF HISTORY MISTRESS will be vacant in July. The initial salary is £280 a year. Applications are invited and should be addressed to the HIGH MISTRESS.

ST. DENIS, 21 Chester Street,

Edinburgh.—MISTRESS for Geography and Mathematics required in September. Science desirable. Degree or equivalent. Resident or non-resident. Salary according to qualifications. Apply—PRINCIPAL.

PRINCESS HELENA COLLEGE,

EALING, W.5.—Required, September term, Resident MATHEMATICAL MISTRESS. Degree essential. Games a recommendation. Salary according to qualifications and experience. Must be member of Church of England. Apply—PRINCIPAL.

COLSTON'S GIRLS' SCHOOL,

BRISTOL.—Required, for September, an ASSISTANT MATHEMATICS MISTRESS to take some Advanced Course work in Applied Mathematics. Honours degree and good experience essential. Salary according to qualifications. Apply to the HEAD MISTRESS.

ROMFORD COUNTY HIGH

SCHOOL FOR GIRLS.—Wanted, in September, two MISTRESSES (preferably Seniors) for:—(1) MATHEMATICS (Vacancy owing to appointment of present Mistress to Headship of a High School). (2) FRENCH (additional Mistress), Spanish or Italian a recommendation, but not essential. Each Mistress will be expected to take charge of a Form. Salary according to County scale. Applications with full details and testimonials to be sent to the HEAD MISTRESS.

HIGHER TRANMERE HIGH

SCHOOL, DEVONSHIRE PARK, BIRKENHEAD.—Required in September:—

(1) MATHEMATICAL MISTRESS;

(2) MODERN LANGUAGE MISTRESS (French chief subject, some German);

(3) CLASSICAL MISTRESS (Latin and some English, Games desirable).

Degree or equivalent essential; for (1) and (2) good experience also. Each mistress will have charge of a Form.

Initial salaries from £130 to £160 (according to qualifications), plus 25 per cent. war bonus.

Applications should be made on the special form, to be obtained from and returned to the HEAD MISTRESS as soon as possible.

THE GIRLS' SCHOOL CO., LTD.**ST. BRIDE'S SCHOOL, HELENSBURGH, DUMBARTONSHIRE.**

Required in September, CLASSICAL MISTRESS for both Elementary and Advanced Work. Preparation for English and Scottish Universities. Good degree (or equivalent) essential. Form duties. Initial salary £160 to £180, non-resident, according to qualifications, rising to £220. Concession on long distance railway fare at holiday times. Apply to the HEAD MISTRESS.

IPSWICH HIGH SCHOOL.

(G.P.D.S.T.).—SENIOR SCIENCE MISTRESS (Botany and Chemistry) required for September. Advanced course recognized. Good salary. Apply—HEAD MISTRESS, High School, Westerfield Road, Ipswich.

THE JOINT AGENCY FOR WOMEN TEACHERS, OAKLEY HOUSE, 14, 16, and 18 BLOOMSBURY STREET, LONDON, W.C. 1.

Teachers seeking Posts in Public and Private Schools and Training Colleges for September should apply at once to the Registrar. Governesses seeking Private Posts are also invited to enter their names on the books of the Agency.

The following are selected from the posts vacant:—

MATHEMATICS AND SCIENCE.

- Public School in Staffs. Senior Mathematics Mistress. Churchwoman. Salary scale for Graduates £90 to £270 resident. JA 17133
- Public School in Yorks. Science Mistress. Botany, Physics, some Chemistry. Degree and Training. Initial salary from £150 or £160. JA 17518
- Public School in Herts. Science Mistress, Physics and Chemistry. Initial salary from £150 non-resident rising to £230. JA 17573
- Public School in Yorks. (1) Mathematics and Junior Physics. (2) Botany chief. Salaries from £130 non-resident. JA 17601, 17793
- Public School in Kent. Mathematics, Botany, Chemistry. Salary £85 or £90 resident. Wesleyan preferred. JA 17733
- Public School in London, S.E. Science Mistresses. (1) Botany, desirable Zoology. (2) Chemistry, Physics. Salaries from £160. JA 17746, 17638
- Public School in Essex. (1) Chemistry, elementary Physics and Botany. Initial salary £180. (2) Mathematics. Initial salary £130 to £180. JA 17761, 17762
- Training College in West of England. Botany Lecturer. Salary £175 to £200 resident JA 17797
- High School in Beds. Junior School Mistress. Advanced Botany, some elementary Science. Salary about £150. JA 17802
- Girls' Grammar School in Yorks. Mathematics and Physics. Salary scale rises to £220. JA 17816
- Girls' Public School in Cheshire. Science, Botany, Chemistry, Physics, Geography. Initial salary £200. JA 17824
- Girls' Public School in Staffs. Third Science Mistress. Physics, Mathematics, Games. Initial salary from £150 or £170. JA 17831
- Girls' Public School in Yorks. Mathematics for Matriculation and Advanced Course. JA 17843
- Girls' Public School in Yorks. Mathematics. Salary scale £150—£10—£330. JA 17858
- County Secondary School in London, N.W. Botany, Salary L.C.C. scale. JA 17861

GEOGRAPHY.

- Public School for Girls in Yorks. Geography, Junior Mathematics. Salary scale £150 to £330. JA 17832
- Public School for Girls in Yorks. Geography. Salary from £150. Bonus £20. JA 17840
- High School for Girls in Westmorland. Geography. Elementary English. Initial salary £150. JA 17875
- County High School for Girls in Staffs. Geography. Diploma. Initial salary £150 to £170. JA 17884
- County School for Girls in Northants. Geography. Subsidiary History or Scripture desirable. Diploma. Salary from £130 non-resident. JA 17887

CLASSICS.

- Grammar School for Girls in Yorks. Classics and a subsidiary subject. JA 17818
- L.C.C. School in London, N.W. Classics. JA 17860
- County School for Girls in Northants. Classics. Subsidiary Scripture or History desirable. Honours degree. Salary from £140. JA 17888

ENGLISH AND HISTORY.

- County School for Girls in Kent. English. Advanced Course. Experience desirable. Initial salary £150 to £180 possibly. JA 17704
- Secondary School for Girls in Cheshire. History. Oxford or Cambridge woman preferred. Good salary. JA 17751
- High School in Lancs. English. Advanced Course. Honours degree. Training desirable. JA 17759
- County High School for Girls in Essex. English. Degree. Training or experience desirable. Initial salary £130 to £180 and War Bonus. JA 17763
- High School in Yorks. (1) English. (2) History. Salary scale £150 to £330. JA 17838, 17839
- High School for Girls in Staffs. English. 2 posts. Senior and Junior. Advanced Course. Degrees. Salary scale £150 to £350. JA 17853
- High School for Girls in Shropshire. English. Hons. degree, training or experience. Salary from £180. JA 17878
- County School for Girls in Northants. History Advanced Course work. Oxford or Cambridge Hons. Salary from £180. JA 17886

MODERN LANGUAGES.

- High School for Girls in Yorks. French, and German or English. Degree, experience, residence abroad. Good salary rising to £280 or £320. JA 17722
- Public School in Herts. Good French. German desirable. Experience. Good salary. JA 17769
- High School for Girls in Beds, Junior German Mistress. Salary about £150. JA 17803
- High School for Girls in Westmorland. French for advanced course. Initial salary £200 non-resident. JA 17876
- Community School for Girls in Sussex. French, good qualifications. Englishwoman needed. Salary up to £140 resident. JA 17883

FORM POSTS.

- Girls' School in Berks. Middle Form. English. Elementary Mathematics (Arithmetic), History Pass degree and training desirable. Salary £170 to £180. JA 17642
- High School for Girls in Derbyshire. Middle Form. General work. Desirable: Science, Latin, Needlework, Piano for accompanying. Degree. Initial salary £150 to £163. JA 17760
- Grammar School for Girls in Yorks. A Third Form Mistress and a Junior Form Mistress. Desirable Class Singing, Needlework, Secretarial work. JA 17819, 17820

PRIVATE SCHOOL POSTS.

- Private School Sussex Coast. History. Oxford or Cambridge preferred. Experience. Good salary, resident post. JA 17703
- Private School in Kent. Mathematics, Geography, Scripture. Pass degree. Experience essential. Age 30 to 40. Salary £150 to £170 non-resident. JA 17768

- Private School in Norfolk. French. German desirable. Churchwoman preferred. Salary £150 to £180 non-resident. JA 17825
- Private School in Dorset. Two Resident Mistresses to teach between them History, English, Latin, Geography. Churchwoman. JA 17826, 17827
- Private School in Herts. French, some German desirable. Degree. Responsible post. JA 17868

KINDERGARTEN & JUNIOR FORM POSTS.

- Public School in Herts. Kindergarten Mistress. Salary £130 to £140 non-resident. JA 17572
- Public School in Yorks. Kindergarten Mistress. Salary scale £140 to £250. JA 17859
- Public School in Scotland. (1) Mistress to be in charge of Preparatory. Salary £140 non-resident, rising to £200. (2) Mistress to help in Kindergarten. Salary £50 to £60 resident. JA 17872
- Public School in London, S.W. Lower Second Form Mistress. English, Nature Study, Needlework. Initial salary £140 to £180 non-resident, rising to £230. JA 17874

ART, MUSIC, GYMNASICS.

- Training College in North England. (1) Drawing, Needlework. (2) Gymnastics, Hygiene. Salaries not less than £90 resident. JA 17131, 17784
- High School in Kent. Physical Exercises and Games. Salary £120 and fees for Remedial work. JA 17569
- Mixed School in Yorks. Physical Exercises, Swimming, Games. Dartford or Bedford training preferred. JA 17633
- Girls' Secondary School in Yorks. Drill and Games. Salary from £130. Bonus £20. JA 17841
- Girls' High School (G.P.D.S.T.) in Cheshire. Drill, Games, Remedial work. Junior Form. Dartford or Bedford training preferred. Salary from £130. JA 17865
- Girls' Public School in Scotland. Solo and Class Singing, Voice Production. Elementary Piano. Salary £160 to £180 non-resident. JA 17873
- Community School for Girls in Sussex. Senior Music Mistress. Salary £75 to £80 resident. JA 17882

POSTS ABROAD.

- George Cape Colony. Mistress to teach Latin and English in Church School. Salary £120 resident, rising to £150. Passage allowance £40. JA 17529
- Egypt. Head Mistress for Women's Training College. Degree and experience. Salary L.E. 600 and furnished quarters. JA 17731
- Queenstown, South Africa. Two Mistresses for Wesleyan High School to teach between them Latin, Mathematics, and Botany, to Matriculation standard and some Drawing, Drill, Hockey. Initial salaries £100 resident and passage out. Agreement three years. JA 17804

Teachers who would like to apply for any of these posts should write at once to the Registrar for the Regulations of the Agency and enter their names without delay. **Reference to a post must be made by number.**

No Registration Fee is charged to Members of the following Societies:—

THE TEACHERS' GUILD, ASSOCIATION OF ASSISTANT MISTRESSES, THE COLLEGE OF PRECEPTORS; and the Commission on the first year's salary is 1 per cent. for a non-resident and 1½ per cent. for a resident post. Teachers who are not Members of one of these Associations are charged a Registration Fee of 2s. 6d., and the Commission on the first year's salary is 3 per cent. for a non-resident, and 3½ per cent. for a resident post.

Registrar: Miss ALICE M. FOUNTAIN.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

ST. GABRIEL'S TRAINING COLLEGE FOR WOMEN, CAMBERWELL.

Required, at the beginning of the Michaelmas Term:—

(1) LECTURER in French and some other subject, preferably English or Music. Minimum initial salary, £120 resident.

(2) LECTURER in Kindergarten Method, with or without other subjects, Music, Needlework, Handwork, &c. This appointment will be for one year only, and may be resident or non-resident.

Apply to the Principal.

Miss K. T. STEPHENSON, St. Gabriel's College (temporarily) at Culham, Abingdon.

ROAN SCHOOL FOR GIRLS, DEVONSHIRE ROAD, GREENWICH, S.E. 10.—Wanted, in September, FIRST FORM MISTRESS. Trained graduate. Good Singing desired. Salary according to experience. Initial minimum £120 non-resident. Apply before May 18th —HEAD MISTRESS.

WESLEYAN HIGH SCHOOL, S. AFRICA.—TWO ASSISTANT MISTRESSES wanted in July to take between them Latin, Mathematics, Botany to Matriculation standard, also Drawing, Drilling, and Hockey. Initial salary, £100 resident. Passage out paid on a three years' agreement. Address—No. 10.775.*

MISTRESS, good organizer, required in September for Girls' Private School, Scotland, to take charge of boarders and assist with organization. Degree and residential experience. State subjects. Good salary. Address—No. 10.777.*

WITH a view to PARTNER-SHIP.—Lady wanted in September to enter high-class Private Boarding and Day School for Girls as Mistress of Preparatory Department. Address—No. 10.781.*

REQUIRED, September Term, in large Girls' Boarding School near London. Resident MISTRESS to teach French. Degree or foreign equivalent. Direct Method and Phonetics. Salary £90 to £100, according to qualifications. Address—No. 10.782.*

FIRST FORM MISTRESS required in large Private School near London. Address—No. 10.785.*

WANTED in September, experienced Non-resident DOMESTIC SCIENCE MISTRESS for Public Secondary Girls' School. Needlework and Cookery. Good salary scale. Initial according to experience. Address—No. 10.786.*

FIRST-CLASS Honours woman desires the co-operation of two ladies, qualified in Domestic Science and Physical Training, in purchasing and developing a well established Girls' School. University woman. Address—No. 10.788.*

TAMWORTH GIRLS' HIGH SCHOOL, STAFFS.—Required, in September, SCIENCE MISTRESS to teach Chemistry, Elementary Physics, and Botany. Degree and experience essential. Salary from £150, according to qualifications and experience. Apply to the HEAD MISTRESS.

MATHEMATICS AND SCIENCE TEACHERS.—Several vacancies occur on the staff of a leading Technical Correspondence School for examiners in Arithmetic, also in other Mathematical subjects, Physics, Mechanics, &c. Open to ladies if qualified. Whole time employment under pleasant office conditions. Address—No. 10.789.*

REQUIRED, in September, for a Government High School in South Africa, an ELOCUTION MISTRESS. Good diploma and experience essential. Teaching of classes and individual pupils 25 hours per week. Salary £160 to £180. Residence in the school costs £32. 10s. per annum. Light supervision. Apply to Mrs. BROUGH, 108 Victoria Street, S.W. 1.

Posts Vacant—continued.

SOUTHEND-ON-SEA EDUCATION COMMITTEE.

Wanted, in September:—

(1) SCIENCE MISTRESS. Good Chemistry. Degree essential. Experience desirable.

(2) MATHEMATICAL MISTRESS. Honours Degree or equivalent.

Salary according to scale, with additional war bonus of £26.

Initial in (a) £180-£200; (b) £130-£180, according to qualifications and experience.

Apply to the HEAD MISTRESS, High School for Girls, Boston Avenue, Southend-on-Sea.

T. W. BARROW, Secretary.

WIMBLEDON HILL SCHOOL

(G.P.D.S.T.).—Wanted, in September, MISTRESSES to teach (1) FRENCH, (2) PHYSICS and CHEMISTRY, (3) ENGLISH with French or German. First or Second Class Honours for (1) and (2), Oxford or Cambridge for (1) and (3). Apply—HEAD MISTRESS, 14 Ridgway Place, S.W. 19.

GIRLS' GRAMMAR SCHOOL,

WATFORD.—Wanted, for September, SPECIALIST MISTRESS for Geography. Responsible for subject and able to teach it on modern lines. Subsidiary subject desirable. Salary scale £150 to £250. Initial salary according to qualifications and experience. Apply—HEAD MISTRESS.

HASTINGS AND ST.

LEONARDS COLLEGE, Limited, St. Leonards-on-Sea.—Required, for September, MISTRESS to teach History and Geography. Games a recommendation. Degree or equivalent. Salary according to experience and qualifications. Apply—Miss BATTYE the Principal.

WYGGESTON GRAMMAR

SCHOOL FOR GIRLS, LEICESTER.—Wanted, immediately, MISTRESS for COMMERCIAL SUBJECTS. Type-writing, Shorthand, and English. Salary according to scale. Apply fully to the HEAD MISTRESS.

DUMFRIES ACADEMY.

Wanted, Teacher to fill the following vacancy and enter on duty about the 1st September, 1919:—

MISTRESS, with Diploma or equivalent qualifications in Commercial subjects, to teach mainly Shorthand, Book-keeping, Type-writing, and Business Methods. Candidates must have had good Secondary education. Salary £200 per annum, rising by £10 annually to £300.

In determining the initial salary allowance for previous experience will be made in terms of the Craik Scale.

Applications must be on official form (to be had from the Rector on receipt of stamped addressed foolscap envelope), and must be forwarded, together with one copy of recent testimonials, to the Rector, Academy, Dumfries, by 8th May, 1919.

J. E. BLACKLOCK,

North Bank Buildings, Clerk to the Managers.

Dumfries.

HIGH SCHOOL, CREDITON,

DEVON.—Wanted, in September, two MISTRESSES to teach between them Mathematics, Science (chiefly Botany), and Geography. Good qualifications essential. Initial salary to Graduate £140. Allowance made for experience. Apply, stating salary required, to HEAD MISTRESS.

BURLINGTON SCHOOL, OLD

BURLINGTON STREET, W.I.—Wanted, September, for approved Advanced Course:—(1) SENIOR FRENCH MISTRESS, with subsidiary subject; (2) SENIOR ENGLISH MISTRESS, with subsidiary subject; (3) MISTRESS able to take History in Forms VI and V, subsidiary subject preferably Latin. Subsidiary subjects wanted are Latin, Mathematics, some English or French. Applicants must have good Honours Degree, and for (1) and (2) good experience. Training desirable. Salaries according to qualifications. (1) £270-£10-£300; (2) £200-£10-£270; (3) £180-£10-£270. All appointments carry with them temporary war bonus of £39 per annum in addition to above salaries. Apply—HEAD MISTRESS, before May 16th.

THERE is a Vacancy in good

School in Southern County for SENIOR MISTRESS with a view to succession. Salary £100. Gross average receipts £1,400. Goodwill one term's fees. Furniture at Valuation. Apply—Messrs. J. & J. PATON, Educational Agents, 143 Cannon St., London, E.C.4.

Posts Vacant—continued.

CITY OF SHEFFIELD EDUCATION COMMITTEE.

CENTRAL SECONDARY GIRLS' SCHOOL. Head Mistress: Miss F. M. COUZENS, B.A. (Lond.).

Wanted in September:—

(1) CLASSICAL MISTRESS, with good Honours degree and experience. Initial salary £180 to £200 non-resident.

(2) GYMNASTIC AND GAMES MISTRESS. Experience essential. Dartford training preferred. Initial salary £150 to £180 non-resident.

A War Allowance of at least £20 per annum is guaranteed until 31st October, 1920.

Apply to the HEAD MISTRESS before 13th May.

H. S. NEWTON,

23rd April, 1919.

Secretary.

READING EDUCATION COMMITTEE.

KENDRICK GIRLS' SCHOOL.

CLASSICAL MISTRESS wanted in September. Degree essential and training or experience desirable. Initial salary from £170.

Application forms may be obtained from

THE CLERK to THE EDUCATION COMMITTEE,

Education Office,

Blagrove Street,

Reading.

HARROGATE MUNICIPAL

SECONDARY SCHOOL (DUAL).

Wanted, to commence duties in September next, an ASSISTANT MASTER. Candidates must be graduates, with qualification in Geography and Physical Exercises. Salary scale £180 to £450. Commencing salary according to experience.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials, should be sent to the CLERK to THE GOVERNORS, Education Offices, 5 Haywa Crescent, Harrogate, by the 15th May, 1919.

QUEEN ANNE'S SCHOOL,

CAVERSHAM, READING.—Wanted in September, MISTRESS to teach Botany, Chemistry and Physics. Degree and experience essential. Salary from £110 resident, according to qualifications. Apply—HEAD MISTRESS.

PENDLETON HIGH SCHOOL,

MANCHESTER.—Required, for September, a HISTORY MISTRESS. Honours Degree essential. Subsidiary subject, French or English suitable, but not essential. Apply—HEAD MISTRESS.

WARRINGTON TRAINING

COLLEGE.—Wanted, in September, two RESIDENT MISTRESSES OF METHOD: one for Teachers of older children, the other for Infants' Teachers. The latter will be required to take Handwork. Experience in each case essential. Degree and Teaching Diploma desirable. Commencing salary £140 to £150. Apply immediately to the Rev. the PRINCIPAL.

COWLEY GIRLS' SCHOOL,

ST. HELENS, LANCs.

(Endowed Secondary, 380 Pupils.)

Required, in September, (1) additional MISTRESS, to teach Chemistry in Middle School up to Senior Oxford standard. (2) SECOND FRENCH MISTRESS. Residence abroad and skill in the use of Phonetic Methods indispensable. Salary in both cases from £150, with £10 additions for honours, secondary diploma, experience, &c. Apply—HEAD MISTRESS.

LUDLOW HIGH SCHOOL FOR

GIRLS.—ENGLISH SPECIALIST required, in September. Subsidiary subjects: French and Latin. Initial salary from £180, increasing according to the county scale to £330. Apply at once to the HEAD MISTRESS.

WANTED, by a Lady Graduate, a

PARTNER in small modern School on South Coast. Prospects for future very promising. Address—No. 10.794.*

WANTED, in September, in High

School, a well-qualified MISTRESS for Art Needlework, other Handwork, some English. Address—No. 10.795.*

MUSIC MISTRESS required in

October, in Girls' Preparatory School. Degree or Conservatorium training essential. If not known previously, training will be given in the Chassevant Method during the first term. Good opening for a well-qualified young mistress. Address—No. 10.796.*

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years. The following are some of the Vacancies for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates for the Summer and September Terms, 1919:—

English and General Form Mistresses.

MISTRESS required in important Girls' Private School in South of England, to teach English and History. Degree essential. Salary up to £130 res., according to qualifications and experience.—No. 13,187.

TWO ASSISTANT MISTRESSES in important Girls' School in September, in the South of England, to teach between them the following subjects:—History, English, Latin, and Geography. Members of the Church of England are essential. Although resident, there is no supervision attached to these posts. Salaries up to £100, according to qualifications and experience.—No. 13,171.

ASSISTANT MISTRESS in September, at High-class Boarding School on the South Coast, to teach English. Only Oxford or Cambridge Graduates need apply. Salary from £90 res., according to qualifications and experience.—No. 13,114.

ASSISTANT ENGLISH MISTRESS, in first-class Girls' Boarding School on the South Coast, to commence duties in May, to teach English, Literature, History, Composition, and Geography. Salary about £90 res., according to qualifications.—No. 13,229.

ASSISTANT MISTRESS, to commence duties in May, in first-class Girls' Finishing School within easy distance of London, to teach English to children aged from nine to fourteen, also able to take some Arithmetic and History. Salary about £85 res.—No. 13,233.

ASSISTANT ENGLISH MISTRESS, to commence duties in May, in important Girls' Boarding School on South Coast, to teach good Arithmetic, Nature Study, and elementary English. Salary up to £100 res., according to qualifications.—No. 12,841.

ENGLISH SPECIALIST in large Girls' Boarding School in South of England, to teach English with Subsidiary French. Previous experience essential. Post will be res., and good salary, according to qualifications.—No. 12,779.

ONE or TWO MISTRESSES in Girls' High School in the Barbadoes, to commence duties as soon as possible. Subjects required: English, French acquired abroad, and Mathematics. Posts are res., and salaries up to about £100, according to qualifications. Passage will be paid.—No. 13,205.

Mathematical and Science Mistresses.

SCIENCE MISTRESS in first-class Girls' Boarding School in South of England, to teach good Physics, Chemistry, with Arithmetic as a subsidiary subject. Degree essential. Salary offered from £100 res., according to qualifications.—No. 13,186.

LECTURER in Botany to commence duties in September, in Training College in South-west of England. Salary up to £200 res., according to qualifications.—No. 13,132.

SCIENCE MISTRESS in first-class Girls' Boarding School on South Coast, to teach Botany, Physiology, with elementary Chemistry. Duties to commence in September. Salary £100 res., according to qualifications.—No. 13,113.

SCIENCE MISTRESS in first-class Girls' Boarding School on East Coast, to teach Chemistry, Physics, Botany, and Junior Mathematics. Salary from £100 res. Degree essential.—No. 13,054.

MATHEMATICAL MISTRESS in Grammar School in South of England, to teach Mathematics as chief subject. Candidates should also state subsidiary subjects. Duties to commence in May. Salary up to £180 non-res.—No. 13,231.

SCIENCE MISTRESS in important Girls' High School in North of England, to teach Botany, Physics, with some Chemistry. Zoology a recommendation. Degree essential. Salary up to £220 non-res.—No. 13,003.

SENIOR MATHEMATICAL MISTRESS, to take up duties in September, in important Girls' Boarding School in North of England. Degree essential. Elementary Physics a recommendation. Good salary given, according to qualifications. The post can be held either as a res. or non-res. one.—No. 12,926.

SCIENCE MISTRESS, in first-class Girls' Boarding School within easy distance of London, to teach Botany, Chemistry, and Modern Geography. Degree essential. Good salary given, according to qualifications and experience. Post can be held either as res. or visiting one.—No. 12,939.

Classical Mistresses.

CLASSICAL MISTRESS required in first-class Girls' Boarding School, to take up duties after Easter. Degree essential. Salary £100 res., according to qualifications.—No. 13,053.

TEMPORARY CLASSICAL MISTRESS, to commence duties after Easter, in important Girls' School in the South-west of England, to teach Greek and Latin. Post will be res. and good salary according to qualifications.—No. 12,690.

Modern Language Mistresses.

MODERN LANGUAGE MISTRESS required in high-class Girls' Boarding School in London, to teach good French, acquired abroad, throughout the School, also some Latin. Degree essential. Salary offered about £80 res., according to qualifications.—No. 12,730.

MODERN LANGUAGE MISTRESS, to commence duties in May, in good first-class Girls' Boarding School, within easy distance of London, to teach French throughout the School. Elementary German a recommendation. Salary from £100 res.—No. 12,720.

ASSISTANT MISTRESS, to teach good French up to Matriculation standard, to commence duties after Easter, in a Girls' High School in Scotland. The post res., and good salary according to qualifications.—No. 12,916.

FRENCH SPECIALIST, to commence duties in September, in important Girls' School in West of England. The post res. and good salary according to qualifications and experience.—No. 13,243.

FRENCH MISTRESS, who can also offer Italian, in first-class Girls' Boarding School, within easy distance of London, required to take up duties in September. The post res. and good salary according to qualifications.—No. 13,201.

Games and Domestic Science Mistresses.

PHYSICAL CULTURE MISTRESS required, to take up duties in September, in first-class Girls' Boarding School in South of England. Salary from £100 res.—No. 13,182.

PHYSICAL CULTURE MISTRESS, to take up duties in September, in first-class Girls' Boarding School on South Coast. Games and Dancing are also required. Post res., and good salary according to qualifications and experience.—No. 13,105.

2 MISTRESSES, for Physical Training, Massage, Theory, and Science work, at a Training College in London, to take up duties in May. Posts non-res., and good salaries according to qualifications and experience.—No. 12,786.

Music Mistresses.

MUSIC MISTRESS required in Church of England Convent, to take up duties in September. Music and Class Singing required. Post res., and salary from £60 according to qualifications and experience.—No. 13,238.

MUSIC MISTRESS, to take up duties in September, to teach good Class Singing and Piano. Violin will be additional recommendation. Salary about £90 res. Member of Church of England essential.—No. 12,629.

MUSIC MISTRESS to teach good Violin and elementary Piano in Boys' Public School in North of England. Salary £150 non-res.—No. 13,159.

Junior Form and Preparatory School Mistresses.

TEMPORARY JUNIOR FORM MISTRESS required in important Girls' High School in North of England, to take up duties after Easter. Froebel qualifications preferred but not essential. Salary at the rate of £120 to £165 non-res.—No. 13,240.

JUNIOR MISTRESS in Girls' High School, to take up duties in May, to teach general English subjects, French, and Nature Study. Salary from £60 res.—No. 13,153.

KINDERGARTEN MISTRESS in important Girls' High School, within easy distance of London. Previous experience and Froebel Certificate essential. Salary about £140 non-res., rising.—No. 12,877.

JUNIOR MISTRESS in first-class Girls' Boarding School, within easy reach of London, to teach children from 10 to 14 years in general subjects, with Handwork. The post res. and good salary according to qualifications.—No. 13,100.

ASSISTANT MISTRESS, to teach good Latin, with general English subjects, in first-class Boys' Preparatory School on South Coast. Salary £90 res., according to qualifications.—No. 13,165.

ASSISTANT MISTRESS, to take up duties in September, to offer good Drawing, Piano, and general Preparatory subjects, in first-class Boys' School in South England. Post will be res. and salary offered up to £100 res.—No. 13,096.

Messrs GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Truman & Knightley

SCHOLASTIC AGENTS LTD

ASSISTANT MISTRESSES DEPARTMENT.

Ladies with University or other qualifications and teachers of special subjects seeking appointments in Public and Private Schools should register with **Messrs. TRUMAN & KNIGHTLEY**, who will be pleased to give their requirements careful and personal attention.

There is no registration fee, and the commission charged to those for whom an appointment is secured is very moderate.

The following are selected from a large number of **Autumn Term Vacancies**, for which **Messrs. TRUMAN & KNIGHTLEY** have been instructed to put forward candidates.

SEPTEMBER VACANCIES FOR UNIVERSITY WOMEN.

ENGLISH, HISTORY, and GENERAL FORM MISTRESSES.

History Mistress for Church High School in the North. Experience recognized for registration and pension. Non-res. £150 to £160, or possibly more.—A 70377.

Principal for Training College for Women in Egypt under Government. Honours degree or equivalent, with experience of administration and organization. Training College experience a recommendation. Non-res. about £615 to £820 per annum and furnished quarters.—A 72467.

Middle School Form Mistress for Girls' Public School in Home Counties to teach English, some Mathematics, and some History. A good pass degree and training required. Non-res. £170 to £180.—A 71929.

Lecturer in Education and Mistress of Method for Elementary Training College for Women in Midlands. Graduate and a Churchwoman in sympathy with Evangelical views is looked for. Res. £250 to £300.—A 69527.

English Specialist for Girls' High School in Midlands. Honours degree and experience essential. Oxford Student preferred. Non-res. £220.—A 69976.

English Specialist for good Public High School for Girls in South-west Counties, to organize English teaching throughout the School. Honours degree essential. Non-res. £150 to £200.—A 72561.

English Mistress for large Public School in the Midlands, to teach English subjects in Junior School, including English Phonetics; Elocution a recommendation. Non-res. £170 to £200 increasing.—A 73440.

History Mistress for first-class Boarding School near London. Good qualifications essential. Res. up to £150.—A 70604.

Senior Form Mistress for Mixed Secondary School on South Coast. Good degree and experience essential. Non-res. up to £220, increasing to £320.—A 69911.

English Specialist for County Secondary School in the Midlands, with good experience or training. Non-res. from £150 to £200, plus £10 for each year of service, increasing up to £330.—A 73243.

History Mistress for important London Public School, to teach History throughout the school. Honours degree or equivalent, with experience in first-class Public School essential. Non-res. £280 increasing to £330.—A 73201.

Senior English Mistress for Public High School in the Midlands, to take Advanced Course in Modern Studies. Good qualifications and experience essential. Non-res. from £170 increasing to £350.—A 73142.

History Mistress for important Public School in Canada. Res. from £100 to £150, plus travelling expenses.—A 72937.

English Mistress for high-class Private School in Home Counties. Degree essential. Res. from £100.—A 73020.

History Mistress for large Public School near Manchester. English or French a recommendation. History Honours degree essential. Non-res. £160 to £200 or more.—A 69239.

Head Mistress for Wesleyan High School in South Africa. University Graduate with good experience. Res. £200 and passage.—A 71529.

Vice-Principal for Elementary Training College in the North of England, to be responsible for discipline and organization on academic side, arrange time-tables, and undertake some teaching. Good qualifications and experience essential. Churchwoman. Res. £200 or more.—A 73082.

MODERN LANGUAGE MISTRESSES.

Modern Language Mistress for Girls' High School in the North to teach French for Advanced Course work. Honours degree and experience essential. Non-res. £220, rising.—C 72172.

French Mistress for Church High School in Northern Counties to teach French throughout the School to Higher Local standard, and a little German. Oxford or Cambridge student who has lived abroad preferred. Non-res. from £160.—C 69676.

French Mistress for Public Boarding School in London. Knowledge of Phonetics. Res. from £100.—C 73057.

French Mistress for Church of England Boarding and Day School in Sussex. Good qualifications essential. Res. £140.—C 73237.

CLASSICAL MISTRESSES.

Classical Mistress for first-class Girls' Private School on the South-east Coast. Good qualifications essential. Res. £150.—C 71190.

Classical Mistress for first-class Public School for Girls near London. Oxford or Cambridge Student essential. Non-res. £180 to £250.—C 70539.

Classical Mistress for large Private Boarding and Day School on West Coast. Degree and experience essential. Res. £150, plus capitation fee.—C 73369.

Classical Mistress to teach up to scholarship standard in Church of England Boarding School in the Midlands. Res. £110 to £140.—C 73300.

Classical Mistress for Public High School in Scotland. Honours degree essential. Non-res. £150 to £170, rising to £220.—C 72978.

Assistant Mistress for important Public School in Scotland, with honours degree, to teach Latin throughout the school. Non-res. £160 to £220.—C 72588.

MATHEMATICAL, SCIENCE, and GEOGRAPHY MISTRESSES.

Mathematical Mistress for Secondary Day School in London. Subsidiary Science or Games a recommendation. Honours degree essential. Non-res. from £120, rising to £270 or £320.—C 72576.

Mathematical Mistress for Girls' High School near London to take Mathematics for Advanced Course work. Honours degree essential. Non-res. £200.—C 72118.

Head of Staff for high-class Private Day School near London to teach Mathematics and some other subjects. Experience essential. Graduate preferred. Non-res. £150 or more, with part board.—C 71808.

Mathematical Mistress for Church Public Boarding School for Girls in Midlands to teach to Scholarship standard. Degree essential. Churchwoman preferred. Res. from £90, according to experience and qualifications, rising to £270.—C 69677.

Mathematical Mistress for Church of England Public Day School in London. Non-res. from £140.—C 66642.

Mathematical Mistress for Middle and Lower School of Public Boarding School in Home Counties. Res. up to £120.—C 72916.

Mathematical Mistress for Public Boarding School in London. Res. £100-120.—C 73058.

Assistant Mathematical Mistress for Public Secondary School near London; good disciplinary essential. Young lady able to teach good discipline. Non-res. £150-190, rising to £320.—C 73299.

Science Mistress for first-rate Public School in N.W. of England to teach Chemistry and Botany. Res. £110 to £150, increasing to £200.—C 73316.

Lecturer in Botany for Church of England Training College in West of England. Res. £175-200.—C 72918.

Physics Mistress for important Public School in the Midlands to teach Mathematics in Middle School, and help with games. Non-res. £150-170 or more, increasing to £350.—C 73042.

Assistant Mistress to organize the Science teaching of a County Secondary School in the Midlands to teach Chemistry, Physics, and Botany. Non-res. £150-180, or more, increasing to £300.—C 73238.

Science Mistress for Church of England Public Boarding School in North of England to teach Botany and Zoology. Res. £100-150.—C 73178.

Lecturer for well known Physical Training College near London to take Physiology and Hygiene. Graduate preferred. Res. £130 to £150.—C 69110.

Science Lecturer for Elementary Training College for Women in South-west Counties to teach elementary Science and Botany. Graduate and Churchwoman essential. Res. £80 to £120.—C 61752.

Science Mistress for Girls' High School in Scotland to take Botany to Upper School and Nature Study to Junior School. Non-res. £160 to £180, rising by £10 to £220.—C 72679.

Geography Mistress for Public Secondary School for Girls in Home Counties to teach Geography throughout the School. Subsidiary English or Games a recommendation. Graduate essential. Training or experience a recommendation. Non-res. from £150, rising to £250.—A 71764.

Geography Mistress for Girls' High School in Midlands. Subsidiary work arranged; Science preferred. Good qualifications and experience desired. Non-res. £150 to £200, increasing.—A 72602.

Assistant Mistress for high-class Private Boarding and Day School in Midlands to teach Geography and subsidiary work which can be arranged. Good qualifications essential, and experience a recommendation. Res. about £100.—A 65385.

Truman & Knightley

SCHOLASTIC AGENTS LTD

VACANCIES FOR NON-UNIVERSITY WOMEN.

There is a large demand for well-educated gentlewomen with Higher Local or other good certificates, interested in children and in teaching, for teaching appointments in good Private Schools and as House Mistresses in Public Schools, where the work is not excessive, the conditions pleasant, and the holidays are long. Salaries range from £50 to £100 or more per annum, with board and residence, according to qualifications and experience. There are also many vacancies for Student Teachers and Junior Mistresses at salaries from £30 to £50 per annum, with board and residence.

SEPTEMBER VACANCIES FOR TEACHERS OF SPECIAL SUBJECTS.

KINDERGARTEN MISTRESSES.

Junior Form Mistress for Private School in South America, to sail in June. Res. £150 and passage.—J 73439.

First Form Mistress for Public Day School in S.E. of London, to teach English, Arithmetic, Handwork, and Singing to children of about 8 years of age. Non-res. £120-130.—J 73405.

Kindergarten Mistress to take charge of Kindergarten of 40 children attached to an important Public School in Scotland. Higher

N.F.U. certificate and some experience. Non-res. £140 or more, increasing to £200.—J 73216.

Froebel Mistress to take charge of Preparatory Department of important Public School in the Midlands, and train students. Experience essential. Non-res. £140 increasing to £170 or more.—J 72805.

Kindergarten Mistress to take charge of Junior Form of high-class Private School in Scotland. Froebel training and experience essential. Res. £80-£90.—J 72652.

Kindergarten Mistress for Public Secondary School in Yorkshire. Some Music or Drawing a recommendation. Non-res. £140 increasing to £250.—J 73166.

Kindergarten Mistress for Private School for Girls in Canada. Res. £90-£125.—J 73123.

Mistress to take charge of Kindergarten of 50 children attached to a large Public School in London, and train Kindergarten students. Good experience essential. Non-res. post with good salary.—J 73266.

ART MISTRESSES.

Art Mistress for important Public School in Canada. Good qualifications and experience. Res. £100 to £150 and passage.—B 72946.

Art Mistress for Church of England High School in the Midlands, to prepare for Ablett's Examinations and teach Art to Froebel students. Non-res. from £140.—B 73372.

Art and Needlework Mistress for large High School in Scotland. Experience essential. Res. £80 to £90, plus pension scheme.—B 73124.

Art Mistress for Private School in South America, to teach Drawing, Painting, and Arts and Crafts. Res. £150 and passage.—B 73438.

GYMNASTIC AND GAMES MISTRESSES.

Second Gymnastic Mistress for large Public Secondary School in Liverpool, to teach Gymnastics, Remedial work, Dancing, and Games. Churchwoman. Dartford or Bedford training. Res. £80 or more, increasing to £130.—B 73196.

Mistress to teach Physical Exercises, Dancing, and Games, for Training College in the Midlands. Good training and experience, and Churchwoman essential. Res. £120 to £140 commencing.—B 72687.

Gymnastics Mistress for high-class Boarding School in Surrey, to teach Gymnastics, Remedial work, Games, and Hygiene. Res. £90 to £100, plus extra fees for Remedial work.—B 73022.

MUSIC MISTRESSES.

Music Mistress for Public High School in Scotland, to teach Solo and Class Singing, Dictation, and elementary Piano. Non-res. £160 to £180, plus fees.—B 72967.

Head Music Mistress for Diocesan Secondary School in India to teach Pianoforte, Class Singing, and Harmony. A diploma, or first-rate training, good experience and Churchwoman essential. Res. £135 to £160 and passage.—B 73129.

Senior Music Mistress for Church of England Boarding and Day School in Sussex, to teach Pianoforte, Theory, Harmony, and Class Singing. Churchwoman. Res. £75 to £80.—B 73305.

Singing Mistress for important Public School in the Midlands, to teach Solo and Class Singing, Choir Training, &c., with Pianoforte and Violin as secondary subjects. Res. up to £90, increasing according to scale.—B 72190.

DOMESTIC SCIENCE MISTRESSES.

Domestic Science Mistress for Private School in South America, to teach Cookery, Needlework, and Dressmaking. Res. £150 and passage.—B 73437.

Domestic Science Mistress for Church of England Public Boarding School in the Midlands, to teach Cookery, Laundrywork, and Needlework. Res. £80 to £100.—B 73306.

Domestic Science Mistress for Public Secondary Day School in Eastern Counties, to teach Cookery, Housewifery, and Needlework. Non-res. from £140.—B 73184.

Domestic Science Mistress for large Public Secondary School near Liverpool, to teach Cookery, Laundry, Housewifery, Needlework, and Dressmaking. Churchwoman essential. Res. £80 to £100, increasing to £150.—B 73197.

SEPTEMBER VACANCIES FOR NATIVE FRENCH TEACHERS.

Well-qualified young French lady required for Girls' Public Boarding School in Scotland. Knowledge of English and some experience necessary. Railway fare from London paid. Res. £70 rising to £90.—F 72992.

French Mistress for high-class Boarding School in Eastbourne, able to teach advanced French in Upper Forms. Good experience essential. Non-res. £140-£150.—F 71578.

French Mistress for high-class Private School in Surrey. Experience in English Boarding School essential. Res. £60.—F 72010.

French Mistress with Brevet Supérieur and English school experience for Public High School in Eastern County. Chiefly for Conversation and Dictation. Non-res. £150.—F 72526.

MATRONS & HOUSE-MISTRESSES DEPARTMENT.

Messrs. TRUMAN & KNIGHTLEY have many vacancies in Public and Private Schools for Boys and Girls for experienced School Matrons, House Mistresses, and Housekeepers at salaries ranging from £50 to £100 per annum, with board and residence.

ASSISTANT MASTERS DEPARTMENT.

This department is under the personal direction of Mr. HEARD (of Westminster and Trinity College, Cambridge), who is in personal touch with the Head Masters of many of the leading Public, Secondary, and Preparatory Schools in the British Isles. There are already a large number of good appointments on the books for September.

No Charge for Registration.

Moderate Commission.

Offices :

158-162 OXFORD STREET, LONDON, W.1.

Telegrams: "TUTORESS," Phone, London.

Telephone: Museum 1136.

University Tutorial Press.

SELECTED :: EDUCATIONAL :: BOOKS.

Botany and Nature Study.

The Senior Botany. By FRANCIS CAVERS, D.Sc., Lecturer in Biology at Goldsmiths' College. Second Edition. **5s. 6d.**
A School course of Botany in which great stress is laid on outdoor and indoor observation and experiment.

Junior Botany. By FRANCIS CAVERS, D.Sc. **3s. 6d.**
Encourages observation and experiment on living plants, and the study of adaptation to environment.

Textbook of Botany. By J. M. LOWSON, M.A., B.Sc., F.L.S. Fifth Edition, Revised and Enlarged. **8s. 6d.**
The standard of this book is that usually required for University Scholarships. The chief aims are simplicity and clearness of statement as regards both facts and principles.

A First Course in Plant and Animal Biology. By W. S. FURNEAUX. **2s. 9d.**
The object of this book is to provide young beginners with a course of Nature Study closely in touch with scientific methods.
The numerous illustrations are a special feature of this work.

Life Histories of Common Plants. By Dr. FRANCIS CAVERS. **4s.**
The greater portion of the work is devoted to detailed instructions for the study, by observation and experiment, of typical plants.

Practical Botany. By FRANCIS CAVERS, D.Sc. Second Edition. **5s. 6d.**
In addition to the ordinary practical work this book also contains experiments on the Physiology of Plants and their response to external stimuli, and on the Chemistry of Plant substances.

School Gardening, with a Guide to Horticulture. By ALBERT HOSKING, Lecturer in Horticulture and Chief Supervisor of School Gardens, West of Scotland Agricultural College. **3s. 6d.**
This book affords teachers sound guidance in the correct methods of teaching his subject and of organizing the classes.

Languages, History, and Geography.

Junior English Grammar, with Parsing and Analysis. By A. M. WALMSLEY, M.A. Second Edition. **2s.**
Based mainly on inductive methods. The recommendations of the Joint Committee on Grammatical Terminology have been completely adopted throughout.

The Matriculation English Course. By W. H. LOW, M.A., and JOHN BRIGGS, M.A. Third Edition. **4s. 6d.**
A graduated course in English grammar, composition, and précis-writing.

An Anthology of English Verse. For use in Schools and Colleges. By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. **3s. 6d.**
A selection of the best in all branches of English poetry except the dramatic, from Wyatt to Swinburne.

The Tutorial History of English Literature. By A. J. WYATT, M.A. Third Edition, continued to the present time. **3s. 6d.**
Attention is devoted to the important aspects of the work of the chief English authors, while tracing the development of our literature.

A Social History of England. By FREDERICK BRADSHAW, D.Sc., M.A. **5s.**
An elementary account suitable for use in the upper forms in schools of the social and economic development of England.

Textbook of Geography. By G. C. FRY, M.Sc. **5s. 6d.**
For use in middle and upper forms. Stress is laid on the interconnexion of Physical, Political, and Economic Geography.

New Junior French Course. By G. A. ROBERTS, M.A. **3s. 6d.**
A year's course in Reading, Grammar, and Translation into French, with material for oral practice, for use in the junior and middle forms of schools.

Direct French Course. By H. J. CHAYTOR, M.A., Head Master of Plymouth College. Illustrated. **2s.** With Vocabulary. **2s. 9d.**
This book is designed for use by pupils of 12 or 13 years of age who are commencing the study of French.

Matriculation French Essays. By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A., Examiner in the University of London. **2s.**
A carefully graduated course in Free Composition in French.

Education.

Principles and Methods of Teaching. By JAMES WELTON, D.Lit., M.A., late Professor of Education in the University of Leeds. Second Edition, Revised and Enlarged. **7s. 6d.**
In this work the treatment is theoretical in the sense of setting forth a consistent body of doctrine. But that the principles and methods here set forth are practical has been proved by the successful working of them in school.

Teaching: Its Nature and Varieties. By BENJAMIN DUMVILLE, M.A., F.C.P., late Master of Method and Lecturer on Education in the Islington Day Training College. **5s. 6d.**
An analysis of the processes of teaching as they occur in all subjects. The author examines the nature of the teaching itself, showing why certain methods should be employed.

Principles and Methods of Moral Training, with Special Reference to School Discipline. By JAMES WELTON, D.Lit., M.A., and F. G. BLANDFORD, M.A., Lecturer in Education in the Cambridge University Training College. **4s. 6d.**
This work treats of the general nature of good character—duty, virtue, conscience; of the school as a moral community in which good character is developed, &c.

Psychology, Experimental, in relation to Education, An Introduction to. By C. W. VALENTINE, D.Phil., M.A. **3s. 6d.**
An Introductory Course in Experimental Psychology as applied to Education, for the use of Teachers and Students in Training Colleges.

Textbook of Hygiene for Teachers. By R. A. LYSTER, M.D., B.Sc., D.P.H., Medical Officer of Health for Hampshire. **5s. 6d.**
Meets all the requirements of the Board of Education Syllabuses for Teachers in Training and for the Teachers' Certificate, Section M.

School Organization. By S. E. BRAY, M.A., Inspector of Schools to the London County Council. With a Chapter on "The Place of the Elementary School in a National System of Education," by Sir I. F. YOXALL. Second Edition. **4s.**

Mathematics, Physics, and Science.

The School Arithmetic. By W. P. WORKMAN, M.A., B.Sc. With or without Answers. Second Edition. **4s. 6d.**
An edition of *The Tutorial Arithmetic*, in which portions dealing with the higher theory and over-difficult problems are omitted.

Rural Arithmetic. By A. G. RUSTON, B.A., B.Sc., Science Tutor in the Department of Agriculture in the University of Leeds. **4s. 6d.**
Specially suitable for use in secondary rural schools working under the schemes of the Boards of Education and Agriculture.

School Algebra. By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **7s.**
A course of Algebra as far as the binomial theorem for positive integral indices, suitable for upper forms.

Preliminary Geometry. By F. ROSENBERG, M.A., B.Sc. With or without Answers. **2s. 9d.**
This is a textbook for young learners beginning the study of Geometry between the ages of 11 and 13. From the beginning the author insists on the learner's reasoning from first principles. The language used throughout is simple.

The School Magnetism and Electricity. By R. H. JUDE, D.Sc., M.A. **4s. 6d.**
For use in the upper forms of secondary schools. Based on Potential and Potential Gradient.

Junior Experimental Science. By W. M. HOOTON, M.A., M.Sc. F.I.C. Second Edition. **3s. 6d.**
A two years' course in Physics and Chemistry, which students may commence when about thirteen years of age.

Senior Chemistry. By G. H. BAILEY, D.Sc., Ph.D., and H. W. BAUSOR, M.A. Second Edition. **5s. 6d.**
A theoretical textbook for upper forms of schools, illustrated by a large number of experiments.

Junior Chemistry. By R. H. ADIE, M.A., B.Sc., Lecturer in Chemistry, St. John's College, Cambridge. Second Edition. **3s. 6d.**
A two years' Junior course of combined theoretical and practical work.

Complete Educational Catalogue, and Catalogue of Class Books for Secondary Schools, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

London: Printed by C. F. HOBGSON & SON, Newton St., Kingsway, W.C.2; and Published for the Proprietors by Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

5721

Supplement to
THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 598.

MAY 1, 1919.

Cambridge University Press

NEW PUBLICATIONS

A History of American Literature. Edited by W. P. TRENT, LL.D., Professor of English Literature in Columbia University; J. ERSKINE, Ph.D., Professor of English in Columbia University; S. P. SHERMAN, Ph.D., Professor of English in the University of Illinois; C. VAN DOREN, Ph.D., Head Master of the Brearley School.

Volume II now ready. Royal 8vo. 17s 6d net

This is the second of three volumes supplementary to *The Cambridge History of English Literature*

Cambridge Readings in Literature.

A Series of Anthologies from Homer to Masfield, illustrated with reproductions of pictures by great masters, from Botticelli to William Orpen. Edited by GEORGE SAMPSON. In five books. Crown 8vo. In three styles of binding, viz:—Cloth boards, uncut edges, with bookmarker; cloth limp; and cloth flush. Books I, II, III, 5s net, 4s 3d net, and 3s 6d net, each respectively, according to binding. Books IV and V, 6s net, 5s net, and 4s net

"We have never seen more delightful books of their kind and we predict that they will receive the most cordial of welcomes from teachers of English."—*The Scottish Educational Journal*

Macaulay: History of England, Chapter I. Edited by W. F. REDDAWAY, M.A. Fcap 8vo. 2s 3d net

A Short Italian Dictionary. By ALFRED HOARE, M.A. Demy 8vo. **Volume II—English-Italian.** Ready immediately.

Volume I—Italian-English. Previously published. 9s net

"May be heartily recommended as far and away the best portable dictionary of Italian we have met with. We have tested it with newspapers, fiction, and scientific writings, and in each case it has proved its utility. It has a useful preface giving the conjugation of Italian verbs, and is remarkably free from misprints."—*The Saturday Review* on Vol. I

Lermontov's Novice. Russian text, accented, with introduction, notes, and vocabulary by J. D. DUFF, M.A. Crown 8vo. 5s net

The notes are intended to explain briefly whatever seemed likely to puzzle a reader fairly familiar with the elements of Russian accidence. The vocabulary contains all the words which occur in the text.

The Faith of a Subaltern. Essays on Religion and Life. By Lieutenant ALEC DE CANDOLE, killed in action September, 1918. With a Preface by the Very Rev. the DEAN OF BRISTOL, and a Portrait. Crown 8vo. 2s 6d net

"I strongly recommend to the attention of clergy and laity alike this young officer's vigorous profession of the faith that was in him. It is a valuable contribution to religious thought. . . . There is maturity of grasp of problems and of handling, and evidence of a deeply religious life. The author commands attention by his obvious sincerity, as well as by his ability."—*Extract from the Preface*

The Collected Historical Works of Sir Francis Palgrave, K.H. Edited by his son, Sir R. H. INGLIS PALGRAVE, F.R.S. To be completed in 10 volumes. Royal 8vo. Volumes I and II now ready. 30s net each

Vol. I—The History of Normandy and of England (Vol. I). With memoir, introduction, frontispiece, and 4 maps.

Vol. II—The History of Normandy and of England (Vol. II). With 3 maps.

"Neither cost nor care has been spared in rendering this new edition worthy of the achievement and the place of the author as an investigator and exponent of English history."—*The Scotsman*

The Reign of Henry V, Vol. II (1415–1416). By J. H. WYLIE, M.A., D.Litt., late H.M. Divisional Inspector of Schools, Ford's Lecturer in the University of Oxford, 1899. Royal 8vo. 30s net

"The book is a mine of information on the social life of the time; it deserves, not a mere cursory reading, but serious and sustained study. Probably no historian has made more fruitful use of manuscript sources which are as yet uncalendared; while the author's work is as remarkable for sound judgment as it is for painstaking accuracy. He is as intimately acquainted with foreign history as with English."—*The Athenæum* on Vol. I

History of Modern France, 1815–1913. By EMILE BOURGEOIS. In two volumes. Crown 8vo. With a map. Volume I, 1815–1852. Volume II, 1852–1913. 21s net. Cambridge Historical Series.

In these volumes M. Bourgeois has traced the lines of that remarkable political evolution through which France has been able to realise the principles and to establish the institutions of democracy.

Germany, 1815–1890. By Sir A. W. WARD, Litt.D., F.B.A., Master of Peterhouse. In three volumes. Crown 8vo. Vol. I, 1815–1852, with a map. Vol. II, 1852–1871, with 19 maps and plans. Vol. III, 1871–1890, with two Supplementary Chapters and two maps. 12s 6d net. Cambridge Historical Series.

"A book which gives a record of the most important events in German history, and as a handbook for students is probably superior to anything of the same kind that has been produced in Germany itself."—*The Times*

Latin Epigraphy. An introduction to the study of Latin Inscriptions. By Sir JOHN EDWIN SANDYS, Litt.D., F.B.A., Fellow of St John's College and Public Orator in the University of Cambridge. Demy 8vo. With 50 illustrations. 12s 6d net

This, the first introductory manual of Classical Latin Epigraphy to be published in England, includes a survey of the inscriptions quoted by classical authors, an outline and bibliography of the modern study of the subject, specimens of the several classes of inscriptions with fifty facsimiles or other illustrations, and chapters on the language and style, and on the restoration and criticism of inscriptions.

Botany. A Textbook for Senior Students. By D. THODAY, M.A., Lecturer in Physiological Botany and Assistant Director of the Botanical Laboratories in the University of Manchester. Revised and enlarged edition. Large crown 8vo. With 230 figures. 7s 6d net

"It would be difficult to speak too highly of this admirable handbook. It is clear and concise without being dry. . . . The illustrations are beautiful and worthy of much study."—*Education* on the First Edition

FETTER LANE, LONDON, E.C.4: C. F. CLAY, MANAGER

SCIENCE

ELEMENTS OF GENERAL SCIENCE (Revised Edition)

By O. W. CALDWELL, Ph.D., and W. L. EIKENBERRY. 8vo. Cloth. xii + 404 pages. Illustrated. **5s. 6d. net.**

This volume presents an introductory course on sound lines covering the whole range of science. The revised edition, as compared with the earlier one, contains an additional 100 pages, an entire part devoted to astronomy, and chapters on electricity. The topics discussed are grouped under six major headings: I. The Air. II. Water and its Uses. III. Work, Energy, and Electricity. IV. The Earth in Relation to other Astronomical Bodies. V. The Earth's Crust. VI. Life upon the Earth. While the present edition also contains much new material relating to the applications of science to household, community, and industrial problems, and numerous illustrations, many of them of the "how it works" type, it accords adequate treatment to the formal and theoretical aspects of the subject and will, it is believed, lead the student to acquire those habits of accuracy and the spirit of investigation which make the subsequent study of the differentiated sciences at once more profitable and interesting.

FIRST COURSE IN CHEMISTRY

By W. MCPHERSON and W. E. HENDERSON. 12mo. Cloth. x + 416 pages. Illustrated. **6s. net.**

A book which embodies the latest results of laboratory research. It is intended primarily for those students beginning chemistry, whose study of the subject will cease when they leave the secondary school, though it also furnishes a thorough foundation for those who intend to specialize in the science. The theoretical portions of the subject are developed briefly and as a natural outcome of facts already presented, emphasis being placed wherever possible on the applications of chemistry to metallurgy, manufacture, agriculture, household chemistry, and sanitation. The book contains many interesting illustrations of these applications and photographs and biographical details of the world's great chemists.

A FIRST COURSE IN PHYSICS

By R. A. MILLIKAN and H. G. GALE. 12mo. Cloth. 482 pages. Illustrated. **6s. net.**

In this book the authors have developed their subject on inductive lines, starting by considering the *hows* and *whys* of some simple experiment or well-known phenomenon, and gradually leading the student back to the great principles about which the apparently disconnected facts of physics group themselves. As in **First Course in Chemistry** much attention has been devoted to the applications of physics in everyday life, while the illustrations include photographs of the most notable achievements of physics, and portraits and details of biographical interest of eminent modern physicists as well as of the great pioneers of the science.

THE CARSON-SMITH MATHEMATICAL SERIES

By G. ST. L. CARSON, M.A., M.Sc., Reader in Mathematics in the University of Liverpool, formerly Head Mathematical Master in Tonbridge School; and DAVID EUGENE SMITH, Ph.D., LL.D., Professor of Mathematics in Teachers' College, Columbia University.

ELEMENTS OF ALGEBRA

Part I. 340 pages. Illus. **3s. 6d. net.**
Part II. 214 pages. Illus. **3s. 0d. net.**
Parts I and II. 538 pages. Illus. **5s. 6d. net.**

PLANE GEOMETRY

Part I. 266 pages. Illus. **3s. 0d. net.**
Part II. 216 pages. Illus. **3s. 0d. net.**
Complete. 482 pages. Illus. **5s. 6d. net.**

Answers can be obtained to both books if desired.

ELEMENTS OF ANALYTIC GEOMETRY

By P. F. SMITH and A. S. GALE. 8vo. Cloth. 424 pages. **10s. 6d. net.**

A book which presents all the elementary methods and ideas of analytic geometry as a general science rather than as a detailed treatment of conic sections. The subject is developed after the Euclidean method of definition and theorem without, however, adhering to formal presentation. Each method is summarized in a rule and stated in consecutive steps, and many illustrative examples are worked out in the text.

NEW ANALYTIC GEOMETRY

By P. F. SMITH and A. S. GALE. 12mo. Cloth. 342 pages. **7s. 6d. net.**

This volume provides a thorough and adequate preparation for the study of the calculus and applied mathematics. The subject matter differs in many respects from that included in modern textbooks, the authors having recognized the great importance, in the applications, of the exponential and trigonometrical functions, of setting up and studying functions by their graphs, of parametric equations and the locus problem, and of fitting curves to points determined by empirically given data, and chapters covering all these topics have been included.

INTRODUCTION TO ANALYTIC GEOMETRY

By P. F. SMITH and A. S. GALE. 8vo. Cloth. 217 pages. **6s. 6d. net.**

The first nine chapters of the authors' **Elements of Analytic Geometry** (q.v.) form the basis of this textbook. The volume outlines a course giving an adequate minimum preparation for the calculus and presents a short but thorough course in analytic geometry.

ELEMENTS OF THE DIFFERENTIAL AND INTEGRAL CALCULUS. (Revised Edition)

By W. A. GRANVILLE and P. F. SMITH. 8vo. Cloth. 463 pages. **12s. 6d. net.**

A book which treats of all the topics from which a selection would naturally be made in preparing students either for elementary work in applied science, or for more advanced work in practical mathematics, and is suitable for the pupil who has completed an introductory course but is not yet capable of working with advantage from larger advanced treatises on the calculus. This revised edition incorporates those changes due to recent developments in the study of the calculus and includes a large number of examples without answers, miscellaneous examples, and much practical problem material based on knowledge that all students of the calculus have at their command.

CATALOGUE ON APPLICATION.

GINN AND COMPANY, 9 St. Martin's Street, Leicester Square, London, W.C.2



**SELECTED
LIST.**

COMPOSITION AND READING BOOKS.

LESSONS IN COMPOSITION.

By J. EATON FEASEY, Head Master of Ranmoor Council School, Sheffield.

A series of books for Scholars in Middle and Upper Classes, which aim at training the child's power of expression in words when dealing with subject-matter of all sorts, but chiefly with imaginative exercises.

(Specimens gladly sent to Head Teacher applicants.)

Book.	Pp.	Illustrations.	Paper.	Cloth.
I	56	10 full page	5d.	6d.
Ia	59	9 " "	5d.	6d.
II	64	7 " "	6d.	7d.
Ila	64	7 " "	6d.	7d.
III	78	4 " "	6½d.	7½d.

Teaching Composition. By the same author.
A Teacher's book for use with the above series. 212 pp. with illustrations. 3s. 6d. net.

Preliminary Self-Help Exercises in English. By J. HARDMAN, A.C.P.

Short passages of acknowledged excellence from standard authors are given, and exercises are set to draw the pupil's attention to special and interesting points. 64 pp., paper 6d., cloth 7d.

English Grammar and Composition.
By W. G. WESTON, M.A., B.Sc.

A Manual of Grammar taught through Composition. Not a set of rules and definitions divorced from practical use, but an attempt to arouse intelligent interest in the facts of the language. Crown 8vo, 320 pp., 3s. net.

The Story of a Coal Mine. By T. W. BERRY,
F.C.S., Director of Education, Rhondda.

A Mining Reader, in which simple questions are appended to each chapter as suggestive systematic exercises. Some elementary instruction in mining is carried out in a readable manner. 72 illustrations. 1s. 6d.

The Triumph of Man. With 130 illustrations.
A reading book for boys and girls from twelve to sixteen years old. Contains a simple account of wind, water, steam, and electricity and their applications; of iron and steel and their uses, &c. 2s. net.

Europa's Childhood and Growth,
By A. J. BERRY, M.A. (Oxon.), Director of Education, Preston.

A beautifully illustrated reading-book, giving a general account of the history of Europe approached through Geography. 281 pp., 2s. net.

Britannia's Growth and Greatness.
By the same author.

An historical geography of the British Empire. Adopted by the Oxford Delegates as textbook for the Preliminary Examination. 304 pp., 60 illustrations, 2s.

The True Patriot's Book. By ORME AGNUS.

An ideal citizenship reader, which is both well written and well illustrated. A lucid account is given of the origin of the Great War. 168 pp., 1s. 9d.

Sir Isaac Pitman & Sons, Ltd.

will be pleased to forward you, post free, a copy
of their Educational Catalogue containing fuller
details of these and other suitable books immedi-
ately on receipt of a card at—

1 Amen Corner, London, E.C. 4.

REVIEWS AND MINOR NOTICES.

THE STUDY OF RUSSIAN: SOME NEW BOOKS.

- (1) *A Practical Russian Grammar*. Part I. By R. T. CURRALL. (3s. 6d. Harrap.) (2) *Selections of Russian Poetry*. By B. A. RUDZINSKY. (2s. 6d. Blackie.) (3) *A Russian Vocabulary*. By E. G. UNDERWOOD. (2s. 6d. Blackie.) (4) *Russian Accentuation*. By E. G. UNDERWOOD. (3s. 6d. Blackie.) (5) *Russian Lyrical Poetry*. By A. E. TEBBUTT. (Kegan Paul.) (6) *Kegan Paul's Russian Texts*.—*The Signal*, and *Four Days on the Field of Battle*. By V. GARSHIN. Edited by J. H. FREESE. (2s.) (7) *Oxford Russian Plain Texts Series*.—*Select Fables* (KRILOV), edited by E. G. UNDERWOOD (1s. 3d.); *Men Servants of other Days* (GONCHAROV), edited by NEVILL FORBES (1s. 6d.); *In the Night*, and *Easter Eve* (KOROLENKO), edited by NEVILL FORBES (1s. 6d.).

There are indications that the reaction against the study of Russian, which followed the defection of the Russian army from the alliance, is coming to an end, and that, with the stabilization of political conditions in that unhappy country, Russian will take its proper place in the educational curricula in Great Britain and other countries. The arguments for a widespread interest in this language on the part of Englishmen and women, and English boys and girls in particular, still hold good: they may be grouped under two heads: utilitarian and literary or philological. The field open to British trading interests in Russian-speaking countries is wider and the opportunities greater than in any other expanse of territory in the world, South America itself not excepted; and Russian is the key language to a host of other tongues—the Slavonic group which includes Polish, Bulgarian, Serb, Montenegrin, and other Balkan languages, and has a greater wealth of inflexion and expresses more subtle distinctions than Greek or French respectively. Whatever may be said against it as a subject for secondary education, Russian school books appear to pour forth from English printing presses in ever-increasing volume.

(1) Part I of a "Practical Russian Grammar," by Mr. R. T. Currall, comes from Messrs. George G. Harrap & Co. The appearance of another comprehensive grammar, when there are already at least two very complete and very successful grammars in this country, is in itself of some significance. Mr. Currall makes a special feature of phonetics; he puts forward a new method of dealing with the verb which takes the Past tense (so called) first, and postpones a treatment of aspects to a much later stage. The book contains an elaborate vocabulary and some excellent exercises, and is on the whole a valuable contribution to a serious study of the Russian language.

(2) "Selections of Russian Poetry," by Mr. B. A. Rudzinsky, contains work by the leading Russian poets—excluding those of to-day and beginning with Karamzin; instead of a vocabulary the book has quite literal prose renderings of the verse, and short biographical introductions. It should be of use to those students who have passed the first stage in the study of the language. From Messrs. Blackie & Son comes also (3) "A Russian Vocabulary: the 1,000 commonest words with their English equivalents." Its author, Mr. E. G. Underwood, claims that "in probably no other language is the learning by heart of groups of words so conducive to general progress; the number of actual roots in Russian is not great, and if those included in this book are known the knowledge so gained should supply the key to many thousands of other words since the number of compounds is enormous." It is certainly "easier to learn two—or even three or four—words than one by the association in groups or pairs of words similar, cognate, or opposite in meaning or form," and these principles appear to have been well applied in the compilation of this vocabulary.

(4) "Russian Accentuation," by the same author and from the same publisher is a short work—the only work we have so far seen in English—giving practical rules as to the occurrence of the tonic accent in Russian. Accentuation is admittedly

the greatest difficulty of the spoken language; and this book, its style being simple and clear, and its matter tabulated and systematized, should be of considerable use both to beginners and to those who have already made some progress.

(5) "Russian Lyrical Poetry," an anthology by Mr. A. E. Tebbutt, contains a selection of nineteenth century lyrics beginning with Pushkin and ending with Maikov. While the selection can scarcely be said to be representative of the best of Russian lyric poetry, it has the advantage of including several poems which have not before appeared in English editions. The "notes" are extremely heavy and occupy 100 pages to 60 pages of text; they are not, moreover, very helpful, and are an ineffective alternative to a good vocabulary, which is altogether lacking. We disagree with much that we find in the Preface. A good deal is quite out of place in an anthology of poetry. Mr. Tebbutt asks, for example, "how many students of Russian connect, for instance, замо́къ (castle) and замо́къ (key), with замы́кать (to shut) отмы́кать (open), or ро́е (woe) with го́рький (bitter). We should have said that the connexion was obvious to the merest beginner; it must also be added that замо́къ does not mean "key," but that is probably only a slip on Mr. Tebbutt's part. If sound progress is to be made in the study of Russian in this country it will be necessary to produce editions of a much higher standard of scholarship than is shown in this work.

In (6) Garshin's "The Signal," and "Four Days on the Field of Battle," edited by Mr. J. H. Freese, a useful addition has been made to Messrs. Kegan Paul's Russian Texts; the stories are excellent examples of vigorous modern Russian and the notes and vocabulary are adequate. To the Oxford Russian Plain Texts (7) have been added Krilov, "Select Fables," edited by Mr. E. G. Underwood; Goncharov, "Men Servants of Other Days"; and Korolenko, "In the Night" and "Easter Eve," both edited by Mr. Nevill Forbes. These are well chosen examples of Russian classics, produced in an attractive format at a low price.

THE PRINCIPLES OF ASSOCIATION.

Studies in Word-Association. Experiments in the Diagnosis of Psychopathological Conditions carried out at the Psychiatric Clinic of the University of Zurich.
By Dr. C. G. JUNG. (Heinemann.)

The significance of the principles or "laws" of association for a proper understanding of the working of the mind has been familiar to philosophical psychologists from Plato and Aristotle down to the last members of the so-called English school of psychology. The experimental study of association began in this country with Galton's studies in 1879; and was elaborated by Wundt and his disciples during the succeeding decade in Germany. The work carried out at the Psychiatric Clinic in Zurich by Jung and his colleagues, and published in 1904, gave a new direction to those investigations. The hypothesis of unconscious mental complexes, which has played such a celebrated rôle in the discussions of the doctrines popularly associated with the name of Freud, was largely based upon the results of Jung's experiments, although suggested, elaborated, and confirmed by the broader methods of psychoanalysis.

Of recent years the views of Jung have diverged from the tenets of the stricter followers of Freud, and have been launched upon more speculative and, in the view of many, less scientific lines of thought in books already translated into English. It is, therefore, doubly valuable to have published—thanks to the generosity of Mrs. Harold F. McCormick—an authorized translation of the earlier series of papers which first appeared in the *Journal für Psychologie und Neurologie*. Dr. Eder, who has himself made valuable contributions to the subject treated, has produced a translation which differs from most translations of psychoanalytic books in being not only accurate, but also clear in meaning and readable in style.

The method used by Jung is simple. It is clearly described in the paper on the associations of normals—the longest paper in the book. A prearranged list of words is called out to the

patient, and he is instructed to reply to each with the first word that occurs to his mind. The time taken to reply is measured in fifths of a second by a stop-watch. The replies are classified according to an elaborate scheme; and slow reactions are particularly noted as probably betraying some repressed emotional interest or "complex."

In the present volume the majority of papers are concerned with the application of the procedure to psychoanalysis; they prove conclusively its value in the diagnosis of mental conflicts and complexes underlying hysteria and other morbid states.

To the educationist perhaps the chief interest lies in Jung's demonstration of various individual peculiarities or "temperaments" in the normal mind; for example, the "objective" type, the "subjective" or "egocentric" types, including the "predicate," the "simple constellation," and the "complex constellation" types. The influence of education upon the results is discussed at length; paradoxically enough, the reactions of the educated appear shallower and more superficial than those of the uneducated. The book includes a most suggestive paper upon the mental associations of the feeble-minded. The conclusion is drawn that in the associative reaction experiment we have a valuable adjunct for the diagnosis of mental deficiency, as well as of disorders of an emotional and functional character.

PALGRAVE'S HISTORICAL WORKS.

The Collected Historical Works of Sir Francis Palgrave.
In Ten Volumes. Vols. I and II: *History of Normandy and England*. Edited by Sir R. H. INGLIS PALGRAVE.
(30s. net. Cambridge University Press.)

The Cambridge University Press has commenced the considerable task of printing in ten handsome and portly volumes—each about the size of a volume of the "Cambridge Modern History"—the collected historical works of Sir Francis Palgrave. It is a remarkable undertaking, particularly at the present stage of the world's development. Sir Francis Palgrave died in 1861 at the age of seventy-three, leaving his "History of Normandy and England" unfinished. He had spent an honourable and distinguished life in the public service. Beginning his career as a solicitor, he had been called to the Bar in 1827. At the same date he commenced to work for the Record Commission appointed by Lord Liverpool's Government. He was soon afterwards one of the Commissioners who drew up the famous report on which the Municipal Corporations Act of 1835 was based. In 1838 he was made Deputy-Keeper of the Public Records, and he held this post until his death, twenty-three years later.

His position as custodian of the national archives enabled him to make original and important researches into the early history of the English Constitution. Out of them all he gradually evolved a theory with which his name will be permanently associated. This theory was that the Roman Empire did not pass away in the fifth century of the Christian era, but continued to exist among the barbarian peoples—Franks, Anglo-Saxons, Visigoths, &c.—and was, indeed, the primary formative influence in the creation of their respective polities. He unquestionably recovered the key to the history of the Middle Ages, and so rendered service of inestimable value to all later historians. His tendency, it is true, was to exaggerate the dominance of the Roman element, both in the Anglo-Saxon constitution and in the institutions of Normandy. But he corrected an opposite exaggeration on the part of Thierry and other earlier writers, while his own over-emphasis of the Roman factor has been corrected by such writers as Stubbs and Freeman.

The present republication (with important additions) of Sir Francis Palgrave's writings is a work of piety performed by the last surviving of the historian's four sons. It is almost as notable a monument to Sir Inglis Palgrave as it is to the memory of his eminent father. For Sir Inglis himself has reached the venerable age of ninety-two, and his editorial notes (grouped at the end of each volume) are storehouses of

minute information needed to elucidate, expand, and correct the text.

The writings of so early a pioneer as Palgrave are naturally of historiographical rather than of historical interest at the present day. But, in spite of that fact, there are many chapters in this splendid edition that will repay careful study.

THE GROWTH OF EDUCATIONAL IDEAS.

Education and Social Movements. By A. E. DOBBS.
(10s. 6d. net. Longmans.)

Professional educators are a little suspicious of the contributions of the outsider, so they may look askance at this volume from an economist. But they will find that its author sticks to his last, inasmuch as he deals only with matters over which he has a complete mastery. It is greatly to our advantage to look at our subject from the point of view of a man who has studied it from quite a different angle from our own. So teachers should welcome this handsome volume that explores the interaction of economics, sociology, religion, and education during the period 1700-1850. The work is incomplete, for Mr. Dobbs promises us a second volume, bringing matters up to the present date.

Most of us know, in a general way, the course of educational history during the period selected, but readers need not be alarmed at the prospect of merely another chronological record. Mr. Dobbs treats his subject in a broad, scientific way, and presents a richly documented view of the whole field. His contribution is specially welcome at the present moment, for it traces back to their sources many of the forces that are just now at work. Without doubt our educational unrest to-day is due mainly to social considerations based on economic changes. As we read Mr. Dobbs's pages we realize that we are passing in review different stages in a process that has led up to our present position. We cannot understand Mr. Fisher's problem properly if we do not know the steps by which it has been reached. Mr. Dobbs supplies us with all the raw material necessary to form just opinions, but he does more: he seeks to disentangle the various forces at work, and to explain their origins and effects. We cannot say that at all points we quite follow his argument; but in most cases he is eminently clear, and in all cases cautious and restrained.

The chapter on The Social Environment is specially valuable, as providing the necessary background for speculation on the development of education as a national movement; and the chapter on the Era of Revolutions supplies certain parallels that are of the utmost importance in guiding us at the present time of crisis. Between these two chapters is sandwiched one on Schools and Literature that corresponds to the chapter in the second part on Libraries and Literature. Both of these supply valuable material not readily accessible to the general reader, and we congratulate Mr. Dobbs on the completeness of his inventory, though we miss the "Cottage Library" of pleasant memory. The chapter on Elementary Education has nothing new for the well-read teacher; but the chapter on Education by Collision is fresh and stimulating, dealing as it does with situations extremely like that existing to-day. The final chapter on The Social Outlook gives Mr. Dobbs the opportunity of making a general survey of the position. He pauses for a moment on the wing, and, by generalizing from the facts he has already put before his readers, reaches certain conclusions that help to bridge the gulf between the period he brings to a close and the period to be dealt with in the promised second volume.

A NOTABLE PRIZE ESSAY.

The Baronial Opposition to Edward II. By J. C. DAVIES.
(21s. net. Cambridge University Press.)

The reign of Edward II was until recent years regarded as an arid and unimportant period of English history. It lay as a dull and depressing interlude between the constitutional achievements of Edward I and the military glories of Edward III. The unhappy King himself, defeated by his

enemies, betrayed by his wife, assailed by his barons, appeared as a poor figure of a man alongside his noble father and his resplendent son.

Constitutional historians were the first to suspect that behind the personal conflicts and domestic catastrophes of the reign lay important struggles concerning principles, and could be discerned deep movements of permanent significance. Prof. T. F. Tout, assisted by a band of devoted disciples, spent many years in examining afresh and determining the place of Edward II in English history. He succeeded in showing on one hand that the King himself was by no means so futile or so foolish as had been generally supposed, and, on the other hand, that out of his household there developed during this period a novel and effective type of national administration.

In the present volume Mr. J. C. Davies follows in the footsteps of Prof. Tout, and makes a careful study both of the new administrative system which was growing up in and around the Royal household, and also of the baronial antagonism to it, based upon the theory that the nobles in general, and the earls in particular, were the proper controllers of the policy of the State and the machinery of the Government.

Mr. Davies's work is an expansion of an essay which gained the Thirlwall Prize in 1917. One marvels that so extensive and exhaustive a piece of research can have been done by a young man in the conditions that prevailed at that date. The book displays great diligence in the examination of all available material, both printed and manuscript, a mature historical judgment, and considerable skill in the arrangement and expression of conclusions. It gives Mr. Davies at once a high place among the historians of medieval England, and encourages us to look for further important writings from his pen. Perhaps the most interesting contribution which the present volume makes to our estimate of the characters and incidents of the early fourteenth century is the new and highly favourable account of the Earl of Pembroke and his activities. On the other hand, Thomas of Lancaster stands revealed as even more ignoble and less competent than had been supposed. The whole volume deserves most careful consideration.

EDUCATION.

America at School and at Work. By H. B. GRAY.
(5s. net. Nesbit.)

The purpose of this little work is to make clear that in America the people are really making a fundamental change in their conception of the nature of education. The bookish ideal is going by the board: intellect is being removed from its position of monopoly. Dr. Gray is an enthusiastic admirer of American educational developments, and it will strike some readers that he is inclined to neglect what has been done of late on this side of the Atlantic. He admits that he had written certain of the chapters before Mr. Fisher's Bill had been introduced. Further, Corporation Schools (in the American sense of that term), which he praises so highly, are not altogether unknown among us. But, when all is said, Dr. Gray has made out an excellent case for the United States. It is highly desirable that we on this side should know the implications of such a measure as the Smith-Hughes Bill. We English people may be inclined to think that the Americans have no great need to reduce the amount of purely bookish work done in their schools; but it is only fair that we should know their point of view, and appreciate the skill with which they are in many cases coping with the special needs of their economic situation. Dr. Gray has deserved well of us in writing this book. It deserves serious attention.

Experimental Education. By ROBERT R. RUSK.
(7s. 6d. net. Longmans.)

When the first edition of this book appeared in 1912 it was favourably reviewed in these pages. This new edition contains all the old matter, and has many additions. The old edition had 295 pages, the new has 332. The new pages being printed in somewhat smaller type represent a considerable increase in the matter provided. The whole has been carefully revised, but the most important changes occur in connexion with the important subject of the method of study. This subject has of late received a great deal of attention, an attention that it richly deserves. Dr. Rusk's chapter on "The Economy and Technique of Learning" is

in itself a most valuable contribution to the really "applicable" part of experimental education. The following chapter on "The Conditions Affecting Mental Work" is also of great practical value. The book has been practically rewritten, and, brought up to date as it is, it has really no rival as a clear, authoritative, and practically useful presentation of its subject. Any teacher who is in doubt about the possibility of getting from a book useful hints for the practice of his craft will do well to turn to Dr. Rusk, and be for ever convinced that the thing is possible.

The Training of Youth. By T. W. BERRY.
(7s. net. Fisher Unwin.)

Including the title-page, the Contents, the Dedication, the Preface, and the Bibliography, this somewhat unhealthily distended volume runs to 207 pages. Its literary style leaves something to be desired, and the author has nothing particularly fresh to say. On the other hand, the spirit of the book is excellent, and the presentation here made will be acceptable to those who are interested in social and educational reconstruction, but have not had the opportunity of consulting authorities on the subject. The special subject of the book is the training of adolescents, the chapters that seek to suggest practical reforms being those on "Recreation" and on "Vocational Training." An idea implicit in the volume is that the team work of the public schools may be introduced into the elementary schools. Mr. Berry speaks out fearlessly on the subject of training in sex hygiene, and the ordinary teacher will be glad to learn that instruction in this subject should be relegated to specialists. The book is well documented throughout, the authorities quoted ranging from Ruskin to the *Daily Mail*. Mr. Berry's references are well up to date, though the book contains internal evidence of having been delayed on its way through the press.

The Spiritual Foundations of Reconstruction. A Plea for New Educational Methods. By F. H. HAYWARD and A. FREEMAN.
(10s. 6d. net. P. S. King.)

To begin with, we congratulate the authors of this book upon its lucid arrangement, and upon their wisdom in giving the utmost prominence to their fundamental proposals. As those proposals are radical in character, we think the authors are wise, too, in quoting the considered opinions, obtained before publication, of several eminent persons. The scheme laid down is certainly not lacking in boldness, but it is none the worse for that. Briefly stated, the scheme is—(1) largely to abolish the current class teaching of such subjects as literature, history, music, and Scripture (subjects in which "appreciations, perspectives, and ideals" are paramount), and to substitute a "liturgical, ceremonial, or celebrational treatment"; (2) to give specific moral and civic lessons; (3) to hang on the walls of every school authoritative charts of time, space, and history; and (4) to invite—nay, to urge—representatives of all sects, parties, professions, &c., to address the school on ceremonial occasions. Needless to say, the first proposal, dealing with subjects which are in a sense "better caught than taught," is the basis of the whole scheme. Of the critics we find ourselves most in agreement with Mr. Laurence Binyon. In principle we agree with Prof. Adams that the scheme is well worth a trial. But we think, with Mr. Binyon, that it would be tried with a better chance of success, and therefore of far-reaching influence, if the celebrations were simpler and less frequent than the authors contemplate. There are many points upon which we should like to join issue with the authors, but, on the whole, we cordially hope that their plea will not fall on deaf ears.

The School and the World. By V. GOLLANCZ and D. SOMERVELL. (5s. net. Chapman & Hall.)

As many of our readers will remember, the appearance in December, 1917, of the authors' "Political Education in Public Schools" attracted considerable attention, and the experiment described therein has been a good deal debated. The very fact that such publications as the *Westminster Gazette* and the *Manchester Guardian* on the one hand, and the *Saturday Review* and the *Church Times* on the other, took diametrically opposite views of the experiment was perhaps enough to show that the teaching of politics, in the sense contemplated by the authors, is a thing for which, to say the least, society is not yet ready. The experiment has collapsed, and the teachers concerned have left the school in which it was made. Nothing daunted, they present their *apologia* in the volume before us. They interpreted "politics" in "the widest Platonic sense," but they were not content with the judicial and impartial attitude. On the ground that education must create enthusiasm, they took up a position which, as it seems to us, whether in religion or in politics, is untenable except in a strictly sectarian school. With a little more of the judicial attitude, of which we are not so sceptical as the authors, we think such an experiment might succeed, and might do a world of good.

The Great War Brings it Home. By JOHN HARGRAVE.
(10s. 6d. net. Constable.)

The author of this remarkable book, who is identical with "White Fox" of *The Scout*, tells us that it was compiled long before the outbreak of war, and that on his enlistment it was left for publication in case of his not coming back. It has been partly rewritten, but its main thesis stands; indeed, "the great war brings it home" with greater force than ever. What is that thesis? Civilized man has advanced vastly beyond the savage, but the advance has been lop-sided; it has been an advance in intellectual achievements, but certainly not in morals. Industrial slavery and the conditions of city life have led to a sad deterioration, both physical and moral. The remedy lies in returning to a more natural life, and in applying this remedy we must begin with the children. The boy of ten to fourteen, in whom "White Fox" has obviously specialized, corresponds with the stage of racial development represented by the discovery of fire, the realization of the value of co-operation and of loyalty to a chief, and the evolution of totemism. Hence the boy's love of fraternity gangs, camp-fires, and all that relates to woodcraft. In developing his views on the right treatment of the boy and the adolescent the author is at his best, and his exposition of "tribal training" is helped materially by his effective illustrations. The concluding chapters on primitive love, the "great mystery," and the art of meditation are among the most interesting in an extremely valuable book.

A Textbook of Sex Education. By W. M. GALLICHAN.
(6s. net. T. Werner Laurie.)

A good many books on the much debated subject of sex instruction have been noticed in this journal during the past year or two, but among them we unhesitatingly accord a high, and in some respects a unique, place to Mr. Gallichan's volume. Its tone is sane and sensible throughout; the treatment is comprehensive, the training of boys and girls at successive stages of development being duly considered; and, besides being comprehensive, the treatment is practical, a number of specimen lessons forming a conspicuous feature of the book. The bibliographical notes will also be valuable to many readers.

A Guide to the Education Act, 1918. By K. E. T. WILKINSON.
With a Foreword by ARNOLD S. ROWNTREE. (1s. 6d. Athenæum Literature Department.)

We commend this conveniently arranged guide to the notice of schoolmasters and others who desire to have by them a means of ascertaining quickly what may, or may not, be done under the new Education Act. Mr. Wilkinson may be congratulated upon a good piece of work.

ENGLISH.

The Years Between. By RUDYARD KIPLING. (7s. 6d. Methuen.)

It may be that this volume will not appreciably add to the author's fame. It lacks the spontaneity of those other verse-books which all men know. Some of the pieces have been published before; and a few are, though written but a few years ago, already in need of a commentary. Yet for all this the book is very welcome indeed; it is the history of the thought of the common man, dressed in language he cannot use; and its music is the music he hears in the wind, though he cannot write it down for you. Those critics who call one piece coarse and another jingoish forget the moods and opinions of that great public which no poet in England has ever represented till Kipling came. "The kingdom is within you," is the motto of these verses, and on this motto our lay hymn-writer again and again harps. "The Holy War," "The Craftsman," "A Nativity," "A Pilgrim's Way" are quite as good as anything we know—with the exception of the greatest things; but no reviewer can ever forget these greatest things, and our debt to Mr. Kipling is difficult to assess. "For all we Have and Are," which finds a place here, is already a classic; and "The Sons of Martha" is a psalm of labour. The author sees all sides, and more than one pibroch is shouted.

Essays on Goldsmith and Selections from his Writings.
Introduction by G. E. HADOW and Notes by C. B. WHEELER.
(2s. 6d. Clarendon Press.)

The Essays by Scott, Macaulay, and Thackeray are all printed here, but the editor evidently recommends Thackeray to the young. Her own preface, like so many prefaces, is rather above the heads of the fifth form; the ideal school introduction will not be written till editors cease wholly to write for one another. But a good teacher would soon put that right, and there is nothing but praise for the plan and execution of this book. Indeed, the suggestion in it, that great writers may profitably be used in our estimate of great writers, is capable of much extension. Milton and Chaucer, Tyn-dale and Wyclif, Thucydides and Herodotus, await such treatment. Shelley's two essayists remain in copyright. But the idea might

(Continued on page 324.)

SLOT WEIGHTS

FOR THE

Mechanics Laboratory

Raw material is now available, and we shall shortly be able to supply large quantities in both English and Metric denominations.

Slot Weights from one-hundredth pound to one hundred pounds and from five grams to fifty kilograms.

Weight Hangers to suit.

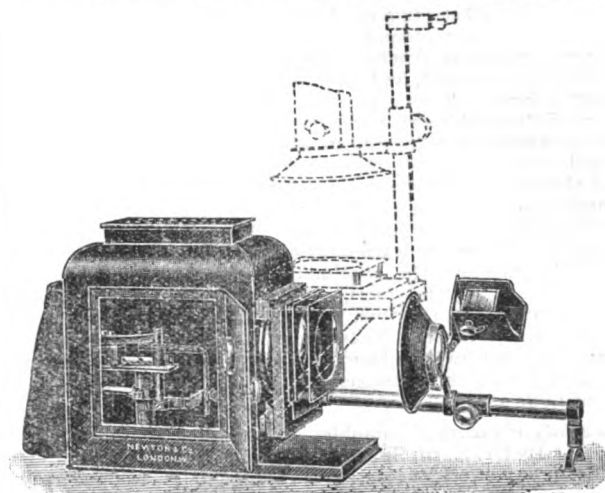
G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.

OPTICAL LANTERNS

AND SLIDES

for use in

COLLEGES, SCHOOLS, and other EDUCATIONAL INSTITUTIONS.

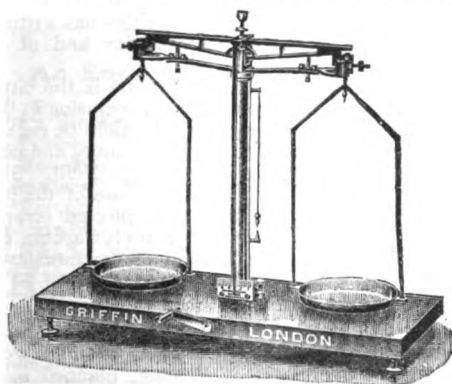


SCIENCE LANTERNS for LECTURES and DEMONSTRATIONS.

NEWTON & CO.

(Established over 200 years),
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.
KEMBLE STREET,
KINGSWAY, LONDON, W.C.2.
MAKERS OF PHYSICAL AND ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES
MANUFACTURED BY
GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLENGKAMP
—& Co., Ltd.—

BRITISH CAPITAL
BRITISH CONTROLLED

19-21 SUN STREET
FINSBURY SQUARE,
LONDON, - - - E.C.2

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

BRITISH MADE GLASSWARE.

Beakers, Flasks, Basins, Funnels, Bell Jars,
Aspirators, Condensers, Hydrometers,
Thermometers, &c.

BRITISH MADE PORCELAIN.

Basins, Crucibles, Casseroles, Dye Pots,
&c.

BRITISH MADE FILTER PAPERS.

To replace the various S & S qualities.

BRITISH MADE NICKEL WARE.

Basins, Crucibles, Spatulas, &c.

Prices on Application.

Telephone—LONDON WALL 1404 & 1405.
Telegrams—"GALLENGKAMP, FINSQUARE, LONDON."

have been pressed home fully in the introduction, and a plea entered for the good school library. Even at this day schools and teachers are without their proper book-apparatus.

Essays and Addresses in War Time. By Viscount BRYCE.
(6s. net. Macmillan.)

This volume contains eight essays or addresses. The first three were originally issued early in the period of the War as statements of the case of the Allies as against the Germans. As coming from the pen of one so liberal and pacific as Lord Bryce, they were at the time of their publication powerful and effective in their appeal to neutral opinion and impartial conscience. Even now they are valuable not only as historic records, but as damning indictments of militarist Germany, and as clear assertions of the fundamental principles for which the Allies waged their great fight. The second group of three addresses is academic in its nature. The addresses were delivered before learned societies during the years 1915-1916. They deal more generally with the subject of war as viewed in the light of science and history. They institute, moreover, interesting comparisons between the war that was then convulsing the world and the smaller conflicts of older days. The wealth of Lord Bryce's accumulated stores of learning is well employed in lavish illustration of his theme. The concluding couple of studies have been written specially for this work. They deal, the one with the Principle of Nationality, the other with the League of Nations. Both are weighty and timely. They are marked by that sanity of judgment, width of view, and lucidity of expression which one associates with all Lord Bryce's utterances. The whole volume is worthy of its venerable author.

The Study of Poetry. Pamphlet No. 40 of the English Association.
By Dr. E. DE SELINCOURT. (1s. to Members.)

The outside world occasionally gets sight of lectures read to societies, and the pamphlets of the English Association are always welcome. Dr. Selincourt admits that he is but reiterating what has been said before, but it is well to have impressed on us even in these days the value of vision. "Poetry belongs to the realm of mystery lying gracious and becalmed beyond the fretting tides of the world," and, though the lecturer hardly argues and merely states, he manages to tell us old truths in fresh ways. "In good poetry you cannot distinguish sound from the sense." "Our general attitude towards literary criticism should be critical." "The passion for the good and fair . . . is the only source of the poet's impulse to write and of ours to read him." But do people study poetry?

Hindu Tales from the Sanskrit. By S. M. MITRA, and adapted by Mrs. ARTHUR BELL. (1s. 6d. Macmillan.)

A good deal has been done lately to familiarize us with the folklore and the religious tales of India; but the subject seems inexhaustible. The present series of stories would bear annotation, especially as in an interesting but short preface we are told of the ethical uses to which the tales are put in their original home. Mr. Mitra's name is well known, and we gather that the version before us is mainly his. Each story is followed by questions, and to these, if he sees fit, the English teacher may add. We have always held that one of the best and one of the most permissible uses of story lies in discussion by the class after the story is told. There is much to be said for *casus conscientiae*. The stories, nine in number, are all interesting, and are full of information about Indian ways; the English is excellent.

HISTORY.

The Royal Navy, 1815-1915. By the Marquess of MILFORD HAVEN. (2s. 6d. net. Cambridge University Press.)

The noble author of this brief sketch of naval history was Rede Lecturer at Cambridge last year, and the slight brochure before us is a reprint of the address which he delivered in the Senate House on June 16. It makes no pretensions to literary distinction, but it provides in a straightforward and lucid way a useful summary of the many and revolutionary changes which transformed every department of naval service during the century that separated the close of the French War from the outbreak of the German War. About one-third of the lecture is devoted to the naval situation in and around 1914, and as the Marquess of Milford Haven speaks as a first-hand authority on this eventful period, what he has to say of German preparations and British precautions is of high importance. Those, however, who hope to find indiscretions in this lecture will be disappointed.

Simon de Montfort: an Historical Drama. By ALFRED HAYES.
(10s. net. Methuen.)

Mr. Alfred Hayes, of Birmingham, has produced a remarkable drama, which is both high literature and sound history. Messrs. Methuen for their part have issued it in a choice edition, limited to five hundred copies. It is an elect book for the elect. The blank verse in which the drama is written is of a splendid and dignified

order. Again and again it recalls the sonorous cadences of Mr. Stephen Phillips. The thought is lofty, the imagination vivid, the insight penetrating, the knowledge profound. Mr. Hayes has evidently made himself a complete master of his period. His conception of the character of Simon himself is fine and favourable, such as that portrayed by Bishop Creighton and by Dr. G. W. Prothero in their monographs. He has attained to equally clear ideas concerning most of the other leading actors of the thirteenth century—e.g. Henry III weak yet brutal, Richard of Cornwall ambitious and greedy, Prince Edward noble yet resolute in the maintenance of his rights. But besides the political magnates of the time he introduces such notable men as Grosseteste, Adam Marsh, and Roger Bacon. They are all sharply visualized and excellently portrayed. Bacon's vision of the new world of the future is a masterpiece of descriptive verse. But the glory of this fine play is the character of the Princess Eleanor, wife of Simon de Montfort. As conceived by Mr. Hayes, she is worthy to rank with Stephen Phillips's Francesca.

Three Years of World-Revolution. By PAUL LENSCH. Translated from the German by J. E. M. (5s. net. Constable.)

This book is supposed to be a study of history and politics. Its value, however, is wholly psychological and pathological. It is a revelation of the German mind and a manifestation of its mortal diseases. It displays the obsessions of a people essentially unpolitical, devoid of the capacity to comprehend the realities of Statecraft, living in a world of illusions created by their own vanities and hatreds. Its author, Paul Lensch, is a theoretical Socialist of the majority type, a member of the Reichstag. He was an enthusiast for the war so long as it was going well for Germany. He wrote this book in the summer of 1917 when Russia had collapsed, when Rumania was being overrun, when Italy seemed on the verge of disintegration, when America still seemed far away. He is, therefore, cock-a-hoop for victory and for the approaching establishment of *Deutschtum* in world supremacy. He is filled with a blatant German nationalism, combined with contempt for France, and a consuming detestation of England. He regards the war as essentially a life-or-death struggle between Germany and England, and of the German victory he has no doubt. One is tempted to pile up quotations to show the folly and blindness of the deluded author; but the book must be read for its illuminating absurdity to be realized.

Fighting for Sea Power in the Days of Sail. By H. W. HOUSEHOLD. (2s. Macmillan.)

The popularity and success which Mr. Household achieved last year with his little book on "Our Sea Power" have encouraged him to write the volume before us as a sequel and supplement. It contains a dozen stories of famous sea-fights of the seventeenth and eighteenth centuries, vividly told and well illustrated. It is specially intended for children, and it can be cordially commended to those whose duty it is to provide them with books at once interesting and sound.

"The Nations' Histories."—(1) *Switzerland.* By C. F. CAMERON. (5s. net. Jack.) (2) *Rome.* By ELIZABETH O'NEILL. (5s. net. Jack.)

(1) These are two volumes of a series of histories, the publication of which is amply justified by the keen interest in foreign affairs that has been excited by recent events. Switzerland, obviously and naturally, finds a place in the series, for the Swiss, in spite of racial, linguistic, and religious differences, constitute a nation in the strictest sense of the term. Mr. Cameron has written a good and concise history of the early Confederacy and of the later Federation.

(2) The Rome of which Mrs. O'Neill treats is the city, not the Empire. It is not easy to account for its inclusion in the series, for the Romans never, in any sense at all, could be regarded as a nation. The story of the city lacks national unity and continuity. Moreover, it is not at all well told by Mrs. O'Neill. She shows little sense of arrangement or style, and her use of the paragraph is simply distracting. Further, her disconnected scraps of information are by no means always entirely accurate. Both volumes are attractively illustrated by numerous photographs.

MATHEMATICS.

Projective Geometry. Vol. II. By O. VEBLEN. (21s. net. Ginn.)

In this volume Prof. Veblen brings to completion the work which he, in conjunction with Prof. J. W. Young, planned some years ago, of writing a treatise on projective geometry, in which the subject should be developed in a strictly logical manner, with constant reference to the fundamental assumptions involved. The comparatively simple set of assumptions which form the basis of general projective geometry were discussed, and their consequences developed as far as was possible in the earlier volume, but the more difficult and subtle ideas associated with the study of linear order

(Continued on page 326.)

DENT'S EDUCATIONAL PUBLICATIONS

ALMOST READY.

A Rapid Italian Course.

By WALTER RIPMAN, M.A. Crown 8vo. Cloth. 4s. net. Based upon the *Guida allo Studio della lingua Italiana* of D. A. ALGE, but containing many alterations and additions. Kindred words are compared to French and Latin. The book is illustrated; text and notes are entirely in Italian, and there is a useful vocabulary.

The State and the Nation.

By EDWARD JENKS, M.A. Crown 8vo. Cloth. 4s. net. An extension and amplification of the author's well-known "Short History of Politics"; forming a handbook of Citizenship based upon history which will be found exceedingly useful in adult classes, working men's institutes, continuation schools, and university colleges. The argument of the book is consistently directed towards the creation of that sense of community without which no true political well-being is possible.

Comparative Education.

A Study of the Educational Systems of Six Representative Countries.

Edited by PETER SANDIFORD, M.A., Associate Professor of Education in the University of Toronto.

Demy 8vo, cloth. 8s. 6d. net.

This important volume contains chapters on: United States, Germany, England, France, Canada, and Denmark.

Times.—"Dr. Sandiford has produced a really useful book."

Athenæum.—"A valuable contribution to contemporary educational literature."

The New Testament for Schools

Arranged and Edited by Canon MORLEY STEVENSON, M.A., and C. W. BAILEY, M.A.

Crown 8vo. 3s. 6d. net.

The natural companion to the same Editors' "Old Testament for Schools."

How to Read the Bible in the 20th Century.

By SOPHIE BRYANT, D.Sc., Litt.D., formerly Head Mistress of the North London Collegiate School.

Crown 8vo. 3s. 6d. net.

For teachers and pupils in Secondary Schools as well as for the home and the Sunday School of the modern type.

ENGLISH LITERATURE FOR SCHOOLS.

Edited by ARTHUR BURRELL, M.A., formerly Principal of Borough Road Training College. Strongly and Tastefully bound in Cloth. 128 pages. Price 9d. each. Large Type.

Books which interest boys and girls and at the same time introduce them to literature.

Among the 20 books of this Series are the following:—

British Ballads.

Selections from Longfellow.

Morris's Life and Death of Jason.

Selections from Tennyson.

Irving's Old Christmas.

Bible Stories.

Dickens's Christmas Carol.

Seven Champions of Christendom.

Selections from Borrow.

Gulliver's Travels.

Parkman's Conspiracy of Pontiac.

. Teachers applying for specimen copies are asked to state the probable number of books required on adoption.

DENT'S MODERN ENGLISH BOOKS

An English Pronouncing Dictionary. By DANIEL JONES, M.A. Demy 8vo. Cloth. 7s. 6d. net. Based on the system of the International Phonetic Association.

Story Tellers' Hall. A Literary Reader for Junior Forms. Edited by Dr. RICHARD WILSON. 2s. 3d. net.

Treasure Trove. A Literary Reader for Middle Forms. By the same Editor. 2s. 3d. net.

Coronata. A Book of Poems. By the same Editor. 2s. 3d. net.

Composition through Reading. By F. PICKLES, M.A. The Direct Method of Teaching English.

INTRODUCTORY BOOK for Junior Forms. 1s. 9d. net. A Complete Preparatory Course.

BOOK I for Lower Middle Forms. 1s. 9d. net.

Book II for Upper Middle Forms. 2s. net.

THE TEMPLE POETRY BOOKS.

A new graduated collection for Preparatory School and Lower Forms. In Eight Parts. Limp Cloth. 7d. net.

This Series has been carefully designed to inculcate some of the higher lessons of the War, and contains many copyright pieces, including verses by Rupert Brooke, E. Wyndham Tennant, Emile Cammaerts, Sir Henry Newbolt, and other well-known writers of the present day. Each book contains 72 pages in large type, with four Coloured Plates and several Line Illustrations.

J. M. DENT & SONS, LTD.,
ALDINE HOUSE, BEDFORD STREET, W.C.2.

and continuity were reserved for the present one. In the first chapter the passage is made from general projective geometry to the special geometries which are of importance by reason of their relations to real geometry and other branches of mathematics, by postulating the assumptions appropriate in each case. Following upon this, the elementary theorems of order are developed, and we are then taken on to the discussion of particular types of geometry. With each sort of space is associated a set of groups of transformations, and this gives rise to a cross classification of geometries. Beginning with the simple case of the Affine Group in the Euclidean plane, other geometries of the Euclidean type, both real and complex, are developed, and the ordinal and metric properties of conics are considered. Other chapters deal with Inversion, Affine and Euclidean Geometry of three dimensions, non-Euclidean Geometries, and Analysis Situs. Although it is outside the author's aim to provide an exhaustive examination of any particular geometry, he lays the foundations and provides the scaffolding for the construction of more complete edifices. He and his collaborator have rendered no small service to mathematics in thus co-ordinating and expounding in a remarkably lucid manner the logical principles which form the basis of all purely mathematical sciences.

Solutions of the Examples in a Treatise on Differential Equations. By A. R. FORSYTH. (10s. net. Macmillan.)

Students who have studied Differential Equations in Forsyth's treatise must often have regretted that they had no opportunity of comparing their solutions or attempted solutions with those obtained by the author. Prof. Forsyth has now supplied the want, and by using this key in a judicious manner much may be learned regarding the more refined points of the algebraic and analytical technique upon which success in arriving at a solution largely depends. A few equations given in the treatise contain errors which are here corrected, and apparently three have been found insoluble. A number of references to the sources of some important equations are given, and certain methods of solution not mentioned in the treatise are employed in appropriate cases. Thus place is found for Abel's theorem and for Boole's symbolical methods. Seeing that the treatise discusses nearly every type of differential equation which has hitherto been met with in pure mathematics or in mathematical physics, the two books in conjunction represent pretty

completely the state of knowledge to-day regarding methods of obtaining solutions of a formal character. Further progress on this side is difficult, and attention is being turned to numerical methods of solution.

Elementary Mensuration, Hydrostatics, and Mechanics. By G. F. WOODHOUSE and G. C. MEISTER. (Sedburgh: Jackson.)

This book is intended to provide an introduction to the elementary principles of mechanics, and consists of a course of theoretical and practical exercises. Written in accordance with the recommendations of the pamphlet on "The Correlation of Mathematics and Science," published by the Public Schools Association of Science Masters and Mathematical Masters, it appears to be thoroughly well adapted to achieve the object in view.

An Elementary Course in Differential Equations.

By E. J. MAURUS. (3s. 6d. net. Ginn.)

This brief and unpretentious course in ordinary differential equations serves the double purpose of providing exercises in integration and of giving that thorough grounding in the methods of solving the commonly occurring types of equations which students should possess before going on to applications or more advanced theory. The author has constructed some three hundred and fifty examples, and furnishes answers to the same.

SCIENCE.

Everyman's Chemistry. By E. HENDRICK. (8s. 6d. net. University London Press.)

This highly original book is American in everything except printing, binding, and publishing. It is written for the man-in-the-street who desires to know a little more than the daily Press can teach him. It ought to meet with the success that it deserves, for it is written most persuasively, and at the same time intelligently and intelligibly. There is great need of a book that shall bring within the compass of a layman's apprehension what chemists are doing, and what chemistry means. The business man's idea of research, for instance, is curiously mixed. Any impossible problem is put before his chemist, and a solution is expected with the rapidity and certainty of an automatic machine. Such an attitude of mind is, of course, due to the prevailing state of the "education"

(Continued on page 323.)

**Quite the best in
Junior Geographies
yet issued**

PHILIPS' "HUMAN" GEOGRAPHIES

By JAMES FAIRGRIEVE, M.A.
and ERNEST YOUNG, B.Sc.

This series is just what its name denotes—*human*. Everywhere the human note is predominant and the relation of man to his environment insisted upon. The books are not merely human in the sense that they treat of Geography from the human point of view, but also because the kinds of human beings who live in different environments are fully described. Progressive both in difficulty of language and of ideals.

Book I.—CHILDREN FAR AWAY

Life and Doings of Children in other Lands. 1/6

Book II.—HOMES FAR AWAY

Homes and Parents of Children in other Lands. 1/6

Bk III.—THE BRITISH ISLES 1/9

Book IV.—THE NEW WORLD 2.

In preparation: Book V.—THE OLD WORLD
Book VI.—EUROPE AND BRITAIN

Crown 8vo.
with Coloured and
Black and White
Illustrations and
Maps.

DETAILED PROSPECTUS FREE

Just Published.

TRANSPORT THE MAGIC CARPET OF INDUSTRY

By J. P. GRIFFITHS

A Non-Technical Volume briefly describing the history and development of Transport by sea, road, canal, and railway. A delightfully fascinating, interesting and instructive book for young people at the inquiring age.

Crown 8vo. 256 pages. Numerous half-tone illustrations and maps. 2/6

PHILIPS' SYNTHETIC MAPS

By E. G. R. TAYLOR, B.Sc.

Eight Sets—**The World, Six Continents, British Isles**

For the study of geographical relationships by the combination of various transparent maps, and the imposition of these upon each of two foundation maps, the latter being coloured to show certain fundamental phenomena with which the transparencies have a cause-and-effect connexion.

Each Set consists of 2 Coloured Foundation Maps and 8 Transparencies, together with Suggestions for Class Use. In stout Manilla case, 11 by 9 in., 9d. net per Set. Maps also separately on cartridge paper, for use as "Hand Maps," 4d. net each.

PHILIPS' COMPARATIVE WALL ATLASES

Edited by J. F. UNSTEAD, M.A., B.Sc., and E. G. R. TAYLOR, B.Sc.
Eight Sets—**World Relations, Six Continents, and British Isles**

Maps, singly, mounted to fold and eyeletted, 6/- net each; complete in this form in box, 8 Maps, 35/- net, or all on roller to turn over, 35/- net. Also supplied without the Political Maps, 7 Maps, mounted on cloth, dissected, folded, eyeletted, in thumb case, 32/6 net.

GEORGE PHILIP & SON, LTD. 32 FLEET ST.,
LONDON, E.C.4

MINIATURE WALL ATLAS EUROPE & LISTS ON APPLICATION

SELECTED FROM MR. EDWARD ARNOLD'S LIST.

A Social and Industrial History of England. By F. W. TICKNER, D.Lit., M.A., B.Sc. (Econ.) London, late Lecturer on History at the Islington Training College. Illustrated. 7s. 6d. Also in Three Parts, 3s. each.

A History of England. By Prof. C. W. OMAN, M.P., Oxford University. 760 pages. Cloth, 7s. 6d. The continued popularity of this famous History is the best proof of its excellence for school purposes. Also in Two Parts and Three Divisions.

Arnold's Florin English History. By C. E. M. HAWKESWORTH, M.A., Assistant Master at Rugby School. Cloth, 2s.

Outlines of European History, 1814-1914. By G. BURRELL SMITH, M.A., Assistant Master at the Royal Naval College, Dartmouth. With Maps. 3s. 6d.

Scenes from European History. By G. B. SMITH, M.A. 2s. 6d.

The Last Century in Europe, 1814-1910. By C. E. M. HAWKESWORTH. 526 pages. 7s. 6d. net.

A General History of the World. By OSCAR BROWNING, 700 pages. 7s. 6d. net. Also in Three Parts with separate indexes, 3s. 6d. net each.

A Class Book of Geography. By A. W. ANDREWS, M.A. 7s. 6d.

Outlines of Physiography. By A. J. HERBERTSON, M.A., late Professor of Geography in the University of Oxford. 4s.

A School Arithmetic. By A. C. JONES, M.A., Ph.D., and P. H. WYKES, M.A. Without Answers, 5s.; with Answers, 5s. 6d. Also in Three Parts, 2s. each.

Arnold's Half-Crown Arithmetic. By J. P. KIRKMAN, M.A., and J. T. LITTLE, M.A. With or without Answers, cloth, 2s. 6d.

Easy Arithmetic and Accounts. By E. SANKEY and G. A. LORD. In Two Books. Cloth. 1s. 6d. each net. Answers (both in one), 6d. net.

Elementary Algebra. By W. D. EGGAR, M.A. With Answers, 5s. Without Answers, 4s.

Higher Algebra. By W. P. MILNE, M.A., D.Sc., Mathematical Master at Clifton College. 8s. 6d. net.

The Elements of Geometry. By R. LACHLAN, Sc.D., and W. C. FLETCHER, M.A. 3s. 6d.

An Introduction to Projective Geometry. By L. N. G. FILON, M.A., D.Sc., F.R.S. 7s. 6d.

Practical Trigonometry. By H. C. PLAYNE, M.A., and R. C. FAWDRY, M.A. 3s.

Test Papers in Elementary Mathematics. By A. CLEMENT JONES, M.A., Ph.D., and C. H. BLOMFELD, M.A., B.Sc. Without Answers, 3s. With Answers, 3s. 6d.

Preliminary Practical Mathematics. By S. G. STARLING, A.R.C.Sc., B.Sc., and F. C. CLARKE, A.R.C.Sc., B.Sc. 2s. 6d.

The Principles of Drawing. By L. BELLIN-CARTER, F.R.S.A., Art Master at Wellington College. 3s. net.

A Textbook of Physics. By R. S. WILLOWS, M.A., D.Sc. 7s. 6d. net.

Electricity and Magnetism. By C. E. ASHFORD, M.A., Head Master of the Royal Naval College, Dartmouth. 4s. 6d.

Introduction to Magnetism and Electricity. By E. W. KEMPSON, Senior Physics Master at Rugby School. 3s. 6d.

Light. By W. H. TOPHAM, B.Sc., Head of the Army Class, Repton. 3s.

Inorganic Chemistry for Schools. By W. M. HOOTON, M.A., M.Sc., Chief Chemistry Master at Repton School. 5s.

The Elements of Inorganic Chemistry. For use in Schools and Colleges. By W. A. SHENSTONE, F.R.S. 6s. 6d.

Outlines of Inorganic Chemistry. By E. B. LUDLAM, D.Sc., Head of Chemical Department, Clifton College. 5s.

A Class Book of Botany. By G. P. MUDGE, A.R.C.Sc., and A. J. MASLEN, F.L.S. With 200 Illustrations. 8s. 6d. net.

A Manual of Human Physiology. By LEONARD HILL, M.B., F.R.S. With 173 Illustrations. 7s. 6d.

SINGING-CLASS MUSIC.

A series of entirely new Unison and Two-Part Songs for Treble Voices, with Piano Accompaniment and Sol-fa, in addition to Staff-Notation.

UNDER THE GENERAL EDITORSHIP OF
THOMAS F. DUNHILL,
Professor at the Royal College of Music.

All the Songs have been specially composed for this series by the most distinguished British musicians, and are designed for use in Schools and Boys' or Girls' Choirs:—

UNISON SONGS.

1. Dr. Granville Bantock	The Fairy Queen...	4d.
2. Sir Frederick Bridge, C.Y.O.	Violets	3d.
3. Dr. C. H. Lloyd	The Clucking Hen	3d.
4. Dr. Charles Wood	The Knight's Tomb	3d.
5. " "	Make We Merry	3d.
6. " "	Mater Ora Filium	3d.
7. R. H. Walthew	Mr. Nobody	4d.
8. " "	Lullaby of an Infant Chief	3d.
9. Sir A. C. Mackenzie	The Bonnie Burnie	3d.
10. George Rathbone	Alow and Aloft	3d.
11. Sir Charles V. Stanford	Japanese Lullaby	3d.
12. Sir Hubert Parry, Bart.	Neptune's Empire	3d.
13. Harry Farjeon	Blossoms of the Night	3d.
14. " "	The Lavender Lady	4d.
15. W. G. Whittaker	The Squirrel	3d.
16. " "	Buttercups and Daisies	3d.
17. Geoffrey Shaw	When all the World is Young	3d.
18. Sydney Marston	England all the Way	3d.
19. Colin Taylor	The Robin	3d.
20. Thomas F. Dunhill	I saw Three Ships	4d.
21. Dr. Harold Darke	A Spring Song	3d.
22. Martin Akerman	A Cradle Song	3d.
23. Sydney H. Nicholson	The Dandelion	3d.
24. John Ireland	A Song of March	3d.
25. Ernest Farrar	*A Song of St. Francis	3d.
26. Dr. W. G. Alcock	*If I were a Sunbeam	4d.
27. " "	*Early Spring	4d.
28. Dr. George Dyson	*When Icicles Hang by the Wall	3d.
29. " "	*Praise	3d.
30. Dr. A. Herbert Brewer	*Sing Heigh-Ho!	3d.
31. Thomas F. Dunhill	*It was a Lover and his Lass	3d.
32. " "	*A Night Welcome	4d.
33. Edgar L. Bainton	*A Rosebud	3d.

TWO-PART SONGS.

101. Dr. C. H. Lloyd	How Sweet the Answer Echo	3d.
102. Dr. Granville Bantock	Makes	3d.
103. Sir Charles V. Stanford	Pan	4d.
104. " "	The Rose upon my Balcony	3d.
105. " "	The Haymaker's Roundelay	4d.
106. Sir Frederick Bridge	Claribel	3d.
107. Dr. Percy Buck	A Song of England	3d.
108. " "	A Carol of St. Brigit	4d.
109. Sir A. C. Mackenzie	The Windmill	3d.
110. " "	What the Birds Say	3d.
111. Herbert Howells	The Fountain	3d.
112. " "	Under the Greenwood Tree	4d.
113. " "	A True Story	4d.
114. Dr. Charles Wood	A North Country Song	4d.
115. R. H. Walthew	To Blossoms	3d.
116. Colin Taylor	Serenade	5d.
117. Sir Hubert Parry, Bart.	Joy and Woe	3d.
118. " "	The Wind and the Leaves	4d.
119. Norman O'Neill	A Song of the Night	3d.
120. Geoffrey Shaw	Lullaby	3d.
121. George Rathbone	As Joseph was a-Walking	4d.
122. Dr. Harold Darke	London Town	4d.
123. G. von Holst	The Sheep	5d.
124. " "	The Song of the Lumbermen	3d.
125. Thomas F. Dunhill	The Corn Song	3d.
126. Martin Shaw	Song of the River God	4d.
127. Liza Lehmann	The Bird of God	3d.
128. Ernest Farrar	The Daisy's Wedding	3d.
129. Dr. Charles Wood	*Afton Water	4d.
130. " "	*The Milkmaid	4d.
131. Dr. W. G. Alcock	*Orpheus with his Lute	4d.
132. Dr. George Dyson	*The Pedlar of Dreams	4d.
133. " "	*A Wet Sheet and a Flowing Sea	4d.
134. Harvey Grace	*A Fairy Madrigal	5d.
135. W. G. Whittaker	*The Snowflake	3d.
136. John Ireland	*Old King Caraway	3d.
137. Dr. E. T. Sweeting	*May Flowers	4d.
138. George Rathbone	*The Bells of Shandon	4d.
139. " "	*The Gentle Sounding Flute	4d.
140. " "	*A Hunting Song	4d.

THREE-PART SONGS.

(For female voices, unaccompanied.)

201. Dr. Charles Wood	*The Starlings	4d.
202. " "	*Lilies	3d.
203. George Rathbone	*The Early Dawn of Day	4d.
204. Edgar L. Bainton	*The Sea	4d.

Songs marked * have just been added to the series.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

which our commercial men have received. Seeing that they cannot be re-educated, the next best thing is to put before them in suitable terms, and with considerable humour, a short account of the range of chemical activity. This the author has done with consummate skill. To the trained chemist the book is a sheer delight, and Mr. Hendrick's peculiar standpoint will, or should, be of the greatest service to any teacher whose outlook has perforce become somewhat hackneyed.

Chemistry Notes and Papers. By G. N. PINGRIFF. In three parts. 2s. 3d. each. With a School Chemistry Method (being the Teachers' Supplement). (1s. 9d. net. Geographia, Ltd.)

An introduction by Dr. Garnett paves the way for the author's views on the importance of the teaching method. It is within the knowledge of all teachers of chemistry that the heuristic system, as commonly understood and when applied to class teaching, has proved a failure. The immediate result of the advocacy of the system was a flood of textbooks, written with the author's one eye on the inspectorial approving face and the other on the annual examination. In point of fact, the pupil was told what to discover, how to discover it, and how to describe the way in which he should have discovered it. In the present series of textbooks the author laudably desires to avoid the suggestion method by handing out the textbook piecemeal in sections, so that, having amassed a stock of laboratory facts, he shall digest these with the assistance of explanatory notes. The series covers a four-year course, and leads a boy up to Intermediate Science standard. Assuming that most of the experiments are worked through, or, at all events, demonstrated, there can be no doubt but that Mr. Pingriff's scheme is an improvement on the so-called discovery method. Everything, of course, depends upon the teacher, and the conditions under which he works. So long as his boys must be prepared for a series of public examinations, so long must there be a need for a compromise between method and matter.

(1) *Michael Faraday.* By J. A. CROWTHER. (2) *Galileo.* By W. W. BRYANT. (2s. net each. S.P.C.K.)

If the succeeding volumes of short biographies which the publishers are issuing under the general title of "Pioneers of Progress" maintain the standard set by the two before us, the series should be popular. Each of these books is written in an

attractive style, and succeeds in conveying a clear idea of the personality and achievements of its subject, and of the environment in which he lived and worked. The scientific explanation of the significance of the work of Faraday—and to a less extent of Galileo—is adequate, and not too technical for general readers. Each book contains a portrait.

MESSRS. METHUEN have reduced the price of *The Modern Office*, by James Stephenson, which was reviewed in our last issue (page 246), from 4s. 6d. to 3s. 6d.

The price of *The New Latin Primer*, by Prof. Postgate and C. A. Vince, published by Messrs. Cassell, and reviewed in last month's issue, is 3s. net, and not 2s. 6d. as stated.

PRIMARY SCHOOL NOTES.

The Easter Conference.

THE Easter Conference of the National Union of Teachers, held at Cheltenham, was notable in many ways. The generous welcome extended to the teachers was widespread, the Mayor, the Lord Lieutenant of the County, Sir James Agg-Gardner, M.P., the Bishop of Gloucester, the local Trades and Labour Council, all testifying upon a common platform to the great awakening of the nation to the imperative need of a sound scheme of public education. The Mayor pointed out the increase of membership in the Union since the last Cheltenham Conference—from 40,000 to 102,000. The Bishop of Gloucester paid a high tribute to Mr. H. A. L. Fisher's expert knowledge of the bearings of education through and through. Speaking as an old schoolmaster, the Bishop made a witty comparison between the President of the Board and his predecessors, who were "generally satisfactory."

The Retiring President.

MISS E. R. CONWAY, M.A., received a remarkable ovation from the representatives present, who numbered 1,800, when she concluded her term of office. Her installation at Cambridge last year took place under the shadow of a national calamity in France, when

(Continued on page 330.)



CALL OR WRITE FOR CATALOGUE
STATING FULL REQUIREMENTS.

THE SECONDARY, TECHNICAL AND UNIVERSITY TEACHERS' INSURANCE SOCIETY (The S.T.U.T.I.S.)

Registered under the Friendly Societies Act, 1896. Regd. No. 1424 London.
Approved under the National Insurance Act, 1911. Approval No. 261.

Chairman: Sir JOHN D. MCCLURE, LL.D., M.A.

All persons whose main work is teaching other than in Public Elementary Schools are eligible for membership of this Society.

STATE SECTION:—

The forthcoming Valuation will, it is expected, show that this Section is in a very strong position and that valuable additional benefits will be able to be offered to its members.

Members who have been insured for at least two years, and who are passing out of Insurance in consequence of the Superannuation Act, or of larger salaries, are entitled to become *Voluntary Contributors*, and thus share in the Additional Benefits which they themselves have helped to create.

DIVIDEND SECTION:—

This Section is independent of the State Section and is for the insurance of those teachers to whom the Insurance Act does not apply, or *who desire additional benefits*. It possesses the advantage of a Savings Bank (by the creation of Own Funds and Deposit Accounts), and offers at a very low cost Sick Benefits up to £3 3s. per week. Hitherto about two-thirds of the members' annual contributions have been returned to them each year by being placed to the credit of their Own Funds.

For information apply to the SECRETARY,

10 Mecklenburgh Square, London, W.C.1.

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

OLD GYMNASIA

Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S

Several Recent Secondary School and Welfare Outfits.

SCHOOL CLINICAL

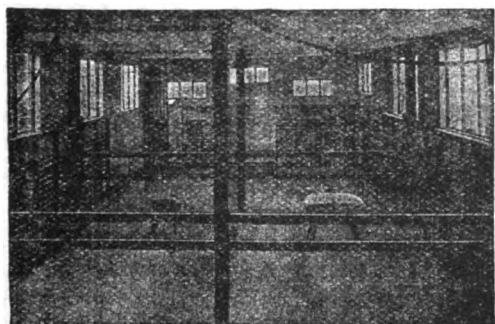
Plinths, Correction Belts, Head Suspension

A P P A R A T U S

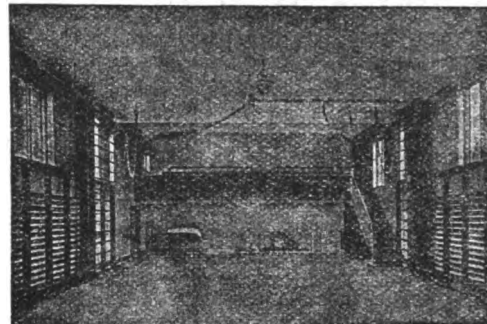
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASIAC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H.&G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C.1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12080.

many members were called from the Conference by ill news of soldier relatives. By her cheerfulness and indefatigable efforts, Miss Conway was largely instrumental in securing the sterling success of the meeting. During the past year she has travelled the country from end to end, without respite. She has the proud record of never having missed an appointment throughout the whole period, and her services have been increasingly called upon by teachers and Education Committees alike. Her conduct of Conference has by general consent been scrupulously fair, tactful, and capable.

The Unity of the Profession.

OF the deputations, Mr. D. M. Cowan, M.P., representing the Educational Institute of Scotland, made a deep impression by his account of the unification of the teaching profession in Scotland under the auspices of the Institute. That the advantages of solidarity have not been lost sight of by the N.U.T. was shown in several ways. The whole tone of the Conference was one entirely favourable to the suggestion of unity between the various grades of education. This was particularly shown in the discussions on Whitley Committees and in the desire shown to construct the new scale of salaries for primary-school teachers in definite relation to the schemes suggested for their secondary-school colleagues. The scheme proposed for assistants in secondary schools by Mr. George Sharples, M.A., on behalf of the Higher Education Committee of the Executive was a minimum salary of £200, proceeding by annual increments of £20 to £500 per annum, and, with special responsibility, to £600.

The Referendum on Equal Salaries.

THE referendum on equal payment for men and women teachers resulted in a majority for equal treatment of 19,965 in a poll of 50,043. The fact that only 50 per cent. of the members voted was generally commented upon. It was quite clear, however, that the keenness which marked the discussions of the question last year had largely passed. The immediate result of the vote is the elimination of a separate scale of salaries for women from the Union programme, and the new scale will therefore apply equally to both sexes. It is probable that the case for equal treatment from Education Authorities will in the future be substantially supported by women representatives of the Union, so that a greater accession of

women to official positions in the local associations would appear to be inevitable if the claims of women teachers are to be seriously regarded by the Education Committees.

Central Schools.

THE discussion on Central Schools was interesting both in the criticisms passed upon them and in the suggestions made for their fuller development in the new scheme of Education. Broadly speaking, the members of the Conference were opposed rather to the early system of transference to these schools, and the tendency to bias the instruction in the years when the fundamentals ought to be first considered. The general opinion appeared to favour a good general preparation in Primary School subjects up to the age of fourteen years, and there was evidence that the partiality of the northern and provincial areas for the self-contained school for the majority of pupils up to this age is rapidly gaining support. On the other hand, there was generous support for the plea of Mr. George Sharples for the greatest possible variety of schools, in order to broaden the national conception of Education, with free access to all pupils able to profit from the instruction given in them.

The Sectional Meetings.

THE Sectional meetings held in connexion with the Conference were numerous and highly successful. One of the most interesting was held under the auspices of the National Association of Head Teachers, when Mr. H. E. Storey, of Manchester, read a paper outlining the general and particular functions of Whitley Committees to a crowded audience. The steps which were being taken in various parts of the country to introduce such bodies in connexion with the administration of education were detailed by speakers who had first-hand knowledge, with the result that most valuable practical information became available to members of the meeting. A feature of the reports given was the hopeful feeling which prevailed as to the beneficial results which would be secured by the new committees in assisting education generally. It was shown that substantial progress had already been made in many areas in improving and unifying the interests of all grades of teachers. The discussion was very general, and the meeting was prolonged in consequence of the desire of the teachers present.

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 65 South Molton Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C.2,

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

FRANCIS HODGSON (ESTD. 1884.) 89 FARRINGDON STREET, LUDGATE CIRCUS, E.C. 4.

MATHEMATICS.

A Synopsis of Elementary Results in Pure Mathematics.

Containing Six Thousand Propositions, Formulae, and methods of Analysis, with abridged Demonstrations, &c., during the past century, containing about 14,000 references. By G. S. CARR, M.A., Late Prize-man and Scholar of Gonville and Caius College, Cambridge. Royal 8vo, 967 pp., with 285 Diagrams, price 34s.

Also in Sections, as follows:—

Section	I.—MATHEMATICAL TABLES; including C. G. S. units, Least Factors from 1 to 99,000. The Gamma-function, &c.	s. d.
"	II.—ALGEBRA	3 0
"	III.—THEORY OF EQUATIONS AND DETERMINANTS	3 6
"	IV.—PLANE TRIGONOMETRY (together with V.—SPHERICAL	3 0
"	VI.—ELEMENTARY GEOMETRY; with 47 Diagrams	3 6
"	VII.—GEOMETRICAL CONICS; with 35 Diagrams	3 0
"	VIII.—DIFFERENTIAL CALCULUS	3 0
"	IX.—INTEGRAL CALCULUS	4 6
"	X.—CALCULUS OF VARIATIONS	4 6
"	XI.—DIFFERENTIAL EQUATIONS	4 6
"	XII.—CALCULUS OF FINITE DIFFERENCES	4 6
"	XIII.—PLANE COORDINATE GEOMETRY, with 182 Diagrams	7 6
"	XIV.—SOLID COORDINATE GEOMETRY, with 20 Diagrams	4 6

The Modern Geometry of the Triangle.

By WILLIAM GALLATLY, M.A. In this publication are presented some of the more important researches on the subject which have been undertaken during the last thirty years. The novel and interesting theorems, some British but mostly from French and German sources, will widen the outlook of our mathematical instructors and lend new vigour to their teaching. Second Edition, 124 pages, price 2s. 6d. (by post 2s. 9d.). Specimen pages and synopsis free.

Proceedings of the London Mathematical Society.

First Series of 35 vols., 10s. to 35s. Second Series, 16 vols. already published, 25s. per vol. Separate parts, 7s. 6d. each.

Mathematical Questions and Solutions.

Edited by CONSTANCE I. MARKS, B.A. Of this series 104 half-yearly volumes (Old Series, 75 volumes; New Series, 29 volumes) have been published, containing contributions, in all branches of Mathematics, from most of the leading Mathematicians in this and other countries. Price 6s. 6d. per vol.

The Elements of Logarithms: with Sandhurst and Woolwich Questions. Price 1s. 6d.

Quadratic Partitions.

By Lieut.-Col. ALLAN CUNNINGHAM, R.E. Crown 8vo, cloth, price 12s. net.

Tracts Relating to the Modern Higher Mathematics.

By the Rev. W. J. WRIGHT, M.A.
Tract No. 1.—DETERMINANTS. Tract No. 2.—TRILINEAR COORDINATES.
Tract No. 3.—INVARIANTS.
Price 5s. each, or 12s. 6d. for the three if ordered together.

Lectures on the Elements of Applied Mechanics.

Comprising—(1) Stability of Structures; (2) Strength of Materials. By MORGAN W. CROFTON, F.R.S., late Professor of Mathematics and Mechanics at the Royal Military Academy. Revised by H. HART, M.A. Price 7s. 6d. Third Edition.

FULLER Particulars of any publication, together with Educational Catalogue, Post Free on application to—
FRANCIS HODGSON, 89 Farringdon Street, Ludgate Circus, E.C. 4.

LANGUAGES, &c.

Hamiltonian System of Languages.

A short and easy method of learning a foreign language by a close interlinear translation. The following works are done in this series:—

French and English.	s. d.	Latin and English.	s. d.
Gospel of St. John	2 6	Cæsar's Gallic War, Bks. I-IV	4 6
Télémaque, Books I-IV	3 6	Eutropius	1 6
Perrin's Fables	1 6	Virgil's Æneid, Books I-IV	3 6
Petit Jack	2 6	Gospel of St. John	2 6
Recueil Choisi	3 6	Sallust, Catiline	2 0
French Verbs	1 6	Jugurtha	3 0
		Cornelius Nepos	5 6
		Selectæ e Profanis Historiæ	
		Vol. I	2 6
		Vol. II	3 6
		Spanish and English.	
		Gospel of St. John	2 6
		German and English.	
		Gospel of St. John	2 6
		Robinson der Jüngere, Text	2 6
		Translation	3 6

Schilling's Spanish Grammar.

Edited by FREDERICK ZAGEL. Crown 8vo, 348 pages, price 3s. 6d. Key to the above, 2s.

"Don Basilio."

By the same Author and Editor. A practical guide to Spanish Conversation and Correspondence. Crown 8vo, 164 pp., price 2s. 6d.

Italian Conversational Course.

A new method of teaching the Italian language, both theoretically and practically. By G. TOSCANI, Professor of the Italian Language and Literature in Queen's College, London. Fifth Edition. Price 5s.

Italian Reading Course.

By the same Author. Comprehending specimens in Prose and Poetry of the most distinguished Italian writers, with biographical notices, explanatory notes, and rules on Prosody. Price 3s. 6d.

Historical Rhymes.

By Sir REED GOOCH BAGGORRE. From William I to Edward VII. Fcap. 8vo, 148 pp., limp cloth, price 1s. 6d.

Mythological Rhymes.

Being Entertaining Narratives of the Greek Legends in Rhyming Prose. By the same Author. 8vo, 116 pp., price 4s.

The Elements of the Theory and Practice of Book-keeping.

Based upon the principle of Correlative Double Entry. By JOHN WALMSLEY, M.A. Crown 8vo, cloth, 264 pp., price 3s. 6d.

Outline Maps and Drawing Copies.

As set at the College of Preceptors Examinations.
Outline Maps—The World, British Isles, England and Wales, Scotland, Ireland, Thames Basin, Mersey Basin, North Sea, Mediterranean, Europe, Asia, Africa, N. America, S. America, Australia. Price 11d. per Map, or 1s. per dozen, post free (alike or assorted).

Drawing Copies (Freehand). About 100 different subjects. Price 21d. per copy, post free; or 1s. 9d. per dozen, post free (alike or assorted). State whether Senior, Junior, Preliminary, or Lower required.

Carpenter's Drawing Books.

Pencilled copies and easy examples, interleaved with tissue paper. By GEORGE CARPENTER, late Principal Drawing Master in the Stationers' Company's School. Contents of the respective parts:—Curves. Outlines of Familiar Objects. Introduction to Perspective. Trees. The Human Figure. Ornament. Price 1s. each part.

The Public School Modern Handwriting.

By R. WENLOCK, F.R.G.S. Crown 8vo, price 6d.

STAMP COLLECTING.

Edited by DEREK INGRAM.
The up-to-date Weekly Newspaper for Philatelists.
Price 2d. Weekly. Subscription 10s. per annum, post free.

STAMPS FOR BEGINNERS.

An instructive illustrated handbook, by D. B. ARMSTRONG and R. E. R. DALWICK. 6d.

THE CATALOGUE OF PHILATELIC LITERATURE.

With Prices. By PERCY C. BISHOP. Price 1s. Cloth 2s. 6d.

N.B.—Full list of Philatelic Publications and particulars of Special Offers in Philatelic Literature free on application. Advice as to best methods of the sale and purchase of stamps gratis.

F. HUGH VALLANCEY, 89 Farringdon St., London, E.C. 4.

SAVE

ENVELOPES, PAPER, and MONEY.

The Economy Envelope Labels

provide a means by which all may help in the National War-Economy Campaign. Old envelopes may be used again, and again, and again.

Send 1/- for a sample 100, or 9/- for 1000, to:—

F. H. VALLANCEY, Publisher,
89 FARRINGDON STREET, LONDON, E.C. 4.

Everything Educational

FOR PUBLIC, SECONDARY, AND PRIVATE SCHOOLS.
**MORE PAPER OF BETTER QUALITY
 AT REDUCED PRICES.**

Owing to the Board of Trade having announced the cessation of the control and restriction of paper and paper making materials, the mills are now making better qualities at a cheaper price. Consequently the E.S.A. can now supply its well-known series of superior Exercise Books as follows:—



Exercise Book No. 21, 80 pages, superior Cream Laid Paper, bound in strong limp leatherette cover at 55/- gross.

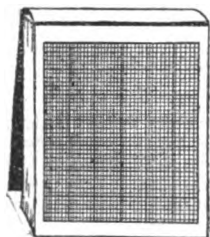
Exercise Book No. 22, 80 pages, superior Cream Laid Paper, bound in stiff art coloured cover, at 51/- gross.

Exercise Book No. 27, 80 pages, superior Cream Laid Paper, bound in stiff leatherette cover stamped in gold on the side, at 57/- gross.

Exercise Book No. 28, 96 pages, superior Cream Laid Paper, bound in stiff leatherette cover, embossed sunk label, at 63/- gross.

The above books can be supplied to order in various coloured covers, and the name of the school printed for lots of 2 gross and upwards. *Specimens will be sent free on request.*

SCIENCE BOOKS AND BLOCKS.



We carry a very large stock of Science Books and Blocks, Graph Books and Papers ruled in Centimetre and Millimetre Squares, Centimetre and Two-millimetre Squares,

Tenths and Half-inch Squares, Fifteenth & One-third-inch Squares at various prices.

Science Blocks (as illustration), ruled in Centimetre and Millimetre Squares, at 7/6 per doz.; ruled in Tenths and Half-inch Squares, at 7/6 per doz.

Specimens free on request.

NATURE NOTE BOOKS.

Nature Note Books—the best and most complete series issued—made of excellent writing paper, interleaved with superior water-colour paper, and strongly bound—at 30/- per gross and upwards.

WE CARRY A LARGE STOCK
 of all kinds of School Stationery including

EXERCISE BOOKS AND PAPER,	NOTE BOOKS,
SCIENCE NOTE BOOKS AND PAPER,	EXAMINATION PAPER,
DRAWING BOOKS AND PAPER,	FOOLSCAP PAPER,
NATURE NOTE BOOKS,	BOOK-KEEPING BOOKS,
BRUSHWORK AND COLOUR BOOKS, &c., &c.	

The E.S.A. at its Factory at Hatton Wall manufactures every kind of School Stationery.

FURNITURE MADE OF ENGLISH OAK.

SUPERIOR FURNITURE.

As imported Pitch Pine is scarce and very dear, the E.S.A. has bought a large quantity of English Oak, which is the most durable and beautiful wood for School Furniture.

Prices compared with pre-war are high, but in view of the high wages the world over, it is doubtful if School Furniture will be cheaper for a long while. We therefore urge our customers to order at once.

THE "STANTON" DESK.

The most perfect Hygienic Desk made—a sliding Desk.

It is supplied in six different patterns and in five distinct sizes—the different parts being carefully proportioned in each height.



SCIENCE LABORATORY FITTINGS FOR SCHOOLS.

The E.S.A. has 25 years' practical experience in the fitting up of school laboratories and carry out the whole of the work, including the gas and water services, flues, and drainage.

The E.S.A. has supplied laboratory fittings to:—

The National Physical Laboratory, Teddington.

Science and Art Department, South Kensington.

Electrical Standardizing Institute, London,

and a large number of Public and Secondary Schools in Great Britain.

The E.S.A. also supplies simple benches for Physical work.



THE "ESAVIAN" PATENT FOLDING PARTITIONS AND SCREENS.

These partitions are constructed on an entirely new principle of patented sliding pilasters between each pair of leaves; this arrangement provides the easiest possible movement. Doors on the Esavian principle thirty feet high have been supplied and have proved to be thoroughly reliable and satisfactory.



The E.S.A. at its Factory at Stevenage manufactures every kind of School Furniture.

The Educational Supply Assoc.ⁿ Ltd

STEVENAGE HOUSE, 40-44 HOLBORN VIADUCT, LONDON, E.C.1.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

ALL RIGHTS RESERVED.

No. 599.
Vol. 51. WITH SUPPLEMENT.

LONDON, JUNE 2, 1919.

PRICE 8D.; BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

July 1919 issue ready on June 30.
Advertisement scale is on page 369. The
latest time for prepaid Advertisements is
JUNE 23.

SCHOLARSHIP NOTICES.

See pp. 340 and 341.

PHYSICAL TRAINING.

See pp. 335, 339, 344.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and p. 405.

UNIVERSITY TUTORIAL COLLEGE,
See p. 335.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See pp. 350, 369, 404, 417.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
New PREMISES: 7, 9 & 10 Brunswick Sq., London,
W.C.1.

For Holiday Course Advertisement, see page 342.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.
(Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced.

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.
When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W. 1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

TEACHERS' DIPLOMAS.

The COLLEGE OF PRECEPTORS holds Exam-
inations of Teachers for the Diplomas of Associate,
Licentiate, and Fellow of the College in London,
Belfast, Birmingham, Bristol, Cardiff, Cork, Dublin,
Glasgow, Leeds, Liverpool, Manchester, Newcastle-
on-Tyne, and Plymouth. The Theory and Practice
of Education is an obligatory subject for
each grade. For Regulations apply to the SECRE-
TARY, College of Preceptors, Bloomsbury Square,
London, W.C.1.

PRELIMINARY EXAMINATIONS

FOR

MEDICAL, DENTAL,

AND

PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Ealing, Exeter, Margate,
Plymouth, Portsmouth, Sheffield, Southampton,
Southport, Sunderland, and York. For Regulations,
apply to the SECRETARY, College of Preceptors,
Bloomsbury Square, London, W.C.1.

University Correspondence College

(Founded in 1887.)

PRINCIPAL: WILLIAM BRIGGS, LL.D.,
D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.

London University Degrees,

B.A., B.Sc., M.A., LL.B.,
B.Sc. (Economics), B.D.

(Graduates of British Universities and hold-
ers of certain diplomas can register as
matriculated students of London University
without passing the Matriculation Exam-
inations.)

A Short Guide

TO

LONDON UNIVERSITY EXAMINATIONS,

giving full particulars of Courses and Fees,
Post Free to Private Students from the
SECRETARY.

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination

Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1918 - 1893

Candidates in various Groups: 205 First
Class; 368 Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-18 43

(Only two failures.)

Oxford Higher Local, 1903-18 - 178

Candidates in various Sections.

M.D. (Lond.), 1901-18 - 232

(Including 6 Gold Medallists
during 1913-1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1918-19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION. A SUMMER SCHOOL

will be held from July 31—August 16 at Westfield College, University of London. One Course will consist of lectures, accounts of experiments, and discussions bearing on "Reality and Life in Education." Other Courses will be on Handwork—for guidance in preparation for the new Diploma of Handwork of the National Froebel Union—Gardening, Eurhythmics, Music (including Sight Singing, Ear Training, &c.).

This year a few grants towards expenses will be given by the Council of the Froebel Society. Applications should be made before June 1st. Further particulars may be obtained from Miss James, 10 Park Mansions, Battersea Park, S.W.11.

Other Summer School announcements will be found on pages 335, 342—344, and 367.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

A BERDARE HALL, CARDIFF.—RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.
Principal: Miss KATE HURLBATT, Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—Miss C. P. TREMAIN, B.A.

UNIVERSITY OF ST. ANDREWS.
UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 65 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

BRIGHTON.

GRAFTON HOUSE, Grafton
Street, Marine Parade (door sea).—Homely board-residence. 10 bedrooms. Bath (h. and c.). Electric light throughout. Good table. Moderate.

UNIVERSITY OF LIVERPOOL.
UNIVERSITY HALL.

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

DEAN FOREST.

SEVERN WYE VALLEYS;
beautiful Holiday Home (600 feet up); spacious house, grounds; Bath, Billiards, Tennis, Motors, magnificent Scenery. Boarders 42/- to 50/-. Photos, Prospectus.—Littledean House, Littledean, Glos.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Comfortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.—The Misses Watson.

KESWICK.

ENGLISH LAKES.—Guests received in country private house. Grounds. Near church, post, telegraph and telephone office. Climbing, boating, fishing. Lovely scenery. Moderate terms.—Miss SCOTT, Borrowdale Gates, Keswick, Cumberland.

LEIGH-ON-SEA.

THREE Paying Guests received. Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—Mrs. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB,
9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

30. 31. &c., UPPER BEDFORD
PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL,
21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegrams: "Baggage, London." Phone: Gerrard 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

MENDIPS.

TO LET, without attendance, June to September, very simply furnished rooms in pleasantly situated house on Mendips. Three bedrooms (five camp beds), two sitting, kitchen. Address—No. 10, 821, c/o Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

ST. LEONARDS-ON-SEA.

WILTON HOUSE HOTEL.—Unique Position. Sea front, Golf, Tennis, Croquet, Bowls, Fishing, Municipal Orchestra. Good Cuisine. Over 40 bedrooms. From 8s. 6d. dav. Phone 159 Hastings—PRINCIPAL.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home: good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.**

**SCHOLASTIC AGENCY for
JUNIOR FORM AND KINDERGARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
KINGSFIELD,
DARTFORD HEATH, KENT.**

Trustees:

Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.

Principal:

Miss H. WALTON (Oxford Honour School Eng. Language and Literature).

Vice-Principal:

Miss A. WIKNER (Royal Cent. Inst. of Gymnastics, Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course extends over two years. It includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics; Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 23 acres, in a beautiful and healthy locality close to Dartford Heath.

The demand for mistresses of physical training holding the Diploma of this College is at present far in excess of the supply.

The course begins in **October**. Further particulars may be obtained on application to the SECRETARY.

**BERGMAN ÖSTERBERG
UNION OF TRAINED GYMNASIAC TEACHERS.
*Ling's Swedish System.***

Aim of the Union: To advance the cause of Physical Education on scientific lines.

In placing members of this Union as Teachers in Schools, careful and discriminating choice is exercised, and the exact requirements of each School specially considered.—PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.

**INTERNATIONAL GUILD,
6 RUE DE LA SORBONNE, PARIS.**

**CLASSES in the French Language,
Literature, History, and Phonetics.**

Students are prepared for the Certificat d'Etudes Françaises of the Sorbonne, and the Diplôme d'Etudes Françaises of the Guild.

For further information apply to the SECRETARY.

**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N. 6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours, London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the HEAD MISTRESS.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of all grades should apply to—THE EDUCATION SECRETARY, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.1.

**University Tutorial College.
LONDON.**

(Incorporated with University Correspondence College.)

**LONDON
MATRICULATION.**

A Morning Class works continuously throughout the Summer with the exception of July 12th to July 28th. This Course includes a systematic Revision Class working both Morning and Afternoon, during the three weeks immediately preceding the September Examination.

**SEPTEMBER
MATRICULATION.**

During the Period of the War over 1,000 Students of U.T.C. have passed in different Public Examinations.

Practical Classes in Science are held during the Summer Vacation, commencing Tuesday, August 5th. Definite Courses of Laboratory Work are arranged for students taking the B.Sc. and B.A. Examinations next October.

**AUGUST
VAC. CLASSES.**

B.Sc. and B.A. Examinations next October.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN, W.C.



**THE
ASSOCIATED BOARD**

OF THE

ROYAL ACADEMY OF MUSIC

AND THE

ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

LOCAL CENTRE EXAMINATIONS (Syllabus A).
Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres and in the London district and certain Provincial Centres in November-December also. Entries for the November-December Examinations close Wednesday, October 15th, 1919.

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a year, viz., October-November, March-April, and June-July. Entries for the October-November Examinations close Wednesday, October 8th, 1919.

The Board offers annually SIX EXHIBITIONS, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year. Syllabuses A and B, Entry Forms, and any further information will be sent post free on application to—

JAMES MUIR, Secretary,

14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA, LONDON."

SPECIAL CORRESPONDENCE COURSES:

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. Exams., 1910-19

169 Correspondence Students successful.

MR. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R. M., c/o Forsyth Bros., Deansgate, Manchester.

**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.**

President: **SIR FRANK BENSON,**
Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.,**
Royal Albert Hall, Kensington Gore S.W.7.

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

SUMMER TERM BEGAN MAY 3rd.

**SUMMER SCHOOL
OF SPEECH TRAINING,
AUGUST 1-16,
STRATFORD - ON - AVON
SUMMER FESTIVAL.**

**ASSOCIATION OF TEACHERS
OF
SPEECH TRAINING.**

Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.

President:

Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, South Kensington, S.W.7.

Secretary:

Miss WELLESLEY-READE, 44 Fairholme Road, West Kensington, W.14.

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply—Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 333-338; [Halls of Residence] 334; [Physical Training] 335, 339, 344; [Summer Schools] 334, 335, 342-344, 367; [Scholarships] 340, 341; 341, 344-348, 367, 391, 392, 405, 416.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W. 2.

TRAINING COLLEGE

(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANE HUBBACK, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes; Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union.

Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools.

Diploma Students attend University Lectures. Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

THE UNIVERSITY OF SHEFFIELD.

COURSES are held and DEGREES

(Bachelor, Master, and Doctor) are awarded in the following Faculties:—ARTS (including architecture), PURE SCIENCE, MEDICINE, LAW, ENGINEERING (including Mining), and METALLURGY.

The Degree of Doctor of Philosophy (Ph.D.), is awarded in the Faculties of Arts, Pure Science, Law, Engineering, and Metallurgy. This degree is awarded on post-graduate study, and graduates of the University of Sheffield and other approved Universities are eligible.

DIPLOMAS are awarded in Modern Language Teaching, Education, Architecture, Domestic Science, Mining, Glass Technology.

ASSOCIATESHIPS are awarded in Engineering, Iron and Steel Metallurgy, and Non-Ferrous Metallurgy.

The University Hall for Women, Oakholme, Clarkehouse Road, stands in six acres of grounds, and affords all the advantages of collegiate life.

Entrance and Post-Graduate Scholarships are awarded each year.

W. M. GIBBONS, Registrar.

THE UNIVERSITY OF LIVERPOOL.

SESSION 1919-1920.

The Autumn Term begins on TUESDAY, October 7, 1919.

Prospectuses, and full particulars of the following, may be obtained on application to the Registrar:—
JOINT BOARD MATRICULATION EXAMINATION.

FACULTIES OF ARTS, SCIENCE, MEDICINE, LAW, AND ENGINEERING.
SCHOOL OF ARCHITECTURE.
DEPARTMENT OF CIVIC DESIGN.
DEPARTMENT OF COMMERCE.
INSTITUTE OF ARCHÆOLOGY.
DEPARTMENT OF EDUCATION.
DIPLOMA IN EDUCATION.
UNIVERSITY TRAINING COLLEGE.
UNIVERSITY EXTENSION BOARD.
SCHOOL OF SOCIAL SCIENCE AND OF TRAINING FOR SOCIAL WORK.
SCHOOL OF LOCAL HISTORY AND RECORDS.
SCHOOL OF RUSSIAN STUDIES.
DEPARTMENT OF PUBLIC HEALTH.
SCHOOL OF TROPICAL MEDICINE.
SCHOOL OF VETERINARY SCIENCE.
SCHOOL OF DENTAL SURGERY.
FELLOWSHIPS, SCHOLARSHIPS, STUDENTSHIPS, EXHIBITIONS, SPECIAL GRANTS AND PRIZES.
HALLS OF RESIDENCE.
UNIVERSITY CALENDAR (price 1/-; post free 1/6).

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION.

In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W. 6.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emrgency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

PRINCIPAL: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

Next term begins on September 20th.

GOLDSMITHS' COLLEGE, TRAINING DEPARTMENT.

(Under the control of the University of London.)

THERE are Vacancies for Men, and for Women able to live at home during their training, for admission in September, 1919 to (1) the Two Year Course; (2) the One Year Course for Graduates and Certificated Teachers; (3) the Course lasting three years for Students preparing for the B.A. (Internal) Degree of the University of London; (4) Specialized Third Year Courses for persons who have already been trained for two years. Applications for the Two Year Course from Discharged Soldiers of good general education will be considered. Full particulars and Application Forms from the ACTING WARDEN, Goldsmiths' College, New Cross, S.E. 14.

THE UNIVERSITY OF LIVERPOOL TRAINING COLLEGE.

Recognized by the Board of Education in accordance with its regulations for the training of Teachers in Elementary Schools.

STUDENTS are admitted for a four

years' Course in which they are prepared for Degrees in Arts or Science. The Board of Education pays tuition fees and makes a maintenance grant.

Application for admission should be made to the PRINCIPAL, from whom information as to the studies, residence, and fees may be obtained.

ST. GEORGE'S TRAINING

COLLEGE (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council: The Rev. W. TEMPLE, D.Lit. Principal: Miss B. S. PHILLIPPS, O.B.E., M.A.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident from £95 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination held annually in May.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W. 3.

TRAINING COLLEGE, DARLINGTON.

A One Year Course of Training is arranged for those wishing to gain experience in teaching older children. Teaching practice is provided in "Higher Tops," Central Schools, and in Continuation Classes.

Trained Certificated Teachers, or Graduates, or Candidates who have passed Higher Local Examinations are eligible.

Particulars as to fees, grants, and courses of study, on application to the Principal, Miss F. HAWTREY.

THE TRAINING COLLEGE, DARLINGTON,

Nursery Training School, Hampstead, N.W. 3,

have arranged a combined Training Course for Superintendents of Nursery Schools. The Course will be for One or Two Years according to entrance qualifications.

For particulars, apply to the PRINCIPAL, Training College, Darlington, or to the WARDEN, Nursery Training School, Wellgarth Road, Hampstead, N.W. 3.

WHITELANDS TRAINING COLLEGE, CHELSEA, S.W. 3.

A SPECIAL One-Year Course of Training, recognized by the Board of Education, for those desiring to teach in

CONTINUATION SCHOOLS,

will be held at the above College from September, 1919.

For particulars as to Entrance Qualifications, Fees, Course of Training, &c., apply to the SECRETARY.

TRAINING COLLEGES and Technical Schools.

See also, pages 333-338; [Halls of Residence] 334; [Physical Training] 335, 339, 344; [Summer Schools] 334, 335, 342-344, 367; [Scholarships] 340, 341; 341, 344-348, 367, 391, 392, 405, 416.

BEDFORD COLLEGE FOR WOMEN

(University of London),

REGENT'S PARK, N.W.1.

SECONDARY TRAINING DEPARTMENT.

Recognized as a Training College by the Board of Education, the University of London, and the Cambridge Syndicate.

For particulars of Scholarships and Bursaries apply to the Head of the Department, Miss S. MELHUSH, Final Hist. Hons. Oxon., M.A. Vict., London Diploma in Pedagogy (University Reader in Education).

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON),

CAMPDEN HILL ROAD, W.8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

MEDICAL PRELIMINARY EXAMINATIONS

THE University Examination Postal Institution

provides courses in preparation for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors. Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes. Oral lessons are also given.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C.1.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams: "Eurhythm, London." Telephone: Museum 2294.

In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

UNIVERSITY OF MANCHESTER.

THE Session will commence on Wednesday, October 8th.

Particulars as to the various departments of the University are contained in the following prospectuses and leaflets which may be obtained on application to the REGISTRAR:—

- Faculty of Arts.
- Faculty of Science.
- Faculty of Technology.
- General Information.
- Information for Women Students.
- Faculty of Law.
- School of Architecture.
- Special Evening and Public Courses.
- Department of Geology and Mining.
- Courses of Study in connexion with Social Work.
- Faculty of Commerce.
- Faculty of Theology.
- Faculty of Medicine.
- Dental Department.
- Pharmaceutical Department.
- Public Health Department.
- Fellowships, Scholarships, Exhibitions and Prizes.
- Advanced Studies.
- Engineering Department.
- University Extension Committee.
- Faculty of Music.
- Faculty of Education.

The UNIVERSITY CALENDAR, price 5s. net, by post 5s. 5d. (Student's Edition, price 1s. 6d., by post, 1s. 11d.), may be obtained from any bookseller, or the University Press, 12 Lime Grove, Oxford Road, Manchester.

UNIVERSITY OF MANCHESTER. FACULTY OF EDUCATION.

TEACHER'S DIPLOMA (SECONDARY BRANCH).

Sarah Fielden Professor: J. J. FINDLAY, M.A., Ph.D., M.Ed.

Director of Department: Professor H. BOMPAS SMITH, M.A., M.Ed.

Tutor: Dr. OLIVE WHEELER.

THE One-Year's Course for the

University Teacher's Diploma is open to Graduates of other Universities who are eligible for Bursaries.

Applications should be made before 1st July to the REGISTRAR, from whom further particulars may be obtained.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Teachers'

Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

The Edinburgh School of Cookery and Domestic Economy.

5 Atholl Crescent.

FORTY-FIFTH SESSION, 1919-1920.

THE following Courses of Training can be taken:—

- I. TRAINING FOR TEACHERS IN COOKERY, LAUNDRY WORK, and HOUSEWIFERY—2 years and 2 terms.
- II. TRAINING FOR TEACHERS OF NEEDLEWORK, DRESSMAKING, and MILLINERY—2 years.
- III. HOUSEWIFE'S TRAINING—6 months.
- IV. HOUSEKEEPER'S TRAINING—6 months.
- V. COOK'S CERTIFICATE—3 months.
- VI. LAUNDRY MANAGERESS'S CERTIFICATE—4 months.
- VII. TRAINING for PRINCESS LOUISE NURSES for CHILDREN—6 months.

Students are received for any number of selected lessons in Cookery, Needlework, Dressmaking, and Millinery, and Courses in Hygiene, Sick Nursing, &c.

The School is recognized as a Central Institution by the Scottish Education Department, and the Teacher's Diploma is recognized by the Education Boards of England, Scotland, and Ireland.

There are four Boarding Houses for Students in connexion with the School.

There is a large demand for Women holding the Diplomas and Certificates of this School, and Students have no difficulty in obtaining suitable situations at good salaries.

Full Prospectus on application to the PRINCIPAL, 5 Atholl Crescent, Edinburgh, who will give additional information, and will advise as to the most suitable Courses.

Northern Counties Training School of Cookery and Household Economy,

NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.

School year began September.

TRAINING COLLEGES & Technical Schools.

See also pages 333-337; [Halls of Residence] 334; [Physical Training] 335, 339, 344; [Summer Schools] 334, 335, 342-344, 367; [Scholarships] 340, 341; 341, 344-348, 367, 391, 392, 405, 416.

CITY OF SHEFFIELD EDUCATION COMMITTEE.

TRAINING COLLEGE IN DOMESTIC SUBJECTS,
Leopold Street.
(Recognized and inspected by the Board of Education.)
Principal: Miss MARY E. LEICESTER.

STUDENTS trained as Teachers in all branches of Domestic Science. Maintenance Grants payable for Board of Education Diploma Students. Short Courses of training in all subjects. College Hostel provided.

College reopens in September, 1919.

For full particulars apply to the PRINCIPAL or the undersigned.

H. S. NEWTON,
Education Office, Sheffield. Secretary.

GUILD OF EDUCATION AS NATIONAL SERVICE.

HALSEY TRAINING COLLEGE (Recognized by the Board of Education)

FOR

Rural and Urban Day Continuation Work.

PREPARATION for work in DAY CONTINUATION SCHOOLS for Factory and Town Workers at Canning Town, E., where there are Voluntary Continuation Classes at the Hostel, and an "Education and Recreation Centre" for Unemployed Factory Girls.

Preparation for work in similar schools for Rural and Farm Workers at Kenton, near Harrow Hostel, Clubs, and Instructional Market Garden Farm.

Board of Education Grants available for Graduates and for Certificated Teachers (men and women), Ministry of Labour Grants for Training and Maintenance given to demobilized men.

Apply—Org. Sec., Guild of Ed. as Nat. Service, 11 Tavistock Square, W.C.1.

BIRKBECK COLLEGE

BREAMS BUILDINGS, CHANCERY LANE, E.C.4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)

FOR DEGREES IN

ARTS, SCIENCE, ECONOMICS, LAWS, under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.

GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10.10s.; Science, £17.10s.
Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

BATTERSEA POLYTECHNIC, LONDON, S.W.11.

DOMESTIC SCIENCE TRAINING DEPARTMENT.

Recognized by the Board of Education for the Training of Teachers.

Head of Department: Miss MARY E. MARSDEN.

FULL Courses of Training for Teachers of Cookery, Laundrywork, Housewifery, including Infant Care, Science applied to Housecraft, Needlework, Dressmaking, and Millinery.

Training for Housekeepers and School Matrons. Hostels for Students.

For particulars of Curricula, Fees, Scholarships, and Hostels, apply to the SECRETARY.

THE GIPSY HILL TRAINING COLLEGE FOR TEACHERS OF YOUNG CHILDREN.

PRINCIPAL: MISS LILLIAN DE LISSA
(*Montessori Diploma*).

Late Principal, Kindergarten Training College, Adelaide, South Australia.

THE College provides Training, both for Resident and Day Students, in the Principles and Practice of Education advocated by Dr. Montessori and other modern educators. Two classes of Students are received:—

- (1) Students recognized by the Board of Education.
 - (a) Students taking a Two-Year Course.
 - (b) Certificated Teachers taking a Special One-Year Course.
- (2) Private Students. (a) Two-Year Course with a view to work in Nursery Schools, Secondary Schools, or as Governesses. (b) One-Year Course for experienced teachers. Students are admitted yearly in September.

For Prospectus apply to—

**THE PRINCIPAL,
Gipsy Hill Training College,
Gipsy Hill, London, S.E.19.**

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Institut Français du Royaume Uni (UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.1.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

THE ENGLISH FOLK DANCE SOCIETY.

CLASSES in FOLK DANCING

will be held at REEVE HALL, 76 East Street (near Baker Street Station), during the Summer term from May 5th to July 12th, on Monday and Wednesday evenings and Saturday mornings. Certificated in Folk Dancing are granted by the Society.

For further particulars apply to the SECRETARY, 73 Avenue Chambers, Vernon Place, Bloomsbury, London, W.C.1.

THE INCORPORATED SOCIETY OF MUSICIANS.

FOUNDED 1882.

INCORPORATED 1892.

OBJECTS OF THE SOCIETY.

The objects for which the Society is established are the promotion of whatever may tend to the elevation of the status, and the improvement of the qualifications, of all Members of the Musical Profession, or may aid the musical education of the people.

ADVANTAGES OF MEMBERSHIP.

The inclusion of the names of members in an Annual Register, which is supplied to all Public Libraries and Reading Rooms, for the purpose of affording the public an opportunity of selecting qualified teachers. (The publication of this Register has been suspended for the moment owing to paper and other restrictions, but will be resumed as soon as possible.)

A quarterly periodical called "The Report," in which an account of the Society's work and other matters of interest are recorded, and which is open to members for the discussion of all questions relating to the musical profession.

A Benevolent Fund for members, the Regulations for which have purposely been made as wide as possible in order to meet the many and very varying contingencies which arise from time to time.

An Orphan Fund for the children of musicians, which is open to the dependents of all musicians, whether their parents were members of the Society or not.

Sectional Meetings, which are open to all members in all parts of the country, and at which excellent arrangements are made for the reading of papers and the discussion of matters musical.

Legal Advice on all professional matters; Income Tax Claims; Copyright; The Recovery of Fees, &c.

Registers open to members of "Vacant Appointments" and "Engagements," and for the transfer from member to member of pupils moving to new districts.

Registers of Hotel and other accommodation available for members when travelling to fulfil professional engagements.

LOCAL EXAMINATIONS IN MUSIC.

The examinations of the Society, established in 1884, are carefully arranged in a systematic series of Progressive Grades, embracing a complete course of musical study, and constitute a most valuable guide for Teachers in recording the progress of their pupils.

The Syllabus is prepared by a Committee of experienced Teachers, who are qualified by active practice to judge of the standard which should be attained by pupils in all stages of progress.

A limited number of Prizes and Scholarships are awarded to those presenting exceptional work at the Local Examinations, the Scholarships taking the form of a payment for the further musical training of the Student.

FULL PARTICULARS MAY BE OBTAINED UPON APPLICATION TO THE GENERAL SECRETARY, 19 BERNERS STREET, W.1.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GORING, 34 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION FOR WOMEN.

(SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Applications for admission in September next should be made now to the HEAD MISTRESS (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE,

WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS' GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC,
REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYM-NASTIC TEACHERS.

See advertisement on page 335.



THE INCORPORATED BRITISH COLLEGE of PHYSICAL EDUCATION.

Until further notice all inquiries should be addressed to—

Mr. FRANK H. GELLING,

Hon. Secretary,

41a Lyric Road, Barnes, London, S.W. 13.

PHYSICAL TRAINING COLLEGE,
QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W. 7.

Educated Girls Trained as TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PHYSICAL TRAINING COLLEGE

(Ling's Swedish System.)

BATTERSEA POLYTECHNIC, S.W. 11.

THREE YEARS' COURSE of Training for Teachers of Swedish, Educational, and Remedial Gymnastics. Games, Dancing, &c. Diplomas granted. FEE—£75 for the complete Course.

ONE YEAR COURSE of Training in Swedish, Remedial, Exercises, and Massage. Excellent opportunities for Clinic and Hospital Work. Students are prepared for the Examinations of the I.S.T.M. FEES from £25, according to subjects taken.

For particulars of Curricula, Scholarships, Hostels, &c., apply to the SECRETARY.

ANSTAY PHYSICAL TRAINING COLLEGE, ERDINGTON,

offers well-educated women complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

Residential Fees: £100 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

For other Physical Training Advertisements see pages 335 and 344.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, STUDENTSHIPS, and BURSARIES.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. SROCKS, M.A.
Inclusive Fees, £57 to £66 per annum. Modern
Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.
Illustrated prospectus and full particulars on
application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

CRANBROOK SCHOOL, KENT.

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS
and EXHIBITIONS are held in March, June, and
November. For particulars apply to the HEAD
MASTER, The School House, Cranbrook, Kent.

NEWNHAM COLLEGE.—TWO

SCHOLARSHIPS, one for Classics and one
for Modern Languages, are offered in March, each of
£30 a year for three years. Other Scholarships are
offered on the results of the Cambridge Higher
Local Examinations in June. Particulars can be
obtained from the PRINCIPAL.

KING'S SCHOOL, CANTER-

BURY.—ENTRANCE and KING'S
SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS
offered for competition twice annually,
in June and November. For particulars apply to
the Head Master—A. LATTER, M.A.

BRIGHTON COLLEGE.—An

Examination will be held in June, 1919, to
elect to EIGHT SCHOLARSHIPS varying in value
from £60 to £45 a year. Full particulars on applica-
tion to the HEAD MASTER.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

ST. JOHN'S SCHOOL, LEATHER-

HEAD.—In addition to sons of living clergy elected on the Free Foundation, Supplementary Foundationers (sons of living clergy only) are received at the annual fee of 35 guineas. The School is also open to sons of Clergy or Laymen paying full fees, viz., Clergy 60 guineas, Laymen 60 guineas per annum. Day-Boys 30 guineas per annum. Modern School buildings for 230 boys. Boys prepared for the Universities, Army and Civil Service Examinations, &c. Leaving Scholarships. One or two Albany Scholarships awarded each year. Also three Entrance Scholarships, value £30, £25, and £20 per annum. Scholarship examination for 1919 on the first Tuesday in July; entries close the last day of June. For Prospectus, &c., apply to the Head Master, the Rev. E. A. DOWNES.

WEYMOUTH COLLEGE.

SIX SCHOLARSHIPS for CLASSICS OR MATHEMATICS,

of the value of £40 downwards, and open to boys
between twelve and fourteen, will be offered for

Competition on Wednesday and
Thursday,

June 11th and 12th, 1919.

For Prospectus and other information apply to the
HEAD MASTER.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by
post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH,
M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships
and Exhibitions, varying from £50 to £15,
is held annually in May. General knowledge is
required in preference to specialization in one
subject. Exhibitions also awarded on the Common
Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

SHERBORNE SCHOOL.

AN Examination for ENTRANCE

SCHOLARSHIPS, open to Boys under 14 and
over 12 years of age on June 1st, 1919, will be held on
June 10th and following days. Further information
can be obtained from the HEAD MASTER, School
House, Sherborne, Dorset.

BEDFORD SCHOOL.—Head

Master: REGINALD CARTER, M.A. An Exam-
ination will be held at Bedford on March 18th, 1919,
for 4 Exhibitions £50-£40, and 6 Nominations £10-£20
for Boarders, and 4 for Day Boys. Apply for par-
ticulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EXHIBITIONS.—Seven Exhibitions are offered to Sons
of Old Bedfordians on certain conditions. For par-
ticulars apply—HEAD MASTER, Bedford School.

LANSING COLLEGE

SCHOLARSHIPS.—ENTRANCE Scholar-
ships will be offered for competition on Tuesday,
June 3rd, 1919, and following days. Candidates must
be over twelve years of age and under fourteen on June
1st. (a) Six Scholarships (at least), Classical and
Modern, varying from 60 guineas to 15 guineas
per annum. (b) Two Choral Exhibitions of 25
guineas per annum, open to all boys who can sing
and read music. Full allowance in all cases will be
made for age. Candidates will be examined at
Lansing, unless further notice is given to the contrary.
For prospectus and all additional information,
apply to the Head Master, Rev. H. T. BOWLBY,
Lansing College, Shoreham, Sussex.

HIGHGATE SCHOOL.

Founded, Endowed by Sir Roger Cholmeley in 1565.

The Annual Scholarship Examination will be held
on November 20 and 21, when 5 FOUNDATION,
2 GLADSTONE, and 3 BOARDING SCHOLARSHIPS
will be open. The awards vary from £41 to
£55 per annum. Applications by November 13 to
the HEAD MASTER, School House, Highgate, N.6.

"Not classics in chief, nor science alone, but the
adaptation of a boy's work to his special capacities
and needs, as these become manifest."

THE MAYNARD SCHOOL,

EXETER. Head Mistress: Miss TRENNERY,
M.A. Lond., Classical Tripos, Cambridge.—An
Examination for ENTRANCE and RESIDENT
SCHOLARSHIPS will be held on July 3rd and 4th.
Also DOMESTIC SCIENCE STUDENTSHIP
offered. Apply—HEAD MISTRESS.

CLAPHAM HIGH SCHOOL.

TRAINING DEPARTMENTS.

POSTGRADUATE	...	Miss H. DENT.
ART...	...	Miss E. WELCH.
KINDERGARTEN	...	Miss L. JAMES.
DOMESTIC...	...	Miss E. MINOT.

FOUR SCHOLARSHIPS will be awarded in June, 1919, as follows:—

- (1) One of the value of £24, tenable for one year,
offered to a graduate preparing for the
Cambridge Teachers' Certificate or London
Teachers' Diploma.
- (2) One of the value of £15, tenable for one year,
offered to an Art Student who wishes to
train as a Teacher of Drawing in a Second-
ary School.
- (3) One of the value of £15, tenable for one year,
offered to a student preparing for the Na-
tional Froebel Union Higher Certificate.
- (4) One of the value of £30, tenable for one year,
offered to a student who wishes to train
as a teacher of Domestic subjects in a
Secondary School.

Applications, giving full details of qualifications,
should be sent before June 16th. Further particulars
of any of the Scholarships can be obtained from the
Heads of Departments.

63 SOUTH SIDE, CLAPHAM COMMON, S.W.4.

SOMERVILLE COLLEGE, OXFORD.

THE following SCHOLARSHIPS
will be offered for competition in March, 1920,
on the results of an Examination to be held at the
College.

A CLOTHWORKERS' SCHOLARSHIP of £50
for 3 years. (Open only to candidates
who submit satisfactory evidence that
they cannot come into residence with-
out pecuniary assistance.)

A COOMBS SCHOLARSHIP of £50 for 3 years.
A STUDENTS' SCHOLARSHIP of £45 for
3 years.

One or more EXHIBITIONS of not less than
£20 a year.

Full particulars will be sent on application to the
PRINCIPAL or SECRETARY.

BISHOP'S STORTFORD COLLEGE.

An Examination for

SCHOLARSHIPS

will begin on

MONDAY, JUNE 30th.

For particulars apply to The HEAD MASTER.

UNIVERSITY OF MANCHESTER.

THE ROSCOE POST-

GRADUATE SCHOLARSHIP in HISTORY
of £50 for two years will be AWARDED in JULY to
the candidate showing most promise for original
research. Open to men and women. Apply, before
30th June, to the REGISTRAR, from whom particulars
may be obtained.

ST. PAUL'S GIRLS' SCHOOL,

BROOK GREEN, HAMMERSMITH, W.6.—
The next EXAMINATION for FOUNDATION
SCHOLARSHIPS will take place on TUESDAY,
WEDNESDAY, and THURSDAY, July 1st, 2nd,
and 3rd. These Scholarships exempt the holders
from payment of Tuition Fees. Applications should
be made to the HIGH MISTRESS at the School. The
last day for the registration of Candidates is Monday,
June 23rd.

SCHOLARSHIPS, &c.

CONTINUED FROM PAGE 340.

NORTHAMPTON POLYTECHNIC INSTITUTE.

ST. JOHN STREET, LONDON, E.C.1.

SCHOLARSHIPS IN ENGINEERING.

THREE ENTRANCE SCHOLARSHIPS, each of the value of £52, in Mechanical and Electrical Engineering will be offered for competition at the Entrance Examination in September, 1919. The course prepares matriculated students of the London University for the Degree of B.Sc. in Engineering as Internal Students.

MILL HILL SCHOOL, N.W.7.—

Several ENTRANCE SCHOLARSHIPS will be awarded in competition at an Examination to be held in June if candidates of sufficient merit present themselves. The Governors have power to increase the scholarships if they consider the circumstances of successful candidates render this necessary. Applications should be made to the BURSAR.

DOWNSIDE SCHOOL, BATH.—

CLASSICAL AND MATHEMATICAL SCHOLARSHIPS value £50 a year. Examination in June. Particulars from the HEAD MASTER, Downside School, Stratton-on-the-Fosse, near Bath.

KING'S SCHOOL, BRUTON,

SOMERSET.—An Examination will be held on July 1st, 2nd, and 3rd for THREE ENTRANCE SCHOLARSHIPS of £50, £40 and £30. For particulars apply to the HEAD MASTER.

DATCHELOR SCHOOL, CAM-

BERWELL GROVE, S.E.5.—An Examination will be held at the School on the 11th and 12th June, 1919, at 10 a.m. each day, for three SCHOLARSHIPS covering exemption from tuition fees (£11.5s. per annum). Candidates must be between 10 and 13 years of age, and must have attended Schools other than Public Elementary. Apply—SECRETARY, at the School.

FOR SALE.

GIRLS' DAY AND BOARDING

SCHOOL (Cathedral city), good middle class, FOR DISPOSAL. Established 1870. Principals retiring. Present numbers: 78 day pupils, 27 boarders. Excellent premises, specially adapted for scholastic purposes. Electric light, good gymnasium. Bargain. —2,300, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.

SEASIDE.—EXCELLENT DAY

CONNEXION FOR DISPOSAL. Established by present Principal (who now wishes to retire) 1887. Good opening for boarders; present pupils coming from distance lodged in town. —2,302, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881. No charge to purchasers. Valuable advice, and selected list of schools for transfer, gratis in exchange for full particulars of requirements, maximum amount of capital for investment, &c.

FOR SALE.—PREPARATORY

SCHOOL and KINDERGARTEN for children under 13, in a first-class residential neighbourhood of Surrey. 70 pupils paying from 3½ to 5 guineas a term in addition to extras. Gross receipts nearly £1,200, net profit about £400. Goodwill £750; school furniture at valuation. Vendor would accept £500 paid down, balance by instalments. Apply T.3.006, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162, Oxford Street, London, W.1.

FOR SALE.—First-class BOARD-

ING and DAY SCHOOL for Girls in N.W. of England. 20 Boarders paying from 80 to 90 guineas per annum, exclusive of extras. 95 Day Pupils paying from 15 to 24 guineas per annum, exclusive of extras. Gross receipts between £4,000 and £5,000; net profit averages £700 per annum. Goodwill £1,000; furniture at valuation. For further particulars apply—T.2,970, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

SMALL Private School in North London suburb FOR SALE. 22 day pupils, 5 to 11 years. School furniture for disposal. Address—No. 10,817.*

School Wanted.

LADY, good qualifications and experience, would like to purchase small good-class GIRLS' SCHOOL on South Coast where opportunity for extension offers. Address—No. 10,799.*

* Replies to these advertisements should be addressed "No.—, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Furniture and Apparatus.

SCHOOL FURNITURE in good condition. Offers invited. 48 single "Louise" desks, teachers' desks, gymnastic apparatus, pianos, cupboards, beds, &c. Address—No. 10,811.*

Training Colleges.

CONTINUED FROM PAGE 338.

THE HORTICULTURAL COLLEGE, SWANLEY, KENT.

Scientific and Practical Instruction in Horticulture, Fruit Growing, Marketing and Packing; Farming, Dairying and Poultry Keeping, Bee-keeping, Fruit Preserving, and Domestic Economy.

The Diploma Course, two years.

Small Holders Course, two years: one year Horticulture; two terms Farming, Dairy and Poultry Keeping; one term Domestic Economy.

Landscape Gardening Course, two years.

Commercial Horticulture Course, one year: for women with previous experience, or as a second year to one of the College courses.

For particulars apply to the Principal.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals: Miss C. CRACKNELL, late of Swanley Horticultural College. Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S. A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

SPEECH TRAINING SCHOOL, NON-RESIDENTIAL, 8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD. A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

SUMMER SCHOOLS, 1919.

See also pages 334, 335, 343, 344, 367.

FRENCH and SPANISH Holiday Courses. OXFORD.

THE TEACHERS' GUILD proposes to hold Courses as above
from August 13th to 29th, 1919.

Professor RUDLER, The University of London,
Professor FLEURE, University of Wales,
Professor STUDER, Taylorian Institute, Oxford,
WILL GIVE LECTURES.

Señor BARRAGÁN in charge of Spanish; Miss ALLISON in charge of French.

Particulars and Entrance Forms from the GENERAL SECRETARY,
9 Brunswick Square, W.C.1.

UNIVERSITY OF GRENOBLE (FRANCE).

Holiday Classes,

July 1 to October 31.

In 1914 there were **657** Foreign
Students.

COMPLETE Practice in Reading
and Speaking (groups of 6), Lectures
on French Language and Literature,
Practice in Translation and French Com-
position (groups of 25).

Railway fares half price. Family
boarding-houses 200-400 frs. a month.

Excursions every week in the mountains
of Dauphiné, to the towns in the valley of
the Rhone, Winter Sports, and Mountain-
eering.

More detailed information sent free on
receipt of demand addressed to the

Comité de Patronage des
Étudiants Étrangers.

UPLANDS SUMMER MEETING.

July 31—August 16.

AT THE COUNTRY HOUSE,
WERNETH LOW, CHESHIRE.

Lectures and discussions dealing with "Current
Ideas for the Reforming of School Life" (including
the results of an inquiry into Open Air School work).

Practical Courses in Gardening and Farm Work,
Craftsmanship, Play Production, Regional Survey,
Eurhythmics.

Prof. J. J. FINDLAY (Manchester), Prof. J.
SHELLEY (Southampton), H. CALDWELL COOK
(Perse School), J. H. SIMPSON (Rugby), Miss E. C.
PUGH, and others.

Prospectus and full particulars from the SECRE-
TARY, 21 Broadlands Road, London, N. 6.

Educational Handwork Association.

President: The Right Hon. A. H. D. ACLAND.
Secretary: Mr. J. SPITTLE, 16 Cambridge Rd.,
Huddersfield.

Annual Subscription, 2/6. Journal post free to
Members.

SUMMER SCHOOLS.

HANDWORK at { Scarborough.
Falmouth.
St. Anne's-on-Sea.

PHYSICAL TRAINING
at Scarborough.

From JULY 28th to AUG. 23rd, 1919.

Director ... Mr. J. TIPPING.
Superintendent of Physical
Training ... Mr. H. A. COLE.

Preparation for all Exams.

Hostel accommodation.

Prospectuses and full information may be ob-
tained as follows:—

Scarborough School.—Mr. J. TIPPING, 35
Lower Rushton Road, Bradford.

Falmouth School.—Mr. C. SEAMAN, 38 Vic-
toria Park Avenue, Cardiff.

St. Anne's-on-Sea School.—Professor
J. A. GREEN, M.A., The University, Sheffield.

THE 1919 SUMMER SCHOOL IN SNOWDONIA

(first held in 1917) for Field Work in Geography,
Map making and Surveying, Botany, Geology, and
REGIONAL SURVEY

will meet from July 30th to August 13th, at Llanberis,
under the guidance of H. Valentine Davis, B.Sc.,
Senior Lecturer, Cheshire Training College (who,
for eight years, has conducted Field Work in Snow-
donia with students of the College) and under the
auspices of the Geographical Association.

Tuition fee 25 guineas. Mr. Davis will reserve
accommodation with full board at 2 guineas per
week if requested. As the size of the party is
limited by the practical nature of the work, bookings
will be accepted in order of receipt of fee.—
H. VALENTINE DAVIS, "Noddfa," Wistaston, Crewe.

DALCROZE EURHYTHMICS.

The SUMMER SCHOOL will be held at
OXFORD,

August 4th to 16th inclusive.

Prospectus on application to THE DALCROZE
SCHOOL OF EURHYTHMICS, Limited, 23 Store Street,
London, W.C.1.

SHORTHAND Holiday Courses AT SKEGNESS.

Teachers of

Dutton's Shorthand
will be required for the
New Continuation Schools.

Qualify now by taking a two, three, or
four weeks' Holiday Course at Dutton's
Business College, Skegness, open all the
year round. Giving three hours per day,
the complete theory of the system can be
acquired completely in two weeks.

Skegness is SO bracing.

It is an ideal Seaside Resort. Its attrac-
tions are many, including—(1) Bracing Air;
(2) Acres of Hard Sand, making it a Chil-
dren's Paradise; (3) Two fine 18-hole
Sporting Golf Courses open to Visitors;
(4) Lawn Tennis, Bowls, and Cricket;
(5) Sea Bathing; (6) Bands, Theatrical
Companies. First Class Concert Parties
and Picture Houses.

IMPROVE YOUR HEALTH

AND

INCREASE YOUR WEALTH
by taking a DUTTON SHORT-
HAND HOLIDAY COURSE.

Teachers unable to visit Skegness are in-
vited to write for details of the Free Postal
Course.

Send stamp for full details to—

Dutton's Business College,
Desk HC97, Skegness.

HOLIDAY COURSES.

INTERNATIONAL GUILD.
6 RUE DE LA SORBONNE, PARIS.

JULY. AUGUST. SEPTEMBER.

PHONETICS every day. Conver-
sation, Grammar, French History and
Literature.

For Prospectus, apply to the SECRETARY.

THE HAMILTONIAN SYSTEM.

A Short and Easy Method of Learning a Foreign Language by a close **INTERLINEAR TRANSLATION.**

LATIN.	Caesar, Books I-VI	4/8	FRENCH.	Gospel of St. John	2/6
	Gospel of St. John	2/6		French Verbs	1/6
	Eutropius	1/6		Little Jack	2/6
	Virgil, Aeneid, I-IV	3/6		Perrin's Fables	1/6
	Sallust, Catiline	2/-		Recueil Choisi	3/6
GREEK.	" Jugurtha	3/6	ITALIAN.	Télémaque, I-VI	3/6
	Cornelius Nepos	3/6		Notti Romane	3/6
	Selectae e Profanis Historiae, Vol. I ...	2/6		Gospel of St. John	2/6
	" " " " " " " " " " " " " " " "	3/6		Silvio Pellico	2/6
	" " " " " " " " " " " " " " " "	3/6	GERMAN.	Robinson der Jüngere, Text	2/6
SPANISH.	Gospel of St. John	3/-		" " " " " " " " " " " " " " " "	3/6
	Xenophon Memorabilia	3/-		Gospel of St. John	2/6
Prof. Schilling's Spanish Grammar (5th Edition), 3/6. Key, 2/-			Prof. G. Toscani's Italian Conversational Course ...		5/-
" " " " " " " " " " " " " " " "			" " " " " " " " " " " " " " " "		3/6
" " " " " " " " " " " " " " " "			" " " " " " " " " " " " " " " "		

Established
1884.

FRANCIS HODGSON, 89 Farringdon St., Ludgate Circus, E.C.4.

Telephone:
City 4871.

[Proprietor: F. HUGH VALLANCEY.]

SUMMER SCHOOLS, 1919.

See also pages 334, 335, 342, 344, 367.

THE ENGLISH FOLK DANCE SOCIETY.

The Summer School OF FOLK SONG and DANCE

WILL BE HELD AT

Stratford - on - Avon

FROM

JULY 26th to AUGUST 23rd.

For further particulars apply to—

THE SECRETARY,

73 Avenue Chambers, Vernon Place,
Bloomsbury, London, W.C.1.

ASSOCIATION FOR THE REFORM OF LATIN TEACHING.

PRESIDENT: DR. W. H. D. ROUSE, The Perse
School, Cambridge.

A SUMMER SCHOOL

will be held this year at

OXFORD,

FROM SEPTEMBER 2nd—9th (INCLUSIVE).

Demonstration Classes.

Oral and Phonetic Group Practice.

Latin Author Reading Classes.

Lectures (and Discussion) on
Method, Archaeological Aids, &c.

For fuller particulars apply to—

Mr. N. O. PARRY, 4 Church Street, Durham.

UNIVERSITY OF OXFORD. OXFORD, AUGUST 1-14.

Lectures, Classes, and Conferences on
The British Commonwealth,
Historical, Political, Economic, Social,
and Spiritual.

Amongst others who have consented to take part in the meeting are:—Viscount Milner, Lord Askwith, Lord Sinha, Bishop of Hereford, Bishop of Southwark, Sir Herbert Warren, Sir C. G. Wade, Hon. Sir A. Lawley, Sir W. W. Mackenzie, K.C., Principal Jacks, Principal Selbie, Prof. H. P. Allen, Prof. S. Image, Mr. J. H. Whitley, M.P., Dr. C. Addison, M.P., Mr. J. R. Clynes, M.P., Mr. J. H. Thomas, M.P., Mr. Percy Hurd, M.P., Mr. John Murray, M.P., Mr. J. A. R. Marriott, M.P., Sir Frank Benson, Dr. W. Temple, Mr. W. A. S. Hewins, Sir A. Yapp, Mr. D. G. Hogarth, Sir H. H. Johnston, Messrs. Herbert Baker, Hartley Withers, Horsburgh, Ashe King, Simms, Scholes, Bloor, Shaipr, Stride, Colville, Simpson, Gow, &c.

Tickets for the meeting, 21s. Extra fees for classes.

List of lodgings and colleges willing to receive students price 4d. post free from the Delegacy. A list of books for preliminary reading price 3d. Programme gratis on application and all other information from J. A. R. MARRIOTT, M.P., University Extension Office, Oxford.

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE.

A Summer Vacation Course for Students and Teachers of French

WILL BE HELD FROM

Wednesday, Aug. 6th, to Tuesday, Aug. 19th.

The course will include lectures in French Phonetics by Mr. Daniel Jones, lectures on Methods of Language Teaching by Mr. Harold Palmer, and ear training exercises and practical classes.

The fee for the course is £2. 2s.

Full prospectus and application form can be obtained from the undersigned.

WALTER W. SETON, M.A., D.Lit.,
University College London.
(Gower Street, W.C.1.) Secretary.

Society for the Study of Orthopsychics.

30 BRUNSWICK SQUARE, W.C.1.

A COURSE OF SIX LECTURES
will be given on "DREAM PSYCHOLOGY" between Whitsuntide and the end of June, on Tuesdays and Fridays, at 8 p.m., beginning on Friday, June 13th.

Fee for the Course. 25s. Single Lectures. 5s.

To members, fee for the Course. ... 15s. " " " " " " " " " " " " " " " "

Dr. James Glover will speak on June 11th at the Members' Quarterly Meeting of the above Society, Subject: "An Introduction to Psycho-Analysis." Non-members intending to take the course will receive a complimentary ticket for this meeting.

VACATION COURSES

IN

VOICE CULTURE FOR CHILDREN, by Mr. JAMES BATES.

VOICE CULTURE FOR ADULTS, by Mr. FILMER ROOK.

CLASS SINGING (with Practice Class), by Mr. JAMES GALLIE, Mus.B., and Mr. ARTHUR STORK.

SIGHT READING (both notations), by Mr. LEONARD C. VENABLES.

HARMONY, by Mr. GEO. OAKLEY, Mus.B.

EAR TRAINING and MUSICAL FORM AND EXPRESSION, by Mr. R. D. METCALFE, Mus.B.

Daily lessons from July 22nd to August 14th, 1919, at Earlham Hall, Forest Gate, E.7. For Prospectus apply to the Secretary of the Tonic Sol-fa College, 26 Bloomsbury Square, London, W.C.1.

KENT EDUCATION COMMITTEE. SUMMER SCHOOL FOR TEACHERS, FOLKESTONE.

August 25th to September 20th, 1919.

Principal: Mr. C. A. B. GARRETT, B.Sc.

Vice-Principal: Mr. F. H. KNOWLES.

Assisted by a Staff of highly qualified Teachers.

The following Courses have been arranged:—

Course A.—Kindergarten Handwork Occupations.

Course B.—Handwork for Junior Scholars.

Course C.—Handwork for Senior Scholars.

Course D.—Needlework.

Course E.—Art Subjects.

For full particulars as to fees, accommodation, &c., apply to Mr. C. A. B. GARRETT, Director for Further Education, Technical Institute, Folkestone.

E. SALTER DAVIES,
Director of Education.

OXFORD UNIVERSITY DELEGACY FOR THE TRAINING OF SECONDARY TEACHERS.

THE Oxford Summer School of
Education will be held between the dates of August 6th and September 2nd. In addition to Lectures on Educational Theory, there will be Lectures and Conferences on the teaching of History, Geography, Mathematics, Natural Science, Latin, French, and English. There will also be a discussion lesson daily. Among the Lecturers will be leading Head Masters and Head Mistresses and a number of distinguished Teachers.

Fees.—For lectures and conferences only, £1. 5s. per week.

For all lectures and classes, £2 per week, or £7. 10s. for the whole month.

Write for detailed syllabus and entry form to the SECRETARY, Secondary Training Delegacy, Old Clarendon Building, Broad Street, Oxford.

Summer Schools.

Continued from pp. 342 and 343.

UNIVERSITÉ DE TOULOUSE. Cours de Vacances de Bagnères de Bigorre (Hautes-Pyrénées).

DU 20 JUILLET AU 20 SEPTEMBRE, 1919.

Langue française (Phonétique, Vocabulaire, Grammaire, Orthographe, Conversation, Diction, Lecture et Traduction).

Littérature française.

La société française contemporaine.

Histoire de l'Art français.

Description de la région pyrénéenne et questions scientifiques.

Voyage à prix réduits sur les chemins de fer français.
Pension au Collège: 56 francs par semaine.

Musées. Bibliothèque.

Nombreuses Excursions dans les Pyrénées.

S'adresser pour tous renseignements à M. le PRINCIPAL du Collège de Bagnères de Bigorre (Hautes-Pyrénées).

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH. SUMMER SCHOOL, AUGUST, 1919.

THE ELEVENTH Annual Summer School will be held for three weeks from 28th July, 1919.

Instruction will be provided in the following subjects:—

GEOGRAPHY.

LIBRARY SERVICE (Cataloguing, Commercial and Technical Libraries, Archives, Palaeography, Diplomatic).

HISTORY and LITERATURE (British History, 1485-1800, the Political Development of Europe from 1789 to the present time, the Teaching of History).

RURAL SCIENCE (Agriculture, Agricultural Chemistry, Horticulture).

ARTS and CRAFTS (Jewellery and Enamelling, Hand Weaving, Book Binding, Clay Modelling, Wood Carving, Drawing for Schools).

EDUCATION (the special characteristics and problems of adolescence, schoolroom problems, modern educational thought and development).

EUGENICS.

SOCIAL ECONOMICS. (Some aspects of the Industrial Problem).

A special course of Lectures will be given by Sir Harry Jones, LL.D., Litt.D., F.B.A., of the University of Glasgow.

For further particulars and entrance form apply to the REGISTRAR of the College.

STRATFORD-ON-AVON SUMMER SCHOOL, JULY 30th TO AUGUST 30th.

Miss LAURA SMITHSON, L.R.A.M.
SEVENTH SEASON.

ELOCUTION, DRAMATIC and VOCAL TECHNIQUE, And ENGLISH PHONETICS.

Recommended by Sir FRANK BENSON,
Miss LILIAN BAYLIS, BEN GREET, Esq., WILLIAM POEL, Esq., &c.

All particulars from Miss LAURA SMITHSON,
109 Abbey Road Mansions,
St. John's Wood, N.W.8.
Or, The Union Club, Stratford-upon-Avon.

Physical Training.

Continued from pp. 335 and 339.

PORTLAND ROAD GYMNASIUM, London, W.—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHE, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, 32 Highcroft Gardens, Golder's Green, N.W. 4.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W.11. Tel.: PARK 3948.

H. C. JUNKER'S INSTITUTE OF SWEDISH (LING'S) EDUCATIONAL GYMNASIUMS, SILKEBORG, DENMARK.

Sanctioned by the Danish Board of Education.

THE FULL TRAINING

COURSE of Swedish Gymnastic (Theory and Practice), including Anatomy and Physiology (Hygiene), Psychology, Games, Dances, some Corrective and Remedial work, &c. (held in the English Language), for men and women, thoroughly equipping students of good education as teachers of Ling's System, commences on September 5th.

The Course extends over two years, but specially prepared students may complete the training in one year.

Fee: £90 per annum (£10 per month), including tuition, board and lodging. (No extras except laundry).

The Annual HOLIDAY COURSE will be held from July 31st to August 27th.

Fee: £10, including tuition, board and lodging.

Application Form and further particulars can be obtained from the PRINCIPAL.

H. G. JUNKER,
Late Assistant Inspector of Physical Education under the Danish Board of Education, late Special Instructor and Inspector to the Education Committee of the County Council of the West Riding of Yorkshire, England.

TO PRINCIPALS.

Have you carried out the new regulations by sending the name and address of your School to the Board of Education?

Have you entered your School to take part in the forthcoming Private Schools Exhibition?

TO ASSISTANTS.

Have you done your duty by becoming a registered teacher?

Principals and Assistants should become Members or Associates of

THE EDUCATIONAL BUREAU,

1 Sicilian House, London, W.C.1.

Principals may become Members, £1 1s. per annum.

Assistants may become Associates, 5/- per annum.

Reduced fees for all business transacted for Members and Associates.

Masters, Mistresses, Matrons, Transfers, Pupils. Write SECRETARY.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,

Intermediate Arts and B.A.,

Intermediate Science and

B.Sc. (Theoretical Subjects only).

L.L.A. (St. Andrews),

College of Preceptors' Diplomas.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

MRS. CURWEN'S PIANO- FORTE METHOD. EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

New TRAINING CLASSES for MUSIC TEACHERS, held weekly, will begin each Term at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

The British and Foreign Schools Agency,

62 King Street, Manchester.

PRINCIPAL: MRS. POYNTON.

1. **Scotland.**—Old-established Boarding School for Boys, good house. Sound connexion. Reason for selling, old age.

2. **East Coast.**—Old-established School for Boys (day) with few boarders. Separate school-rooms. Good house, best residential part, retiring with competency. Goodwill or capitation fee.

3. **Shropshire.**—Day and Boarding School (girls) by capitation. Sound, lucrative, small rent, good separate schoolrooms, cloakrooms, &c.

4. **Staffordshire.**—Flourishing Day School for immediate sale. Ill health reason.

5. **Mr. Liverpool.**—Good Day School, with preparatory for boys. Established by vendors 40 years ago. Cheap.

6. **Yorkshire.**—Boarding and Day School for Girls. In present hands 15 years. Principal may go South. 24 boarders and 20 day girls. Capitation fee.

7. **LANCS Coast.**—Old-established leading School, successfully carried on by present vendor 12 years. Established 30 years ago. About 50 day girls and 20 boarders at good fees.

Full particulars by request.

MISS LAURA SMITHSON,
L.R.A.M.: Elocution A., Summer School held at Stratford-on-Avon during Festival. Recommended by Sir Frank Benson, Miss Lilian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W. 8.

**SCHOOL
WORLD**

WANTED.—Parts
for MARCH, 1904 (Vol. 6).
MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C. 4.

STAMMERING.

A PHENOMENAL ADVANCE in
the Treatment of Stammering.

Particulars—
MR. J. H. MIALL,
Specialist Instructor at Christ's Hospital and other
public schools.
209 OXFORD STREET, W.1.

To Arts and Crafts Teachers.

HAND-LOOM WEAVING. By
LUTHER HOOPER. ("The Artistic Crafts Series.") Advertiser wishes to buy a second-hand copy of above book. Address—No. 10,790.*

LECTURES ON ART. Single or
in Series. London and the provincial
capitals. For prospectus and terms address—Miss
A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

EDUCATED GIRLS thoroughly
trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—
MISS IRONSIDE, Training Bureau, 50, Lincoln's Inn
Fields, W.C.2.

PRIVATE individual wanted,
willing put capital to develop practical Training
College for Girls of good social standing.—
Box No. 236, c/o STREET'S, 8 SERIE STREET, W.C.2.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO,
9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).
Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.
The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m. Appointments should be made when possible.

Telephone: Museum 3217. Telegrams: "Educatorio Grenville London."

MADEMOISELLE MARIE

POUJAUD will be very pleased to give CORRESPONDENCE LESSONS in FRENCH, or to correct letters written to her. Eight letters £1. Address—Villa de la Source, Tilières sur Avre (Eure), France. Reference: Miss INGHAM, Moira House, Eastbourne.

A FRENCH Lady wishes to arrange a seaside summer holiday in England, from the middle of July, for her thirteen-year-old son. She would like to hear of a good family willing to take him. Send full particulars to **MADAME LUCIEN BERNARD,** 85 rue Lafayette, Paris, 10e.

L. R.A.M. and A.R.C.M. Teaching
Singing Exams. Special Correspondence Course and personal Tuition for the above examinations. Complete preparation. This Course includes all the essentials of voice production and also hints on the classification and rendering of songs of all styles and periods. Write for particulars to—**MR. W. LEE WEBSTER,** L.R.A.M., A.R.C.M. (Teaching Singing), 22 Lucknow Avenue, Nottingham.

TYPEWRITING.

VICTORY TYPEWRITING,
SHORTHAND, COPYING, and TRANSLATION BUREAU. Educational, Legal, Medical, Commercial, and all MS. work. Orders, verbal or by post, receive immediate attention. Private room for use of customers.

17 Queen Victoria Street, London, E.C.4.
Telephone: CITY 3784.

GARDEN NETTING.

GOOD TANNED (Small Mesh) for Strawberry Beds, Fruit Trees, Tennis Boundary, &c. 1, 2, 3, 4, 6, and 8 yards wide.

100 yds. 1 yd., 12/6. Carriage Paid.

E. PARNALL & CO.,
Netting Works, Bedminster, Bristol.

MISS M. MURDOCH, L.L.A.,
Coaches by Correspondence in French, History, English Language, and Literature, and Comparative Religion for Cambridge and Oxford Locals and other examinations.—The Rectory, Little Stukeley, Huntingdon.

Sale or Transfer.

HIGH Class BOARDING AND DAY SCHOOL FOR GIRLS, with Kindergarten. Near London. 100 pupils. Full and in thoroughly good working order. Goodwill £1,000. Furniture at valuation. No agents. Address—No. 10,800.*

FOR TRANSFER. — LADIES' SCHOOL on South Coast. Long established, successful. 21 boarders, about 35 day pupils. Goodwill, half term's fees. Furniture at valuation. Apply—**ABC. J. & J. Paton,** 143 Cannon Street, E.C.4.

Medical Schools.

**LONDON (ROYAL FREE HOSPITAL)
SCHOOL OF MEDICINE FOR WOMEN.**
(UNIVERSITY OF LONDON.)

Hunter Street, Brunswick Square, W.C.1.

FULL COURSES are arranged for the London M.B., B.S. Degrees and the Examinations of other qualifying Bodies.

Clinical Instruction is given at the Royal Free Hospital, St. Mary's Hospital, Cancer Hospital and Elizabeth Garrett Anderson Hospital.

Appointments as House Physicians, House Surgeons, Obstetrical Assistants, Medical and Surgical Registrar, Medical Electricians, Anaesthetists, Clinical Assistants, Museum Curator, Demonstrators of Anatomy, Chemistry, Physiology, and Pathology are open to Students after qualification.

Arrangements and Bursaries for Dental Students. Scholarships, Bursaries, and Prizes are awarded annually.

Prospectus and full information can be obtained from the Warden and Secretary, Miss L. M. BROOKS.
LOUISA B. ALDRICH-BLAKE,
M.D., M.S., Dean.

Continental Schools

COLLÈGE DE CANNES, PRÈS NICE (ALPES MARITIMES), FRANCE.

A fine new building, with every modern comfort. Private rooms. Three months' course giving fluent knowledge of French to foreigners. £21. 8s. a term.

Death.

CREAK.—On the 20th May at Birmingham, suddenly, **EDITH ELIZABETH MARIA CREAK,** aged 63, First Head Mistress of King Edward's High School for Girls, Birmingham. Only daughter of the late **ALBERT CREAK, M.A.,** and sister of Major R. H. H. CREAK, 47 Temple Row, Birmingham.

Partnerships.

PRINCIPAL of Boarding and Day School (30 pupils) in Midlands requires **WORKING PARTNER.** Nominal capital. View to succession. Address—No. 10,807.*

PARTNER wanted in small, well-established, high-class School for Girls on S.W. Coast. Must be able to undertake Domestic side. Address—No. 10,819.*

PARTNERSHIP, with view to succession in September, offered.—Good class Girls' School near Dublin. Address—No. 10,823.*

Opening for Boarding House.

AN opening for a **BOARDING HOUSE** occurs in connexion with a Ladies' School, 30 miles from London. The School which is full has a good modern School Building and 27 years' reputation. Ladies must open on their own responsibility, but very favourable terms will be offered.—**HEAD MISTRESS,** Fosse Bank School, Tonbridge, Kent.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Posts Wanted.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holbein Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

FRENCH (teacher of), B.A. Large experience with English pupils. First-rate testimonials; refined education. Seeks any educational post in Great Britain.—R. DELAMARRE, 46 Boulevard Raspail, Paris 7, France.

YOUNG French Lady (University qualifications) seeks a post as a Teacher in a School, or Governness in a Family.—Mlle LE MAREC, 4 Rue Victor, Massé Lorient (Morbihan), France.

TWO Mistresses seek non-resident Posts in same school for September. (1) GYMNASIUMS and LOWER FORMS MISTRESS, trained Liverpool; Drawing, Needlework. (2) FRENCH, Hons. B.A. London; English, Latin, German. Address—No. 10,793.*

ADVERTISER and Sister (19 and 17), daughters of College Professor and High School Directress, wishing to spend two months in England to improve their knowledge of the English language, would EXCHANGE HOMES with two young ladies, or lads between 12 and 16. References given and required. Address—Mlle L. FOURNON, Ecole supérieure de jeunes filles, Mende, Lozère, France.

DAME française, instruite, bonne prononciation, désire situation au pair dans institution, Londres ou ville Sud Angletère, pour époque rentrée. Ecrire—Mlle VAUDREY D'ILLIERS, 20 Avenue de Tourville, Paris, 7e.

EXPERIENCED MISTRESS (registered) requires position in good-class School for September. English, German, French. Excellent results in public examinations. Eight years in present post.—Miss HUMR, Royal School, Armagh, Ireland.

WANTED, for September, re-engagement as HOUSEKEEPER or HOUSE MISTRESS. Good manager. Experienced with numbers. Salary £80. Address—No. 10,797.*

ENGLISH MISTRESS, Geography Specialist, experienced in Boys' and Girls' Schools, requires post in September as SENIOR ASSISTANT in co-educational, or as Geography Specialist in good public school. Subsidiary subjects, good French, English, and History. Address—No. 10,798.*

MUSIC MISTRESS, L.R.A.M., requires post in School in or near London. Pianoforte, Harmony, Class and Solo Singing. Five years' experience. Excellent testimonials. Successes in all Associated Board Examinations and preparation for L.R.A.M. Examinations. Address—No. 10,801.*

SECONDARY School Mistress, registered, well qualified and experienced in commercial work, desires post as SCHOOL SECRETARY or COMMERCIAL MISTRESS. Northumberland or Durham preferred. Address—No. 10,802.*

GENTLEWOMAN requires post as LADY SUPERINTENDENT of high-class School Boarding House or Hostel. Thoroughly experienced in Household Management, control of a staff of servants, and in the care of girls, and the supervision of health. Excellent testimonials. Address—No. 10,804.*

A POST is required by a gentlewoman to take charge of a JUNIOR HOUSE in connexion with a good School, or to act as LADY MATRON in Private School. Highest qualifications. Excellent references. Address—No. 10,805.*

Posts Wanted—continued.

ART MISTRESS, Associate of British Water Colour Society, Art Masters' Certificate South Kensington, Artist Teachers' Royal Drawing Society, wide experience of teaching, seeks post in Public School for September. Address—No. 10,806.*

TWO MISTRESSES seek posts in same School for September. (1) Mathematics, 13 years' experience; Arithmetic, Algebra, and Geometry to London Matriculation and Senior Locals standard, also French Grammar and English History to latter standard. (2) English, 15 years' experience, usual English subjects to Junior Local standard. Address—No. 10,808.*

EXPERIENCED University woman requires responsible position in good-class School for September. Preparation for exams. most successful. Chief subject: Maths. and Science. Excellent testimonials and references. Address—No. 10,809.*

WANTED by fully qualified and experienced MISTRESS, holding Diplomas in Domestic subjects (Cookery, Laundry Work, Housewifery, Needlework, Dressmaking, Hygiene, Physiology, Sick Nursing), post in or near London. Salary £100 resident or £170 non-resident. Address—No. 10,810.*

JEUNE fille française désire place dans famille ou pensionnat pour enseigner français. Ecrire—Mlle BOUDRY, 5 rue Alex. Legros, Fecamp, Seine-Inférieure, France.

WANTED, in September, post as JUNIOR FORM MISTRESS, in Public Secondary School, or good Private School.—M. A. DAVEY, 248 Ditchling Road, Brighton.

ART MISTRESS requires post. Well qualified; experienced. Drawing, Painting, Wood Carving, Art Needlework. Preparation for all Art Examinations, including Ablett's, Cambridge Locals, &c. Address—ART, 14 Albert Street, Shrewsbury.

FULLY trained FRENCH MIS-TRESS (Direct Method) requires post for September in good Boys' or Girls' School. Experienced: four years in same School. Prepares for examinations. Testimonials: references. Address—No. 10,813.*

CLASSICS, Divinity, and English.—COACHING LESSONS or VISITING TEACHING given by Miss BIGGS, M.A., S.Th. Classical Tripos. Address—122 Queen's Road, Wimbledon.

POST of VISITING ART MIS-TRESS wanted June or September by fully qualified Teacher R.D.S. (Ablett). Good Secondary School experience. Drawing, Painting, Design, Pen and Ink.—Miss WILMOT, 5 Carlyle Studios, King's Road, Chelsea, S.W.3.

TEMPORARY MISTRESS, dis-engaged now. Trained Maria Grey. First class Cambridge Diploma. Wide experience (including some Kindergarten). Form subjects, French, Geography, Class Singing. Address—Miss BOLLAND, Bolenna, Perrenporth, Cornwall.

EXPERIENCED CERTIFI-CATED TEACHER seeks post in School or Family for September. Usual English subjects. French and German acquired abroad. Elementary Music. Excellent references. Address—No. 10,814.*

HEAD MISTRESS requires post, September, as JUNIOR MUSIC MISTRESS (Pianoforte) in good School for girl of nineteen: promising teacher with good qualifications. A Churchwoman. Address—No. 10,815.*

YOUNG French Lady, ten years' teaching experience in French Public Schools, who has taught French also to many English ladies and gentlemen, desires a post during August in good English family to teach French; or, alternatively, to be a paying guest in an English teacher's family during the month. Write to—Mlle PERROUCEL, 124 rue Sébastien Gryphe, Lyon, France.

HOSPITAL TRAINED NURSE seeks school re-engagement. Three years' reference as Matron. Age 28. Warmly recommended.—1,215 N. HOOPER'S (Educational Agents), Ltd., 13 Regent St., London, S.W.1. Established 1881.

Posts Wanted—continued.

AS HOUSE MISTRESS MATRON.—Hospital trained (certificated). Excellent references. Efficient in every way. Supervises staff, Cooking, Needlework.—1,220 M. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Others. List gratis if requirements stated Established 1881.

HEAD MISTRESS recommends very capable MATRON. Excellent disciplinarian: good organizer. Three years' references. Physicians in attendance write: "Every confidence in recommending her."—2,007 M. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Many others disengaged. Established 1881.

HEAD MASTER warmly recommends experienced, active, and capable HOUSEKEEPER MATRON. Clergyman's widow. Thoroughly understands boys, care of health. Good caterer. Charge of linen.—1,208 N. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Many others disengaged. Established 1881.

B.A.LOND. (daughter of M.P.) seeks September re-engagement, resident or non-resident. English, Mathematics, Botany, Latin, French.—1,660 E. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881. Heads of Schools and Colleges invited to make known early their requirements for September.

PRINCIPAL warmly recommends Parisian lady Diplômée à l'Université, "simply excellent" for lecturing, coaching for Examinations. 27 years' English School experience.—8,023 F. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Many others disengaged. Lists gratis. Heads of Schools invited to make known their requirements for September early. Established 1881. Schools recommended and transferred.

CLEVER young FRENCH MIS-TRESS. Baccalauréat Philosophie, Université Bordeaux. Officer's daughter, speaks English. Nature-study, Kindergarten, Music, Needlework.—8,024 F. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Many others seeking first engagements in English Schools. Particulars gratis in return for detailed statements of requirements. Established 1881.

CLERGYMAN'S daughter, tall, good appearance, seeks engagement in School as SECRETARY. Good clerical training, Short-hand (100), Typewriting (45), Figures, some Book-keeping. Games—Tennis, Netball, Cricket, Swimming. Slight knowledge of Girl Guide movement.—939 E. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.

HOLIDAY ENGAGEMENTS required by highly qualified Tutors and Governesses, English and foreign, with and without salaries. Parents requiring holiday Tutors and Companions are invited to make known their requirements early to HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. No booking fees.

FRENCH PROFESSOR, Graduate, seeks non-resident post. Highly qualified, recommended as "A gentleman, courteous, reliable, enthusiastic, a sound and painstaking teacher, good disciplinarian, takes a keen personal interest in his work." Five years' experience in English Public Schools. Can render assistance with certain of the English subjects in Lower Forms.—985 D. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881.

SECRETARY (lady) disengaged September. Six years' experience—(1) in a Women's College, (2) in a Private School. Address—No. 10,816.*

LADY, University Graduate, formerly partner of good school, desires CHARGE OF A HOUSE in connexion with Girls' School. Address—No. 10,822.*

YOUNG lady desires post as MUSIC STUDENT in Girls' Boarding School next September. Would oversee Needlework in lower forms if required. Highest references. North of England preferred. Address—No. 10,827.*

BOYS' MISTRESS desires post with view to partnership in high-class Boys' Preparatory Day School or would like to hear of lady willing to be partner in starting such a school in suitable town. 10 years' experience in good Boys' Schools. English, Mathematics, History, Scripture. Address—No. 10,828.*

Posts Vacant.

AUSTRALIA

Teachers' Central Registry:
Twyford House, 17 Castlereagh Street,
SYDNEY.

(Under the direction of a Committee appointed by the Teachers' Guild of N.S. Wales).

MEN and Women Teachers, especially resident ASSISTANT SCHOOL MASTERS and SCHOOL MISTRESSES, who would like to secure posts in Australasia, should write to the above address, stating qualifications and experience, and enclosing copies of testimonials with a view to obtaining posts when passage to AUSTRALIA is permitted.

Particulars on application to—

Miss GARRAN, Registrar.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1.

DORKING HIGH SCHOOL
FOR GIRLS.—Good opening for BOARDING HOUSE for boarders. Experienced lady with some capital. All particulars from HEAD MISTRESS.

THE BISHOP STRACHAN
SCHOOL, TORONTO, CANADA.—Wanted, in September:—

(1) HISTORY MISTRESS, to be responsible for organization of History teaching. Salary £130 residence.

(2) FRENCH MISTRESS, to teach up to University entrance. Salary £130 residence. Degree or equivalent and experience essential. Apply—HEAD MISTRESS. Passage paid on a two years' agreement.

HOWELLS GLAMORGAN
COUNTY SCHOOL FOR GIRLS, LLAN-DAFF, CARDIFF.

Applications are invited for the post of HEAD MISTRESS of the above-named Secondary School. Present number of scholars: Boarders 95, day scholars 160. Applicants must not be more than 40 years of age and be Graduates of a University of the United Kingdom, or have equivalent qualification. Salary £450, with board, residence, and laundry. Stamped addressed foolscap envelope for form of application (which must be returned not later than June 7th) should be sent to ARTHUR WALDRON, Clerk to the Governors, 17 Church Street, Cardiff.

COUNTY BOROUGH OF WEST
HARTLEPOOL.

MUNICIPAL HIGH SCHOOL FOR GIRLS.

Head Mistress: Miss M. AULD, M.A.

Required, in September, a GEOGRAPHY SPECIALIST, Salary (scale under consideration) according to qualifications. Apply, stating full particulars, to the HEAD MISTRESS.

J. G. TAYLOR, Secretary.
Education Offices, West Hartlepool.

COUNTY BOROUGH OF WEST
HARTLEPOOL.

MUNICIPAL HIGH SCHOOL FOR GIRLS.

Head Mistress: Miss M. AULD, M.A.

Required, in September, a MISTRESS for Classics and a subsidiary subject. Salary (scale under consideration) according to qualifications. Apply, stating full particulars, to the HEAD MISTRESS.

J. G. TAYLOR, Secretary.

BRIDLINGTON HIGH SCHOOL
FOR GIRLS.—Wanted, in September:—

(1) MODERN LANGUAGE MISTRESS (French chief subject).

(2) MATHEMATICS AND SCIENCE (Chemistry).

(3) JUNIOR FORM MISTRESS. Good Arithmetic a recommendation.

(4) KINDERGARTEN MISTRESS. Initial salaries from £140, according to qualifications and experience. Apply—HEAD MISTRESS.

Posts Vacant—continued.

KENT EDUCATION
COMMITTEE.

COUNTY SCHOOL FOR GIRLS,
TONBRIDGE.

Required, in September, the following ASSISTANT MISTRESSES:—

(1) Physics and Mathematics.

(2) General Form Work.

(3) French.

Initial salary, in each case, £130 to £180, according to qualifications, together with an allowance for approved experience and training up to £100, and rising to a maximum of not less than £220 and not more than £350, according to the Committee's scale.

Forms of application and further particulars may be obtained from Mr. T. Newsome, Technical Institute, Tonbridge, and should be returned to the Head Mistress, County School for Girls, Tonbridge, as soon as possible.

19th May, 1919. E. SALTER DAVIES,
Director of Education.

KENT EDUCATION
COMMITTEE.

COUNTY SCHOOL FOR BOYS, RAMSGATE.
Required, in September, the following ASSISTANT MASTERS:—

(1) To take Physics to University Scholarships standard.

(2) To take entire charge of Form I.

(3) ASSISTANT FRENCH MASTER.

(4) ASSISTANT CLASSICAL MASTER.

(5) GENERAL SUBJECTS MASTER.

Candidates should state subsidiary subjects. Ability to help in School Games a recommendation.

Initial salary in each case £140 to £220, according to qualifications, together with an allowance for approved experience and training up to £115, and rising to a maximum of not less than £250 and not more than £420, according to the Committee's scale.

Forms of application and further particulars may be obtained from Mr. C. W. LEGGETT, 5 Clarendon Gardens, Ramsgate, and should be returned to the Head Master, County School for Boys, Ramsgate, not later than June 16th.

16th May, 1919. E. SALTER DAVIES,
Director of Education.

COUNTY HIGH SCHOOL FOR
GIRLS, WALTHAMSTOW.

Head Mistress: Miss B. HEWETT, B.Sc.

Wanted, in September:—

(1) A FIRST FORM MISTRESS, with N.F.U. Higher Certificate.

(2) A FORM MISTRESS for the Middle School to teach good English and some subsidiary subjects.

Good qualifications, training, and some experience in a Secondary School essential. Salary according to the Essex County Scale. Apply for forms to R. DEMPSEY, Clerk to the Governors, 1 Selborne Road, Walthamstow, E.17.

THE College Committee will shortly
proceed to appoint a SENIOR ASSISTANT in the Department of French Language and Literature. Initial salary £300. Full particulars may be obtained from the undersigned.

WALTER W. SETON, M.A., D.Lit.,
University College, London, Secretary.
Gower Street, W.C.1.

ST. LEONARDS SCHOOL,
ST. ANDREWS, FIFE.

Wanted in September:—

(1) A SENIOR MATHEMATICAL MISTRESS with good experience, Cambridge Tripos if possible. Initial salary £250, non-resident, rising by fixed increments to £300.

(2) A SENIOR GYMNASIACS AND GAMES MISTRESS. Osterberg or Bedford College qualifications and good experience essential. Salary not less than £200, non-resident, rising by fixed increments to £250.

Further particulars on application to the HEAD MISTRESS.

LEAMINGTON SECONDARY
SCHOOL FOR GIRLS.—Required in Sep-

tember, a SCIENCE MISTRESS to teach Botany, Elementary Chemistry, and Physics. Degree and experience essential. Commencing salary from £160 to £200, according to qualifications and experience. Apply, giving full particulars and enclosing copies of three testimonials, to the DIRECTOR OF EDUCATION, Avenue Road, Leamington. Applications must be endorsed "Science Mistress."

KING EDWARD'S SCHOOL,
NEW STREET, BIRMINGHAM.—Wanted,

in September, a MISTRESS for Botany and Natural History, with subsidiary Mathematics or general Elementary Science. Experience essential. Minimum salary, £200, rising by £10 to £340. Apply to the HEAD MISTRESS.

Posts Vacant—continued.

HANTS COUNTY COUNCIL.
EDUCATION COMMITTEE.

ITCHEN SECONDARY SCHOOL AND PUPIL
TEACHER CENTRE.

A HEAD MASTER will be appointed shortly for September, having good degree and Engineering experience. Salary £500, rising by £25 to £750. Application form on receipt of stamped addressed envelope, to be returned by 31st May to—

D. T. COWAN,
The Castle, Winchester. Director of Education.

HANTS COUNTY COUNCIL.
EDUCATION COMMITTEE.

WINCHESTER COUNTY SCHOOL FOR GIRLS.

Wanted, next September, SCIENCE MISTRESS, Botany, elementary Chemistry, and Physics. Able to assist with School Games. Salary to Graduate, £150, and allowance for previous experience under the scale. Application forms on receipt of stamped addressed foolscap envelope, to be returned before 21st June, 1919, to D. T. COWAN, Director of Education, The Castle, Winchester.

ST. GEORGE'S SCHOOL FOR
GIRLS (INCORPORATED), GARSJURE TERRACE,
EDINBURGH, W.—Wanted, in October, a MISTRESS for Preparatory Department. Qualifications required:

Higher Certificate National Froebel Union, some experience, specialized knowledge of Handwork, and ability to share in the training of students. Initial salary £140 to £160.—Apply at once to the HEAD MISTRESS.

TRURO HIGH SCHOOL.—

Wanted, in September, an ENGLISH MISTRESS, to teach English in the Upper Forms up to scholarship standard. English honours Degree essential. Candidates for the post must be members of the Church of England. Initial salary, £150 to £180, according to experience, rising to £250. Apply to the HEAD MISTRESS.

LINCOLN GIRLS' HIGH

SCHOOL.—Wanted, for September, MISTRESS with Honours degree (preferably Cambridge or London), to take some Physics and sole charge of Middle School Chemistry, and possibly of Advanced Chemistry. Salary according to experience and qualifications. Applications, with testimonials, to the HEAD MISTRESS.

CITY OF SHEFFIELD EDUCATION
COMMITTEE.

CENTRAL SECONDARY GIRLS' SCHOOL.

Head Mistress: Miss F. M. COUZENS, B.A. (Lond.).

Wanted, in September, GYMNASIAC AND GAMES MISTRESS. Experience essential. Dartford training preferred. Initial salary, £150 to £180 non-resident. A war allowance of at least £20 per annum is guaranteed until 21st October, 1920. Apply to the HEAD MISTRESS.

19th May, 1919. H. S. NEWTON,
Secretary.

DARLINGTON EDUCATION
COMMITTEE.

HIGH SCHOOL FOR GIRLS.

MISS ELEANOR TROTTER, M.A.

Required, in September, SECOND FRENCH MISTRESS. Salary according to qualifications and experience. Minimum, £200 per annum.

Application to be made on forms which may be obtained from the undersigned, and must be completed and returned before the 6th June.

A. G. BOYDE,
Director of Education and Secretary.
Education Office, Darlington,
May, 1919.

TUNBRIDGE WELLS HIGH

SCHOOL.—Wanted, in September, a LOWER FORM MISTRESS, to take also Geography and do some secretarial work. Salary according to qualifications. Apply to the HEAD MISTRESS.

CHANNING HOUSE SCHOOL,
SCHOOL, HIGHGATE, LONDON, N.6.—

Wanted, in September, three RESIDENT MISTRESSES.

(1) Science Graduate for Physics and Mathematics.

Salary £70, rising to £80 in two years.

(2) A Mistress to teach Middle Forms. English,

Arithmetic, Elementary Mathematics. Salary £60.

(3) Kindergarten Mistress (Higher Froebel) for

Forms I and II. Salary £60.

Apply, stating age, experience, and qualifications

to the HEAD MISTRESS.

BEDFORD GIRLS' MODERN
SCHOOL.—Wanted, in September, MIS-

TRESS for Middle School. Good French, English, Arithmetic. Degree or equivalent. Salary from £150. Apply to the HEAD MISTRESS.

Posts Vacant—continued.**UNIVERSITY OF BRISTOL.**

THE University will shortly proceed to the appointment of PROFESSORS OF EDUCATION, ENGLISH, MATHEMATICS, PHYSIOLOGY.

Stipend in each case, £800 a year. Particulars from the REGISTRAR, to whom applications, testimonials, and references should be sent by June 16th.

FROEBEL TRAINING COLLEGE, BEDFORD.—Required, in September, (1) COLLEGE LECTURER (Graduate), for Mathematics and Geography and Nature Study. (2) Trained and experienced MISTRESS for Branch Kindergarten. Apply—Miss AMY WALMSLEY, Training College, Bedford.

THE GIRLS' SCHOOL CO., LTD.

ST. BRIDE'S SCHOOL, HELENSBURGH, DUMBARTONSHIRE.

Required in September, thoroughly competent CLASSICAL MISTRESS. Preparation of pupils for English and Scottish Universities. Good degree (or equivalent) essential. Form duties. Salary scale £160, rising to at least £220, non-resident. Initial salary according to qualifications. Concession on long distance railway fare at holiday times. Apply to the HEAD MISTRESS.

REQUIRED, in September, at The Laurels, Rugby.—(1) MATHEMATICAL MISTRESS. (2) SCIENCE MISTRESS (Botany and Zoology). University degree or equivalent essential. Experience desirable. Salary in each case £95 to £110 resident, according to qualifications and experience. Apply to Miss DEWAR, The Laurels, Rugby.

BOROUGH ROAD TRAINING COLLEGE, ISLEWORTH.—Wanted, on August 1st, a MATRON between 25 and 40 years of age, at a salary of £80, rising by £5 a year to £100 per annum, with board and lodging. Forms of application, with particulars, may be obtained from W. PRYDDERGH WILLIAMS, Esq., British and Foreign School Society, 114 Temple Chambers, Temple Avenue, London, E.C.4.

Posts Vacant—continued.**COUNTY BOROUGH OF WEST HAM.**

MUNICIPAL CENTRAL SECONDARY SCHOOL (CO-EDUCATIONAL), TENNYSON ROAD, STRATFORD, E.15.

TEACHER OF CLASSICS required, to take post in September next. Good classical degree and experience essential. The teacher appointed will act as Form Teacher. Initial salary from £180 to £250, according to qualifications and experience, rising by £10 per annum in the case of men to £400, and in the case of women to £300. Subsidiary subjects should be stated.

FORM TEACHER required, with History and Geography as principal subjects, to take post in September next, or earlier if possible. Graduate with good experience. Subsidiary subjects should be stated. Ability to take Class Singing a recommendation. Initial salary £150 to £190, according to experience, with annual increments of £10 to a maximum of £300.

Forms of application may be obtained from the undersigned, 95 The Grove, Stratford, London, E.15, and should be returned as soon as possible.

GEORGE E. HILLEARY,

Education Offices, Town Clerk.
95 The Grove, Stratford, E.15.
9th May, 1919.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen.
MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work. — M. GLENISTER,
3 Friern Park, N. Finchley, N.12.

WANTED, September, FORM MISTRESS, girls eleven to twelve. Games, Drill, Junior Latin, or Mathematics a recommendation. State qualifications and experience. Resident preferred. Day School. Wiston's, Dyke Road, Brighton.

SEPTEMBER.—Two FORM MISTRESSES, Upper and Lower III, with special subjects Botany, History, Mathematics to Senior Cambridge standard. Inter. Arts or Higher Local sufficient qualification. Apply—Wellington College, Hastings (Private Day School for Girls, with accommodation for Staff).

Posts Vacant—continued.**WEST RIDING COUNTY COUNCIL.**

PHYSICAL TRAINING IN ELEMENTARY SCHOOLS.

The West Riding Education Committee are prepared to receive, from qualified women, applications for appointment as **Organiser of Physical Training** in elementary schools.

Salary £180, rising to £250 a year by annual increments of £10; some allowance may be made for previous service.

Applicants should have taken a complete course of training in the Swedish system, and had previous teaching experience.

Particulars of duties and conditions of appointment, together with application forms, which must be returned duly completed not later than Monday, June 16th, 1919, may be obtained from the EDUCATION DEPARTMENT, County Hall, Wakefield.

SHROPSHIRE EDUCATION COMMITTEE.

HIGH SCHOOL FOR GIRLS, OSWESTRY.

Wanted, in September, a **FORM MISTRESS** (trained Graduate), thoroughly competent to teach Mathematics to Matriculation stage. Experience essential.

Also **FORM MISTRESS (Graduate)** to teach Botany to Matriculation stage. Subsidiary subject. Junior School Mathematics. Salary scale £150 to £330. Initial salary according to experience. Apply — HEAD MISTRESS.

DRAKE & TONSON'S (GIRLS' GRAMMAR) SCHOOL, KEIGHLEY.—Wanted, in September: (1) SCIENCE MISTRESS for Chemistry and Physics up to Advanced Course standard. Degree or equivalent and experience essential; training desirable. (2) TWO MATHEMATICAL MISTRESSES. Degree or equivalent essential; training or experience desirable.

(1) and (2) Graduate scale. Initial trained, £170; untrained, £150, rising by £10 per annum to £330. Allowance for experience up to ten years. Apply to the HEAD MISTRESS.

These advertisements are continued on pages 395-403.

GEORGE GILL & SONS, Ltd.

13 WARWICK LANE, LONDON, E.C.4.

THE OXFORD AND CAMBRIDGE EDITION.**RELIGIOUS KNOWLEDGE**

The books of the Old and New Testaments edited by the Reverend F. MARSHALL, M.A., containing **Maps, Marginal and Foot Notes** with **Text**.

ENGLISH

The chief feature of this series include **Marginal and Foot Notes** with the **Text**. Supplementary Notes and Glossary of uncommon words.

THE JUNIOR GEOGRAPHY

1s. 6d.

Comprising interesting reading matter, Definitions, 63 Maps and Illustrations. Questions covering the general subject matter at the end of each section.

THE COMMERCIAL ARITHMETIC

9d.

Being a concise handbook for preparation of the Arithmetic necessary in business.

THE STUDENTS' WORD BOOK

6d.

A comprehensive and classified arrangement which excites the curiosity and creates a live interest in the subject.

GODS AND HEROES

1s. 3d.

This Reader gives a splendid initiation into the mysteries of Greek Mythology. Fully illustrated.

HISTORICAL ATLAS OF EUROPE

1s. 6d.

From the time of Diocletian to the outbreak of the Great War, 1914. With 36 Coloured Maps.

LA GUERRE. Vol. 2

1s. 3d.

A further selection of **leading articles** on the **Great War** taken from French newspapers, and arranged as a book of French unprepared translation.

Catalogue and Specimen Pages post free upon application.

SCHOLASTIC APPOINTMENTS

University Men and Women seeking scholastic appointments should apply to

Truman & Knightley **SCHOLASTIC AGENTS LTD**

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions pleasant, and the holidays are long. Salaries range from £50 to £100 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student, Junior Mistresses, and House Governesses or Duty Mistresses at salaries of from £30 to £50 per annum with board and residence.

There is a separate department for
LADY MATRONS and HOUSEKEEPERS
for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices : 158-162 OXFORD ST., LONDON, W.1

Telegrams : "TUTORESS, PHONE, LONDON."

Telephone : MUSEUM 1136.

CLASS BOOKS FOR SECONDARY SCHOOLS

PUBLISHED AT THE

University Tutorial Press.

MATHEMATICS AND MECHANICS.

Algebra, Junior. By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. **3s. 6d.** With Answers, **4s.**
"Maintains the high standard of excellence we are accustomed to expect from so well known a source. The treatment of the graphic portion is particularly good."—*Journal of the Assistant Masters' Association.*

Algebra, School. By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **7s.**
"The author has brought the work into closer touch with intelligible calculations, and, at the same time, gives a clear account of the elements of algebraic theory."—*Schoolmaster.*

Algebra, School (Matriculation Edition). By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **5s. 6d.**
"As a school text-book, this volume has much to recommend it, the examples and test-papers being carefully chosen."—*Mathematical Gazette.*

Arithmetic, Preliminary. By AUGUSTUS BARRACLOUGH, M.A., Second Master at Bournemouth School. **2s.** With Answers, **2s. 3d.**
"An excellent course of Arithmetic."—*Journal of the Assistant Masters' Association.*

Arithmetic, The Junior. By R. H. CHOPE, B.A. With or without Answers. **Third Edition. 3s. 6d.**
"No better Arithmetic for school work has come into our hands."—*Educational News.*

Arithmetic, The School (Senior Local Edition). By W. P. WORKMAN, M.A., B.Sc. This edition of the *School Arithmetic* covers the Senior Local Syllabus, and is amplified by a large selection of examples arranged in Graduated Examination Papers. **4s.**
"The book is of a very high order of merit, and provides a thorough course in Arithmetic."—*School World.*

Arithmetic, Rural. By A. G. RUSTON, B.A., B.Sc. **4s. 6d.**
"We believe the book will be found just what is required in schools of agriculture."—*Secondary Education.*

Book-keeping, Practical Lessons In. By T. C. JACKSON, B.A., LL.B. **Fourth Edition. 4s. 6d.** Also in Two Parts. Part I. **2s. 9d.** Part II. **2s. 9d.**
"A well-arranged and well-explained treatise."—*Educational Times.*

Geometry, Preliminary. By F. ROSENBERG, M.A., B.Sc. With or without Answers. **2s. 9d.**

"A book for beginners containing a judicious blending of practical and theoretical work. Insists throughout on reasoning from first principles. The book is certainly one to be recommended."—*Preparatory Schools Review.*

Geometry, Junior. By A. G. CRACKNELL, M.A., B.Sc. **3s. 6d.**
"A simple treatment of the elements of geometry. A feature of the book is the number of questions which require a numerical answer, incorrect and careless work being thereby easily checked."—*Schoolmaster.*

Geometry, The School. By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. **4s. 6d.**
Also in Two Parts—Part I (Euclid I, III 1-34, IV 1-9). **2s. 9d.** Part II (Euclid II, III 35-37, IV 10-16, and VI). **2s. 9d.**
"Combines the theoretical and practical in a most interesting manner, and shows on every page the skill and care with which the material has been put together."—*School World.*

Graphs, Matriculation. By C. H. FRENCH, M.A., and GEORGE OSBORN, M.A. **1s. 6d.**
"The explanations are remarkably clear."—*Secondary Education.*

Hydrostatics, Matriculation. By Dr. WM. BRIGGS and Professor G. H. BRYAN. **Second Edition. 2s. 9d.**
"The diagrams and illustrations are all very practical."—*Schoolmaster.*

Mathematics for Technical Students, A First Course In. By P. J. HALER, B.Sc., A.M.I.Mech.E., A.I.E.E., and A. H. STUART, B.Sc., F.R.A.S. **2s.**
"The authors have succeeded in creating a 'workshop atmosphere' around this elementary course."—*Nature.*

Mechanics, Junior. By F. ROSENBERG, M.A., B.Sc. **3s. 6d.**
Mechanics, Matriculation. By Dr. WM. BRIGGS and Professor G. H. BRYAN. **Third Edition. 4s. 6d.**
"A practical book for this subject. It will be found exceedingly useful."—*Educational News.*

"Affords beginners a thorough grounding in Dynamics and Statics."—*Knowledge.*

CHEMISTRY, PHYSICS, BOTANY, &c.

Botany, Junior. By FRANCIS CAVERS, D.Sc. **3s. 6d.**
"Dr. Cavers has achieved a useful little book."—*Journal of Botany.*
"A very excellent volume. Practical to a high degree. The diagrams are very good."—*Schoolmaster.*

Botany, Senior. By FRANCIS CAVERS, D.Sc. **5s. 6d.**
"Admirably designed to portray the plant as a living entity, to indicate how structure is subservient to function, and to show what conditions and purpose underlie the manifold variations which plants assume."—*Nature.*

Chemistry, Preliminary. By H. W. BAUSOR, M.A. **2s.**
"A clearly described and interesting course of Preliminary Chemistry for use in the lowest forms of schools."—*Education.*
"Nothing is taken for granted, everything is carefully and simply explained."—*School Guardian.*

Chemistry, Junior. By R. H. ADIE, M.A., B.Sc. **Second Edition. 3s. 6d.**
"A useful and practical course, constructed on thoroughly scientific principles."—*Oxford Magazine.*

Chemistry, Senior. By G. H. BAILEY, D.Sc., Ph.D., and H. W. BAUSOR, M.A. **Second Edition. 5s. 6d.**
"The ground is well covered on experimental lines. There are questions to every chapter and a section on chemical calculations."—*Guardian.*

Chemistry, Senior Practical. By H. W. BAUSOR, M.A. **3s. 6d.** Including preparations, experiments on action of heat, quantitative and qualitative analysis.

Chemical Calculations. By H. W. BAUSOR, M.A. **2s. 9d.**
ADVANCED COURSE. 1s. 6d.
"The calculations which are inseparable from Chemistry from its very beginnings are dealt with concisely, yet at sufficient length to make them clear to a young student."—*Knowledge.*

Heat, Junior. By JOHN SATTERLY, D.Sc., M.A. **2s. 9d.**
"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal.*

Heat, Senior. By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. **4s.**
"The information is accurate and up to date."—*The Journal of Education.*

Hygiene, First Stage. By R. A. LYSTER, M.D., B.Ch., B.Sc. **Sixth Edition, Revised and Enlarged. 3s. 6d.**
"A continuous and well-developed course of instruction in Hygiene. The facts are always reliable, the illustrations serviceable."—*Schoolmaster.*

Magnetism and Electricity, Junior. By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**
"This little book makes a special point of fundamental principles, and is especially adapted to the needs of pupils making a start in the subject."—*Educational Times.*

Magnetism and Electricity, The School. By R. H. JUDE, D.Sc., M.A. **4s. 6d.**
"From first to last there is an originality of treatment which makes it interesting reading."—*Nature.*

Mechanics and Physics (Mechanics, Hydrostatics, and Heat), An Introductory Course of. By W. M. HOOTON, M.A., M.Sc., F.I.C., and ALFRED MATHIAS. **2s.**
"An excellent introduction to the fundamental principles of Mechanics, Hydrostatics, and Heat."—*Educational News.*

Science, Junior Experimental (Physics and Chemistry). By W. M. HOOTON, M.A., M.Sc., F.I.C., Chemistry Master at Repton School. **Second Edition. 3s. 6d.**
"The explanations are clear, and we can recommend the work heartily."—*Secondary Education.*

Sound and Light, Senior. By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. **5s.**
"The treatment is lucid and concise, and thoroughly in accordance with the most recent methods of teaching elementary Physics."—*Nature.*

Sound and Light, Junior. By JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**
"Reaches a high standard, with plenty of practical work."—*Guardian.*

For other announcements of the University Tutorial Press, see pp. 369, 404.

Complete Educational Catalogue, and Catalogue of Class Books for Secondary Schools, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

CONTENTS.

	PAGE
OCCASIONAL NOTES	351
"GO AS YOU PLEASE" IN THE ORGANIZATION OF LANGUAGE CLASSES. BY W. N. HILLS ...	353
PERSONAL PARAGRAPHS	355
TOPICS AND EVENTS	356
FOREIGN AND DOMINION NOTES	358
PRIMARY SCHOOL NOTES	364
ADVANCED COURSES IN MODERN STUDIES. BY DR. FRANK A. HEDGCOCK	369
TOPICAL SUBJECTS IN THE COMPOSITION LESSON. BY AMY CRUSE	372
CORRESPONDENCE	373
The Education Estimates; Roads of Remembrance; The Supply of Geographical Slides.	
UNIVERSITIES AND SCHOOLS	374
BOOKS OF THE MONTH	386
PRIZE COMPETITIONS	392
THE CLASSICAL ASSOCIATION	407
REVIEWS AND MINOR NOTICES	408
A History of American Literature; Harvard Studies in Classical Philology; Education and Statesmanship in India (James); Human Nature and its Remaking; The Post-Royalists on Educa- tion; Pedagogomania; The Gary Schools (Flexner and Bach- man); &c.	

OCCASIONAL NOTES.

ON Thursday, May 8, was published in the Press the official summary of the terms of peace presented to the German delegates at Versailles on the preceding day. They are terms which, though just and in the circumstances moderate, leave no doubt upon the mind of the reader as to which side won the War. News of their reception in Germany suggests that they are the first intimation which has reached many people in that enlightened land to the effect that German arms have suffered a reverse and German ambitions experienced a check. First, Germany is compelled to disgorge the conquests achieved in many early conflicts and conspiracies; she has to restore to Poland much of what she took in the eighteenth-century partitions, to Belgium her pickings of 1815, to Denmark a portion of her seizure of 1864, to France the booty of 1870. Altogether she loses one-sixth of her European territory and one-tenth of her European subjects. Secondly, she is deprived of all her ill-gotten and ill-governed Colonial Empire. Its administration is transferred to the League of Nations, which will act through mandatory states. Japan is allowed to take over the German rights and properties in Kiao-Chow. Thirdly, Germany is rendered impotent for future aggressive war. Her army is reduced to 100,000 men voluntarily enlisted; her navy to three dozen vessels, none of which are to be submarine. She is to have no forts or troops within thirty miles of the Rhine, and no air-craft. Heligoland is to be dismantled. Fourthly, she is to make large—but, of course, necessarily inadequate—reparation for the devastation she has wrought. It is to take the form of money indemnities,

ships (ton for ton), coal, machinery, &c. Finally, the Kaiser and other war criminals are to be brought to trial. Such are the outstanding conditions of this stern but equitable pacification dictated to the guilty and defeated enemy. It is a good peace, and one that should act as a warning to aggressive militarism for many centuries to come.

"WHAT touches us ourself shall be last served." There is something of Roman dignity about the order in which the English people have considered the subjects of education. English literature might almost be said to have been produced, as it has been alleged that the British Empire was acquired, "in a fit of absence of mind." It has certainly had little encouragement in the past from schools and educational authorities. At last it is coming into its own, and we welcome the appointment of a Departmental Committee as a proof that Mr. Fisher and his advisers are fully alive to its importance. There is indeed no time to be lost, for it is agreed that English literature must to some extent take the place in our secondary schools which the ancient classics have already lost. It needs scientific training as much as any other branch of study, and the trained teachers are not yet available. No more important question awaits the Departmental Committee than the question of the best training for the teacher of English. Is it more essential, for instance, that he should know the origins of the English language or the literary influences, from the classics and the Renaissance, on English literature? Can history and literature be brought into closer relations in the school curriculum than is the case at present? How much grammar is necessary? Could not oral composition and drama and debate do something to cure our national aphasia? How can the preparatory schools improve their English teaching? How can the school essay be redeemed from barrenness? How can examinations be made a test of English study without destroying the love of literature? On some of these questions the English Association has already done admirable work, but on all of them the educational world will await with interest the findings of an expert Committee.

SUCH appointments as that of Mr. W. H. Fyfe to the head mastership of Christ's Hospital are educational experiments, of possible advantage, but attended with considerable risk to the man and the school. There is no profession of which it is more true that "it is good for a man that he bear the yoke in his youth" than that of schoolmastering. Genius is said to be above ordinary rules, and Mr. Fyfe may have a genius for the leadership of a great school, but even genius is not exempt from the necessity of learning in the stern school of experience. Marshal Foch, the saviour of civilization, is steeped in the theory and practice of arms. It would not be difficult to cite recent instances of harm done by the selection of men without experience of the life and work of a schoolmaster for the headship of important schools. The period of apprenticeship is full of pitfalls. But, even if Mr. Fyfe prove to be a worthy successor of Rice and Lee in the home of "Grecians" and "Mathemats," as we sincerely hope he will be, his appointment cannot fail to be a fresh discouragement to schoolmasters, and a warning to young

men of ability at a moment when such men are imperatively needed, not to choose a profession in which the prizes often fall to outsiders. The prizes of other professions are not awarded thus; solicitors do not become judges, nor do physicians become great surgeons. Governing bodies should remember their responsibility to education. Schools need many assistant masters, able and enthusiastic in their work, and it is not well to say, in effect, to young men choosing a career, that the possibility of rising to the top of the schoolmaster's profession is growing smaller.

Public Schools and the War.

ALL who have had experience in the direction of teaching demobilized officers express the opinion that they are a living and convincing proof of the need of universal military training for our young men. The demobilized officer is keen at his work, serious and prompt in obedience, and compares most favourably with the average product of our public schools of the same age. It will be curious to see if the War will alter the old methods of our ancient foundations. Will the schools take up the attitude that the War has been won chiefly by the gallantry and sacrifice of the public-school officer, and that a system that can turn out such material cannot be bad? If they do they will not only pay a poor compliment to the gallantry of the rank and file who were not public-school men, but they will miss the best moment of reform that may occur for the next forty years. That reform must be concerned chiefly with placing work first, and, while acknowledging the importance of exercise, relegating it firmly to a second place. A Sunday paper, in a notice of the new term at Harrow recently, gave seven lines to the reforms of teaching and half a column to the discussion of the athletics of the school. A straw, maybe, but straws show the way the wind blows.

Class I Clerkships.

THE issue of the new regulations for Examinations for Clerkships (Class I) in the Home Civil Service marks a great advance that was foreshadowed in the report issued in June 1917 by the Committee appointed by the Treasury, of which Mr. Stanley Leathes was Chairman. The recommendations of that report have been adopted with a few slight changes: Arabic and Persian have been added to the languages, and mathematics is divided into pure and applied (the maximum for mathematics remaining the same). The outstanding characteristic of the new scheme is the section of compulsory subjects which demands a broad knowledge of "questions on contemporary subjects, social, economic, and political," and "questions on general principles, methods, and applications of science, including geography," and includes a *viva voce* examination. It is also necessary to show a reading knowledge of one foreign language, and, as additional marks may be gained by taking a paper in translation from a second foreign language, a valuable stimulus is supplied in this direction. There are no fewer than fifty-nine optional subjects, carrying from 100 to 400 marks each; candidates are allowed a choice up to a total of 1,000 marks. It will be noted that classics and modern languages are, for the first time, on an equality as regards maxima, and that natural science is well represented. We congratulate the Civil Service Commissioners on this admirable scheme, and look forward with

much interest to the promised syllabus in the various subjects, and then to the papers; but for these we shall have to wait until August 1921, when the first examination under these regulations will be held.

Teachers' Strikes.

SOME of the utterances at a recent meeting of the London Teachers' Association, indicating as they undoubtedly do a considerable degree of unrest among teachers in regard to the question of salaries, are a sufficient justification for our returning to a subject commented upon in these columns a month ago. This journal has always stood for the principle that the true interests of the teacher are in the long run inseparable from the true interests of the child, and that if the teacher is underpaid the child inevitably suffers along with him. All the more important, therefore, do we believe it to be that in any steps taken by teachers' associations for the improvement of the teacher's position they should be sure that they have the complete sympathy of the public, and in particular of the parents of the children. Especially do we apply this remark to the method of the strike. For one thing, no strike ever did succeed unless the strikers had public opinion behind them. But there is a far deeper sense in which a teachers' strike may be unsuccessful. For the very material upon which the teacher works is, not stocks and stones as in the case of ordinary workmen, but delicate human material. Unless he is perfectly sure of his ground, he cannot dislocate the children's education without grave risk, not only of failing to attain his immediate object, but also of losing that dignity and prestige which are of the essence of his position. Again, therefore, in what we believe to be the very highest interests of the profession, we counsel patience.

Psychological Tests and Vocational Selection.

THE war has given an impetus to the study of Experimental Psychology. There was such a sudden creation of almost innumerable posts, and so vast a number of candidates for them, that it was inevitable that standards of selection should be sought and eventually put forward. To America belongs the credit of making the initial attempt to apply such standards, and of obtaining the first and the greatest success. Over 1,500,000 recruits of the American Army were tested psychologically "for the purposes of assigning men to tasks according to talent, of discovering men of superior intelligence for advancement, of equalizing the organization of different battalions, of eliminating a large number of men from responsible positions." The results, according to Prof. Spearman, who recently lectured on this subject at London University, were "extremely effective." The efficiencies of some battalions were raised 100 per cent. Similar work was also done in the American Navy, but perhaps the most interesting results were secured in aviation, and the researches of French psychologists into what is commonly called the "flying temperament" have produced remarkably trustworthy results. There is no doubt that if these psychological tests could be applied successfully to the world of industry there would be both increased efficiency and increased happiness. "But," said Prof. Spearman, "we shall not wait for adults. We will test in childhood. Children will be tested throughout, and will be allocated to proper spheres." Before, however, we are carried away by Prof. Spearman's

robust optimism, these tests must be circulated for experiment and inevitable improvement, and for comparison with the crude, but fairly safe, though theoretically unjustifiable, methods of "imputed intelligence" hitherto adopted by all school teachers.

THE Code of Regulations for Public Elementary Schools, traditionally known simply as "The Code," is now reprinted as a whole for the first time since 1912. The Board of Education recognize that a thorough revision, involving better arrangement and lessened bulk, might with advantage have been made. Such a revision will be undertaken later. To have undertaken it now would, in the judgment of the Board (a judgment in which we concur), have been embarrassing rather than helpful to the already burdened Local Authorities. The present issue is therefore entitled a draft of the *provisional* code of regulations. Only those changes are introduced which have the effect of incorporating minutes issued since 1912, or which bring the Articles which deal with grants into agreement with the financial clauses of the Education Act, 1918, and with the Regulations for the Substantive Grant for Elementary Education which have been issued already. The other important alterations are only of a consequential character. For example, the Articles relating to grants for Special Instruction, to Higher Elementary Schools, and to "Small Population" grants disappear, because separate grants under these heads are no longer payable. Sundry changes are also made in Schedule I, relating to teachers, in consequence of the passing of the Superannuation Act, 1918.

MR. FISHER'S recent reply, in the House of Commons, to Sir Francis Blake, who directed attention to the provision in the Education (Scotland) Act, under which the Department may sanction travelling expenses necessarily incurred in attending meetings of Education Committees, and asked whether he proposed to take steps to secure that similar provision shall be available to facilitate educational administration in England and Wales, was disappointing, but not surprising. It is obvious that no satisfactory reason can be put forward for differential treatment of those performing similar duties north and south of the Tweed. All that the President of the Board could say was that he did not think members of Education Committees in England and Wales could be treated in this matter differently from members of other Committees of Local Authorities. If that is the case—and it is, of course, a reasonable view of the situation—it is advisable for the general question to be raised as soon as possible. Under present conditions, the high cost of travelling renders it difficult for local representatives in the larger administrative areas to perform their functions efficiently.

A STATEMENT, prepared by Mr. F. H. Owers, shows the expenditure incurred by the majority of administrative counties on Higher Education under the Act of 1902. The fact that the outstanding loans amount to nearly two millions indicates that the authorities have displayed a commendable activity in establishing secondary schools. The West Riding of Yorkshire records a debt of £264,287; Middlesex, £220,045;

Cheshire, £159,971; Essex, £139,676; and Durham, £108,413. Now that the limit of 2d. in the rate for higher education has been removed, and the Board are prepared to meet not less than a moiety of the net expenditure, Local Authorities will be in a position to embark upon important developments in the field of education other than elementary.

DURING the next twenty years a large expenditure on school buildings is inevitable. To the additional provision required under normal conditions, the accommodation will have to be found for new enterprises and for new classes of students; many school buildings, moreover, are quite out of date and ought to be replaced. A Local Authority usually meets capital expenditure by raising a loan, as it appears to be more equitable to divide the cost of a building over more than one generation. It is, however, an expensive method of purchasing property. Suppose, for instance, an Authority contemplated an expenditure of £200,000 over a period of ten years. It might arrange a building programme and meet the cost by raising out of revenue £20,000 a year. To borrow £200,000 at 5½ per cent., and repay it with interest over thirty years, would cost £13,300 annually for thirty years. If the proposition is extended, the economy to be effected by meeting capital charges out of revenue is emphasized. Thus, by raising £20,000 a year for thirty years, £600,000 could be expended on buildings. Loans of (say) £200,000 in each decade would represent a charge of £13,300 in the first ten years, £26,600 during the second, and £39,900 for the last ten years. In addition, the rate-payers would have to find £26,000 and £13,000 respectively for two further periods of ten years.

"GO AS YOU PLEASE" IN THE ORGANIZATION OF LANGUAGE CLASSES.

By W. N. HILLS.

WHATEVER advantages may be claimed for terminal promotion and the set system, no form can be perfectly homogeneous even in a very large school, and in schools of an average size there will always be considerable variations in capacity to learn a language amongst members of the same form or set. After experiments lasting over several years now, I have come to the conclusion that homogeneity in language forms or sets matters very little, if each pupil is allowed to progress at his own rate of speed, and this apparently impossible result may be achieved quite easily by a system of partnership work combined with the principle that no pupil shall be allowed to take a written test on a fresh lesson without having previously gained a satisfactory percentage of marks on those preceding it. In my forms each pupil advances step by step at his own pace, and the cleverer boys help those who are less apt with eminently satisfactory results, as may be proved by any one caring to pay a visit to the higher forms of the Leyton County School.

This is how it is done. First, the language classes are so arranged that each language master keeps the bulk of his pupils from their entrance to the day they leave school. This is not essential, but I claim that it is advantageous from the point of view of both pupil and teacher. Secondly, an oral lesson may be followed with interest and profit even by such pupils as have not yet attained sufficient proficiency to pass a satisfactory written test upon it. My method, then, is this.

After a preliminary course of phonetic instruction, the first lesson in the textbook is read by the whole class; oral exercises are taken upon it, and instruction given in explanation of any difficulties that may arise. After home study, a short written test on the lesson is worked by the whole class.* The work is marked, usually in class, and a *corrigé* is written, which is revised by the class, who work in partnership, two and two together, through the class. When the *corrigé* has been revised, the rest of the time spent in partnership work may be occupied by oral question and answer, the pupils taking turns to ask and answer questions. If a difficulty arises that cannot be solved by either of two partners, they refer the matter to the master, who gets the difficulty solved by the class or explains it himself. A fresh lesson is then read, and this time the written test upon the new lesson is worked by those only who have satisfied in the preceding test, the others repeating their attempt to satisfy in the former lesson. A mark of 5 out of 10 is chosen as the minimum mark qualifying for promotion to a new test. There is no difficulty in setting the tests for the whole class if the textbook chosen has a series of exercises similarly numbered after each lesson, as the numbers written on the blackboard will apply to all the tests, with additional numbers if any number should be wanting in the exercises set at the end of any lesson. This method is continued through the book, no pupil ever being promoted to a new lesson who has not first satisfied the teacher as to his mastery of those preceding it. When any pupil arrives at the end of the book no inconvenience is caused by his promotion to a more advanced book, so long as it contains numbered exercises corresponding with those in the more elementary book.

Something should be said as to the advantage of setting these short weekly or fortnightly tests. It is much better that as much as possible of the written work should be done in class, and a pupil's knowledge is better tested by work written under the master's eye than by work written at home. The *corrigé*, however, can be written at home if checked in partnership in class. I find my pupils always very anxious to conform to the rules of the game. For example, in order that the test may be as thorough as a short test can be, the pupils are told to cover the lesson that precedes the exercises from which the test is chosen in such a way that it does not help them in working the test. They are to see the exercises only, and not the lesson which precedes them, and which they have been studying as homework. There is never any difficulty about this. The boys are always evidently anxious to make the test as fair as possible, and instances of peeping at the lesson are practically unknown. It is assumed that nothing like unfair play will occur, as the interest is not so much in the mark obtained for the test, even though there are rewards for marks of nine or ten in the shape of an entry in the boy's diary. The interest, for all that, is more in the work itself than in the mark received for it. The boys see that no advantage can be gained by deceiving the teacher, who is there to help them to teach themselves, and who cannot do so effectively unless he knows just where each one of them is weak.

It will perhaps be helpful to a teacher who may wish to try this method to describe in detail a week's work in one form. I choose a second year Form, IVa. There are five periods per week, each of forty-five minutes. On Monday a written test is taken. This has been prepared during the latter part of the week before, and in the week-end home-work. There are three half hours per week of home-work, on Monday, Wednesday, and Friday evenings. The test consists of five short exercises chosen from those at the end of one of the reading lessons in the textbook. The teacher puts their numbers on the board, say A (5), C, D (6), E (3), F (2). These numbers are to apply to every boy on whatever lesson he may be taking a test. As it may happen that some of these numbers are missing from the exercises at the end of some of the lessons on which some boys are writing tests, it may be necessary to add other numbers also, until every boy has five questions to

answer, or grammatical exercises on which to write sentences in illustration. The whole business of putting up the numbers should not, however, exceed about five minutes. While the boys are writing their respective tests, the master goes round the form with his blue pencil, indicates errors, ticks off correct solutions—and it sometimes happens that a test is fully marked in class, a great advantage if spare periods for marking are not numerous.

As each boy finishes his test he puts down his pen, takes up a lead pencil, and does his best to correct his work by reference to the book, which has been covered during the test with the exception of the exercises only. He may even begin to write out his *corrigé*, though this is usually done during Monday evening's home-work.

I find it useful to include a tense of a verb in every boy's weekly test, and to make satisfaction in this a condition of passing the test. At the most one fault is allowed in this tense. If any books have not been marked during the period, they are collected and returned marked to the boys before they go home, so that they may complete their *corrigé*.

On Tuesday the boys choose partners and examine each other's *corrigé*, appending their initials or French name (each boy has a French name), when satisfied that the *corrigé* is correct and complete. If a difficulty is found that neither of the partners is able to solve, the master puts it to the class, or, if they cannot solve it, explains it himself. When the partners are satisfied with the *corrigés* they engage in conversation in French or ask and answer each other's questions till the end of the lesson. The master meanwhile goes round the class, pointing out faults where they exist in the *corrigés* or listening to the conversations, with a view to correcting faults in language or pronunciation. The marking of the *corrigé* is almost always completed in class and the marks entered in the master's mark-book.

On Wednesday (there having been no homework on Tuesday evening), it is customary for such boys as wish to do so to bring in illustrations—that is to say, drawings of scenes or objects, with French names affixed to the various objects represented. These are passed round the class, and rewards are given for the best drawings. No drawing is accepted unless all the French names are correctly written. If there are faults in French upon the drawings, they are returned for correction, and may again be submitted the Wednesday following. The rest of the lesson is occupied by the first reading of the new reading lesson. The whole class follow this reading, and it is found that even those boys whose written work is much less advanced than the lesson being read are able to profit by the oral work on the lesson, which forms the subject of Wednesday evening's homework. The class are recommended to share this homework between the lesson being read by the whole class and that on which they will write a test the following Monday, so that, if there are any difficulties in their own lesson that they think will prevent them from satisfying in their test, they may be explained in class on Thursday or Friday.

The Thursday and Friday lessons are devoted to the explanation of such difficulties if they arise and to the study of the new lesson, which is thoroughly studied, all of the exercises being taken orally before a new lesson is read. Nothing is gained by haste. Those boys who are above the average in linguistic ability or in industry or love of the study can go ahead as fast as they are able without being hampered in any way by the rest of the class. The partnership work, and the weekly study of a lesson not so advanced as that they have just mastered, provides them with excellent opportunities for that continual revision of past difficulties that is necessary if the language studied is to become part and parcel of the student's life, a permanent acquisition and a source of pleasure for life. It is by no means disadvantageous to spend the better part of two years over a first-year book, only those boys who have satisfied in it going on to the second year's course. As boys get on, they should be encouraged to attempt extra reading of books not being studied by the rest of the class, though the crowded evening time-table is in most schools a heavy handicap on boys in senior forms.

* Like Mr. de Glehn (see Adams's "The New Teaching"). I have written work done even in the phonetic script.

PERSONAL PARAGRAPHS.

THE Prime Minister's list of honours, the publication of which has been deferred since the New Year, includes the following who are associated with education:—*Baronets*: Sir Henry F. Hibbert, Chairman of Lancashire Education Committee from its inception, Chairman of the Education Committee of the County Councils Association Schools; and Sir William Thomas, J.P., public and local services, more particularly in connexion with the Welsh University. *Knights*: Prof. Israel Gollancz, Secretary of British Academy since its foundation. Prof. Richard Gregory, Member of Council of British Association for the Advancement of Science, Chairman of the Committee on Science Teaching in Secondary Schools, has done remarkable public work in organizing the British Scientific Products Exhibition. Alderman John Harrison, J.P., Mayor of Stockton-on-Tees, 1915–1919, Chairman of Education Committee, Stockton. Francis A. Hyett, Esq., Chairman of the Gloucestershire Education Committee, has rendered valuable services in the sphere of local educational administration. Prof. William Ridgeway, Prof. of Archæology, Cambridge University, since 1892; Brereton Reader in Classics since 1907; Professor of Greek, Queen's College, Cork, 1883; Gifford Lecturer in Religion, Aberdeen University, 1909–11; Stokes Lecturer in Irish Archæology, Dublin, 1900; Member of Council of Cambridge Senate, 1900–04; President of Classical Association of England and Wales, 1914.

* * *

SIR ALFRED T. DAVIES, K.B.E., Permanent Secretary to the Welsh Department of the Board of Education, and Founder and Hon. Director of the British Prisoners of War Book Scheme (Educational), has been gazetted a Deputy-Lieutenant of the County of Denbigh. Sir Alfred is a native of Liverpool, and a past student of University College, Aberystwyth. Previously to his service under the Welsh Department of the Board of Education, he practised for some twenty years as a solicitor in Liverpool. He was a member of the Denbighshire County Council and Education Committee from 1904–7, and became a Governor of his former college. He has published several handbooks on municipal problems and the Welsh language. His appointment as Deputy Lieutenant will be welcomed throughout the Principality.

* * *

THE new head of Sevenoaks School is Mr. Geoffrey Garrod, son of the late Mr. Herbert Garrod, of Merton College, Oxford, and Organizing Secretary of the Teachers' Guild of Great Britain and Ireland. A Scholar of Winchester and of New College, Oxford, Mr. Garrod has only just been demobilized after a fine record in the Army. He is a typical British sportsman-scholar, with a happy optimism, which augurs well for his success and popularity as head master.

* * *

THE Incorporated Association of Assistant Masters in Secondary Schools has appointed Mr. G. D. Dunkerley as organizing secretary, and he will take up the duties of his post in September. Mr. Dunkerley is A.R.C.Sc. and B.Sc. (London), at present second master (for some time acting head master) of Watford Grammar School, has been a member of the executive for fifteen years, and has been, in turn, hon. treasurer, hon. secretary, and chairman of the Association. He is hon. secretary of the Secondary School Teachers' War Relief Fund, and represented assistant masters as a member of the Departmental Committee on Salaries.

* * *

MR. G. A. STOCKS is retiring from the head mastership of Queen Elizabeth's School, Blackburn, at the end of the present term. A scholar of St. Edmund's School, Canterbury, and of Pembroke College, Cambridge, Mr. Stocks was an assistant, and later second, master of Lancaster School. He was appointed first head master to the Barrow-in-Furness High School in 1889, and returned to Lancaster as head in

1893. He received his present appointment in 1903. He edited the records of Queen Elizabeth's School for the Cheetam Society, and has been regarded as an authority on local antiquities.

* * *

THE REV. H. HUGHES, minor canon of Worcester Cathedral, has been appointed to the head mastership of King's College, Taunton, *vice* the Rev. E. H. George, who is taking up the headship of Bloxham School. Mr. Hughes is a late classical scholar of Pembroke College, Oxford. He was Sixth Form master at Clifton College (modern and military), and has also held masterships at Hereford and Worcester.

* * *

MR. GEOFFREY G. MORRIS, Sixth Form master at Sherborne, has been elected a Fellow and Classical Lecturer at Corpus Christi, Cambridge. Mr. Morris was Newcastle Scholar at Eton, a scholar of Trinity College, Cambridge, and Fellow of Jesus College from 1911 to 1914. He was placed in the first division of the First Class in Part I, and in the first class, with distinction, in Part II of the Classical Tripos. He was also awarded Browne Medals for the Latin Epigram in 1908 and 1909, and for the Greek Epigram in 1909, the Winchester Reading Prize, and the Oldham Classical Scholarship.

* * *

THE REV. T. GOUGH is retiring, after thirty-three years' service, from the head mastership of King Edward VI Grammar School, Retford. He will be succeeded next term by Mr. C. R. Skrimshire, who was educated at Monmouth School, and at Merton College, Oxford, where he took a Second Class in Classical Honours Moderations and a Second Class in Modern History Finals. He has held posts at New College, Eastbourne, and Bradford Grammar School, and from 1909 to the outbreak of War was head master of the English High School for Boys in Constantinople. At present he is Sixth Form History Master at Wellington College.

* * *

THE REV. SIR JOHN P. MAHAFFY, G.B.E., C.V.O., D.D., Mus.Doc., Provost of Trinity College, Dublin, died in his eighty-first year, on April 30, after a short illness. Sir John Mahaffy, who was born and partly educated abroad, entered Trinity College, Dublin, in 1856. He was awarded the Wray prize for logic and ethics, and completed a most successful student's career by becoming first Senior Moderator in Classics and Logics, with the second Gold Medal in 1859. He was captain of the cricket eleven, played for the gentlemen of Ireland, and shot at Wimbledon for the Elcho Shield. Amazingly versatile, he took an active part in the music of the College, was president of the Philosophical Debating Society, and his gift of leadership in many directions was recognized by his nickname, "The General." He received the valuable Madden Prize in 1862, and, winning his Fellowship in 1864, he took orders and devoted himself to tutorial college work. Mainly occupied at first with logic and metaphysics, he soon found his true vocation as an historian of the later age of Greece. In 1871 he was appointed Professor of Ancient History in the University of Dublin, and occupied this Chair for over twenty-eight years. He wrote extensively, and his standard publications include: "Prolegomena to Ancient History," "Social Life in Greece," "Rambles and Studies in Greece," "History of Classical Greek Literature," "The Silver Age of the Greek World," "The Empire of the Ptolemies," "The Petrie Papyri Deciphered and Explained," and, with Archbishop Bernard, "Kant's Critical Philosophy for English Readers." Sir John Mahaffy was appointed Provost of Trinity in 1914 on the death of Provost Trail, and received the accolade at his investiture, thus being the first clergyman to be knighted. He gave great help to the military authorities during the Easter rebellion of 1916, and the services of the Trinity O.T.C. during this critical period, and the general services rendered by the College throughout the war, were recognized by the bestowal upon the Provost of the Grand Cross of the British Empire. For

many years Sir John Mahaffy was the foremost figure in Trinity College. He gained a wide European reputation; numerous honorary degrees and titles were conferred upon him by foreign Universities and Academies, and his death is a great loss to education universally.

* * *

By the death of Mr. D. Rintoul, not only has Clifton College lost a distinguished master, but England has lost one of her outstanding teachers of science. Mr. Rintoul was a native of Perthshire, born on the estate of Gask. He received his early education at Madras College, St. Andrews, and graduated M.A. with the highest honours in Mathematics and Natural Philosophy at St. Andrews University. Thereafter he spent a year at Edinburgh, in the laboratory of Prof. P. G. Tait. It was owing mainly to Prof. Tait's influence that Mr. Rintoul proceeded to Corpus Christi, Cambridge, where he became Fourteenth Wrangler in 1885, and was elected to a fellowship. He was appointed almost immediately to Clifton, where he obtained distinction not only as a science teacher, but as a house master and as head of the O.T.C. He was a man of unbending integrity, and thoroughness was the stamp of his work. Those who differed from him in policy and opinion accorded him the same respect as those with whom he saw "eye to eye." What greater honour can one man pay to another?

ONLOOKER.

TOPICS AND EVENTS.

ASSOCIATION OF HEAD MISTRESSES.—The Annual Conference of this Association will be held at King Edward's High School, Birmingham, on June 13 and 14. Miss Reta Oldham, O.B.E., will preside.

THE BRITISH ASSOCIATION.—The British Association for the Advancement of Science will resume its annual meetings next September at Bournemouth, and those who have known the Association only in pre-War days will find the arrangements different in several important details from those with which they are familiar; the meeting will last only five days instead of the more usual eight, and the social festivities will be considerably curtailed. The Education Section has prepared a full programme for the meeting. On September 9, Sir Napier Shaw, F.R.S., will deliver his presidential address at 10 o'clock, the latter part of the morning being devoted to the consideration of the free-place system, with especial reference to the question of maintenance grants and the tenure of the free-place holders. In the afternoon, a discussion upon the Teaching of English will take place. On September 10, the morning will be devoted to considering "The Method and Substance of Science Teaching"; several well known educationists have promised to take part in the discussion, and an interesting debate is expected upon the two reports recently issued by Sir Joseph Thomson's and Sir Richard Gregory's Committees. During the afternoon a joint meeting with Section F (Economics) will consider the question of "Education in Relation to Business." The future of continuation schools is to be discussed on the morning of September 11, and, in view of the changes which the new Education Act will cause in these, this should prove one of the most interesting features of the meeting; for the afternoon an animated debate upon the relation of humanistic and scientific studies is being arranged. It is hoped that Bishop Welldon will be able to open a discussion upon "Training in Citizenship" on the morning of September 12; and in the afternoon of that day the question of private schools will be considered, the latter subject being one of especial interest in towns like Bournemouth. Communications intended for the Section should be addressed to the Recorder, Mr. Douglas Berridge, The College, Malvern.

THIS year's Conference of the New Ideals in Education will be held at the Examination School, Cambridge, from July 25 to August 1. The subject selected is "The Creative Impulse and its Place in Education." Mr. Henry Wilson will give the inaugural address on July 25. There will be papers on "The Effect of Craft on Mind and Body," on "Art and Culture," on "Learning by Doing," and on "The Craftsman in Relation to Education and

Industry." Full particulars can be obtained from the Conference Secretary, 24 Royal Avenue, Chelsea, S.W.3.

UNIVERSITY COLLEGE, LONDON.—A Summer Vacation Course for students and teachers of French will be held at University College from August 6 to 19 inclusive. Six lectures on "French Phonetics" will be given by Mr. Daniel Jones, and six on "Methods of Language Learning" by Mr. H. E. Palmer. Daily ear-training exercises will be conducted by Miss L. E. Armstrong, and there will be daily practical classes. Applications should be made at once to Dr. W. W. Seton at the College.

TONIC SOL-FA COLLEGE.—The Forty-third Annual Holiday Course for teachers and students is to be held at the College Buildings, Earls Court, London, E.7, from July 22 to August 14 next. It is intended to afford opportunity for study to those who are engaged in teaching or preparing to teach singing from either notation on the Tonic Sol-fa method. The course has been helpful to organists, choir trainers, and school teachers. Until recently, this was the only musical institution where, besides theoretical study, the art of teaching was practically and experimentally taught.

PARENTS' NATIONAL EDUCATIONAL UNION.—On May 22 Sir Frederic Kenyon gave an address at the annual meeting of the Parents' National Educational Union on "The Use and Charm of Museums." Sir Frederic began by saying how much the educational principles of Miss Charlotte M. Mason appealed to him by the great stress she lays upon the teaching of history and literature. Most people look upon education as a mere preparation for some trade or profession, but it was far more than that, for during the early years of a boy's or girl's life the foundation of character is laid. A knowledge of literature and history is a perennial source of inspiration and refreshment, and through it children obtain ideals. It is more than ever necessary that children should be brought up in the knowledge of the high ideals and traditions of their country; there is danger that the government of that country may get into the hands of those who have not been so brought up. Museums are a storehouse of valuable and beautiful things, and have a place of education. Sir Frederic told of many old manuscripts and documents which are to be seen in the British Museum, tracing the history of England from its beginning up till now. A museum can provide guide books, picture post cards, photographs, and lantern slides, but it can do more: it can help children to find joy in its treasures by providing guides. But it is the teachers who really matter; it is their part to make children realize the beauty of which the world is full. After the address, visitors were invited to the British Museum, where all the galleries on the ground floor were thrown open to them.

THE TEACHING OF ENGLISH IN SCHOOLS.—The President of the Board of Education has appointed a Departmental Committee to inquire into the position occupied by English (Language and Literature) in the educational system of England, and to advise how its study may best be promoted in schools of all types, including Continuation Schools, and in Universities and other institutions of higher education, regard being had to (1) the requirements of a liberal education; (2) the needs of business, the professions and public services; and (3) the relation of English to other studies. The members of the committee are:—Sir Henry Newbolt (Chairman), Mr. J. C. Bailey, Miss K. M. Baines, Dr. F. S. Boas, Miss H. M. Davies, Miss D. Enright, Prof. C. H. Firth, Mr. J. H. Fowler, Miss L. A. Lowe, Sir A. T. Quiller-Couch, Mr. G. Sampson, Miss C. F. E. Spurgeon, Dr. G. P. Williams, Mr. J. D. Wilson, with Mr. J. E. Hales as Secretary, to whom all communications should be addressed at the Board of Education, Whitehall, London, S.W.1.

UNIVERSITY TEACHERS AND SUPERANNUATION.—A conference, attended by representatives of the professorial and non-professorial teaching staffs of the University institutions of England, Wales, and Ireland, met at the University of Sheffield on April 11, to discuss the position with regard to Superannuation, in view of the recent Act, which confers non-contributory pension benefits upon all teachers in State-aided institutions except University teachers. Since 1913 there has been a Pension Scheme for Universities of a contributory character, known as the Federated Superannuation Scheme, under which the State pays one-half of the total contribution and the other half is paid by the beneficiary. This scheme, which compares unfavourably with the non-contributory scheme under the Teachers' Superannuation Act, is mainly applicable, however, to professorial staffs, as the majority of lecturers are in receipt of salaries so low that they cannot afford to make the

necessary contribution. In these circumstances it became imperative, on the passing of the Teachers' Superannuation Act, that some action should be taken by University teachers. On April 4 a deputation from the Council of the Federated Superannuation Scheme waited on the President of the Board of Education with a view to obtaining a Treasury grant for the purpose of improving the Federated Scheme. The results of this deputation were reported to the Conference, showing what improvement might be expected under a revision of the Federated Superannuation Scheme—namely, that the Government contribution might be doubled. It was understood that the utmost to be expected on behalf of the more senior members of staff is that the Scheme may be made retrospective for five years (instead of for the whole period of service, as in the case of the Teachers' Act). It was apparent that the feeling of the Conference ran in favour of the Teachers' Act. It appeared that only an extension or modification of the Teachers' Superannuation Act, so as to include University teachers, would be considered to meet all the features of the case. A motion was put to the meeting: "That this Conference wishes to urge strongly that the Teachers' (Superannuation) Act, 1918, be extended so as to include the Staffs of Universities and University Colleges," which was carried with one dissentient. A further resolution, carried unanimously, was: "That this Conference urges that before any modification of the Federated Superannuation Scheme for University Teachers be adopted an opportunity be given to the various sections of the staffs of the Universities to place their views directly before the President of the Board of Education and the Treasury, and that this resolution be communicated immediately to the President of the Board of Education." From the spirit of the Conference University teachers will never rest until their claim be recognized to rank with other grades of the profession in legislation conferring superannuation benefits.

TEACHERS' CHRISTIAN UNION.—There has recently been much discussion of the problems of Religious Education in Public Schools, and it is probably true to say that in schools of every type teachers are to-day more alive to, and at the same time more puzzled by, the difficulties of this subject than of any other. While the War seems to have stimulated the ever-ready idealism of youth, and preachers in school chapels who have a real and living message get a ready hearing, in the classroom the Scripture lesson often seems less vital and purposeful than one on any "secular" subject. It was for this reason that the Teachers' Christian Union devoted its annual conference to the Ideals and Problems of Religious Education. The conference was held from April 22-26 at The Hayes, Swanwick, and was attended by nearly 300 members. The time was divided according to the principal stages of psychological development, childhood, adolescence, and adult life, and the religious education appropriate to each stage was discussed fully. The inaugural address was given by Canon B. H. Streeter, and papers on the main topics of discussion were read by Miss Waterhouse, of Homerton College; Prof. Cock, of King's College, London; Mr. Albert Mansbridge, of the Workers' Educational Association; and Prof. Kennett, of Queens' College, Cambridge. Ample time was given to free discussion, which was maintained on a high level, valuable illustrations of the matters discussed being given from the practical experience of those present. A report of the Conference, containing the addresses, with full summaries of the discussions, will be ready by the end of June, and obtainable from the Secretary of the Union, 16 Russell Square, W.C.1.

BRITISH AND FOREIGN SCHOOL SOCIETY.—The general meeting of the British and Foreign School Society was held on May 15. The report presented deals with the urgent need for an adequate supply of the best type of men and women for the profession of teaching, and indicates the effect which the School Teachers' (Superannuation) Act, 1918, may have upon the solution of this problem. Turning to the internal affairs of the Society, it describes the difficulties which have had to be met in carrying on the training of the small number of male students who, being unfit for military duty, have been in residence at Borough Road College. It is hoped to reopen the College under conditions more nearly approaching normal in the coming autumn with a full complement of students, the majority of whom will be ex-service men. The students in the Society's colleges in the year 1918-1919 numbered 378; the staff 54.

STATE AID FOR SCIENTIFIC AND TECHNICAL EDUCATION.—Education in the United States (where scientific and technical education are the forms that prosper best) is on a fast-rising upward curve; the German race, with its eager intelligence, cannot cease, for all its political and military discomfiture, to be a power in the

domain of scientific progress. Some facts collected by the British Science Guild bring out by means of comparative figures the need of England for State aid to promote research and the supply of research workers. In proportion to population the United States has more than twice as many students of University standard as England, Germany nearly three times as many; there are only 5,000 full-time students of science and technology in the United Kingdom, as against 17,000 in Germany and 34,000 in the United States. The total income of Universities in the United States amounts to about £20,000,000, in Germany to nearly £1,800,000, in England to about £2,000,000 or, Oxford and Cambridge excluded, to only £1,000,000; 80 per cent. of the German Universities' income is contributed by the State, whereas but 34 per cent. is the proportion of income arising from Parliamentary grants to the modern Universities of England and Wales; the University of Berlin alone receives yearly from State funds a grant nearly equal to the total annual Parliamentary grants to the Universities and colleges of England and Wales, and the full amount of these grants is less than the separate incomes of nine Universities in the United States. Private benefactions to Universities and colleges in the United States exceed £5,000,000 a year; in the United Kingdom they do not average one-twentieth part of that sum. The colleges of agriculture and the mechanic arts in the United States have a total income of £7,000,000, or ten times that of the whole of the modern Universities of England and Wales. The appropriations of our Parliament to assist scientific research may be regarded as a payment on account. In the new war that is beginning, with the laboratory as its field of action, the State must make a giant effort to provide munitions and attract recruits. Germany, it will be found, will not stint provision for her Universities and technical *Hochschulen*.

EX-SERVICE STUDENTS AND THE UNIVERSITIES.—That part of the Government scheme of financial assistance for the education and training of ex-Service men which relates to higher education at public educational institutions in England and Wales is being administered by the Board of Education. Grants can be made by the Board to assist properly qualified students to take full-time University Degree or Diploma Courses, some Post-Graduate Courses, full-time Refresher Courses, and Courses of Higher Commercial or Technical Education at polytechnics or technical institutes. An intending applicant should, in the first place, communicate with the head of the educational institution at which he wishes to take his course, from whom he may receive a form of application (O. 13). If he needs advice as to the best institution for him to approach, he should consult the Chief Education Officer of the Local Education Authority of the area in which he resides. If he has any difficulty in finding an institution which has accommodation available for him, he should communicate with the Service Students Bureau, Board of Education, Whitehall, London, S.W.1. Applicants who desire to attend Universities in the British Oversea Dominions should communicate with the Secretary, Imperial Education Committee (W.O. S.D. 8), Adastral House, Victoria Embankment, S.W.1.

ROYAL ACADEMY OF MUSIC AND ROYAL COLLEGE OF MUSIC: AWARD OF MEDALS.—The following candidates gained the Gold and Silver Medals offered by the Associated Board of the Royal Academy of Music and the Royal College of Music for the highest and second highest Honours marks respectively, in the Advanced and Intermediate Grades of the Local Centre Examinations in March-April last, the competition being open to all candidates in the British Isles:—Advanced Grade Gold Medal: Amy Maynard, Oxford Centre, Pianoforte, 144 marks. Advanced Grade Silver Medal: Madeleine Windsor, Bath Centre, Pianoforte, 142 marks. Intermediate Grade Gold Medal: Leslie B. Taylor, Derby Centre, Pianoforte, 141 marks. Intermediate Grade Silver Medal: Camilla J. Lloyd, London Centre, Pianoforte, 139 marks.

ASSOCIATION OF ASSISTANT MISTRESSES.—The report of the thirty-fifth year's work of the Association has now been published. The special work of the Association during the year has been the inquiry into the allocation of the Fisher grant. This was the work of the Central Information Sub-Committee. There has been constant correspondence with Education Committees on the subject: in every case brought to the notice of the Executive a letter was written to the Authority concerned. In one instance, the remonstrance led to a higher scale of salaries being adopted; in another, a teacher who had received nothing from the Local Authority for the year 1916-17, because she left the school in July of that year, was sent the increase of salary. The work of the Association increases every week. The members now number 3,547. In order

to meet this growth, a temporary office has been taken for the greater convenience of the secretary. It will, perhaps, come as a surprise to members to realize that since the founding of the Association thirty-five years ago no rent for offices has been paid until last August. The usual Summer Meeting in the provinces, abandoned during the War, was held at Sheffield High School on May 31.

PRIVATE SCHOOLS AND THE NEW ACTS.—The operation of the Education Act 1918 and the School Teachers (Superannuation) Act will affect the future position of private schools, and it is imperative that such schools should take steps to adjust themselves to new conditions. The College of Preceptors, which is charged, among other things, with the duty of promoting the welfare of private schools, offers itself as a centre for common action on behalf of such schools. With this object it invites non-State-aided schools to affiliate themselves to the College. The College hopes to render service to the affiliated schools by offering to the public and to the education authorities a satisfactory guarantee of efficiency, by endeavouring to secure the recognition of such schools as part of the provision for national education, and by furnishing to the schools information and advice. The College will also press the claim of teachers in non-State-aided schools to share in the benefits of the School Teachers (Superannuation) Act, or, alternatively, will promote an endeavour to arrange an independent Pensions Scheme for such teachers. Schools desiring to be affiliated to the College may obtain forms of application from the Secretary of the College of Preceptors, Bloomsbury Square, London, W.C.1.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

As to continuation, the Board of Education, true to their motto, "Here the impossible grows more impossible; here the feasible ceases to be done," lay stress on the difficulties which they are not surmounting. How those difficulties would shrink if the trade unionists were as eager for schools as for higher pay and shorter hours! That persuasive rhetoric, the threat of a strike, a surging mob in Whitehall, a few banners inscribed "Amend Section 10," would train teachers, raise buildings, and repair the Education Act with magic speed. It is for us to use sober argument, not to approve these modern substitutes for the art of reasoning; and this month, to continue our study of Section 10, we examine its notions of the age-limit. In some lands it has been proposed that the continuation school should keep its pupils to the end of their twentieth year—a limit connected with conscription, and the necessity of bridging the gap between the ordinary school and the regiment. In the United States, a country with which we hope to work in closer union, the Labour leaders are almost unanimous for eighteen as the limit. But there organization is different: the primary school covers normally the ages from six to fourteen; the secondary (or high) school those from fifteen to eighteen. Only some 11 or 12 per cent. of the boys and girls who enter high schools now complete the course; and to defend the "tops" of these schools obligatory continuation up to eighteen would be required. But, if we are to judge demand in America from the existing voluntary continuation schools, it is for a lower age, the large majority of pupils in them being fifteen, sixteen, or sixteen and a half years of age. In England, secondary education, overlapping primary, begins, and might therefore perhaps end, sooner than in the United States. The great blunder that Section 10 made was, as we think, its neglect of the advice to adopt "the clean cut at seventeen"; it should have made seventeen the statutory age-limit, whilst giving power to the Local Authorities to raise the limit by by-law to eighteen. Eighteen startled unimaginative citizens and alarmed greedy employers. Nor are we convinced that *all* teachers will want *all* young persons in the continuation classes up to the full age of eighteen; which, nevertheless, could at any time be converted into the statutory age if experience made for the change. And the head masters of our secondary schools would have been content with protection up to seventeen—which they desired. The seventeenth year of life, they said, is often decisive in the shaping of a boy. Now, how has Section 10 dealt with their wishes? Looking wistfully about for grounds of release from the obligation to attend a continuation school, it exempts (i) those above sixteen who have passed a matriculation or some equivalent examination; (ii) those above sixteen who have been under full-time instruction (in a recognized school or elsewhere) up to the age of sixteen, *whether they have*

profited by it or not; and (iii) for seven years from the unappointed appointed day, all young persons above sixteen, without exception. In short, the case stands thus: Seventeen was the age-limit that would have brought orderliness into our educational system; Section 10 provoked opposition with eighteen, then tricked us practically with sixteen. And it was ill done.

Pressure (through the alternative of the obligatory continuation school) to remain in the secondary school to the age of seventeen would not be pressure to leave it then. Let us turn, however, to another subject. Of all possible fruits of the Great War—capable of bearing good fruit, although it is the vilest as well as the greatest of which history can tell—we should value most a treaty of amity, spiritual and permanent, with the American nation. In the past, petty external differences have been causes of friction; to-day the free exchange of thought-products makes for unity. Instead of banter about "accent," you may hear sweet-toned agreement about law and justice. It is significant of change that the quarterly *Yale Review* is now published in London (Dent, 3s.). The April number begins with an article on "The Converging Democracies." Says the writer: "If the various groups of the English-speaking peoples of the world unite in a common democratic federation, a moral union that goes to the core of things, we shall be able to do great and good things for mankind, including the German people." Schools should essay whatever lies in their power to promote that moral union; education may make bonds of friendship even if diplomacy should fail to do so.

The Rockefeller Foundation has undertaken to co-operate with the National Research Council in the promotion of fundamental research in physics and chemistry. For this purpose it is appropriating 500,000 dollars to maintain Research Fellowships for five years. The National Research Council, which will administer the fund, is a federation of various Government research agencies, private societies, and industrial corporations. It is designed not only to encourage scientific inquiries, but also to obtain national and international co-operation in the conduct of them, and its members are named by the National Academy of Sciences. In furthering such objects the Rockefeller Foundation pursues the intention of the founder—"to promote the wellbeing of mankind throughout the world."

FRANCE.

Should teachers organized as trade unionists make common cause with trade unions in general? It is a question much debated. The teacher is not as other labourers. His products are men, not goods; his legitimate instruments are reason and persuasion, not violence and threats of disturbance. He has moral obligations towards the whole community; his influence in the State should be conciliatory, and not disruptive. In the United States, such men as Dr. Snedden and Prof. Kilpatrick, of Columbia University, are opposed to the too intimate alliance of education with labour. Yet the tendency to co-operation grows. The American Federation of Teachers works with other trade unions, and is represented at Conventions of Labour. In France the Chamber has granted to teachers the *droit syndical*, or right of forming syndicates—a right formerly refused them on the ground that they were civil servants. Civil servants they remain; but things have changed, for the Federation of Civil Servants has resolved to affiliate itself to the *Confédération générale du Travail*, or League of Labour. At its September Congress the *Fédération des Amicales d'Instituteurs* will propose that the *Amicales* should be converted into syndicates. If a syndicate is a body of men determined to manage its own business without regard to the business of others, we deprecate the change.

Definite figures as to the proposed increase of salaries for primary teachers, men and women, have now been published. In France these teachers are grouped as to salary in classes, promotion from class to class being partly by seniority and partly for merit; the *Fédération des Amicales d'Instituteurs* has been urging that it should be solely by seniority. We give the figures for Paris. The first of the two sums in each column is the salary proper; the second, allowance for residence. It will be seen that the principle of equal pay for women has prevailed, except in that women assistants receive a lower *indemnité de résidence*.

HEAD MASTERS.

Class.	Old Salary. francs	New Salary. francs	Increase. francs
1st	2,900 + 2,000	5,000 + 2,000	2,100
2nd	2,900 + 1,700	4,600 + 1,700	1,700
3rd	2,900 + 1,300	4,200 + 1,300	1,300
4th	2,900 + 1,000	3,800 + 1,000	900

ASSISTANT MASTERS.				
1st	2,500 + 1,000	.....	5,000 + 1,000	..... 2,500
2nd	2,300 + 900	.....	4,600 + 900	..... 2,300
3rd	2,100 + 900	.....	4,200 + 900	..... 2,100
4th	1,800 + 900	.....	3,800 + 900	..... 2,000
5th	1,500 + 800	.....	3,400 + 800	..... 1,900
6th .....	"	.....	3,000 + 800 "
HEAD MISTRESSES.				
1st	2,800 + 2,000	.....	5,000 + 2,000	..... 2,200
2nd	2,800 + 1,600	.....	4,600 + 1,600	..... 1,800
3rd	2,800 + 1,300	.....	4,200 + 1,300	..... 1,400
4th	2,800 + 1,000	.....	3,800 + 1,000	..... 1,000
ASSISTANT MISTRESSES.				
1st	2,400 + 1,000	.....	5,000 + 1,000	..... 2,600
2nd	2,200 + 800	.....	4,600 + 800	..... 2,400
3rd	2,000 + 600	.....	4,200 + 600	..... 2,200
4th	1,700 + 600	.....	3,800 + 600	..... 2,100
5th	1,500 + 500	.....	3,400 + 500	..... 1,900
6th .....	"	.....	3,000 + 500 "

In the communes outside of Paris the salaries for men and women assistant teachers are to be exactly the same, and they will be, roughly speaking, *doubled*—first class, 5,000 francs (instead of 2,500); second class, 4,600 (2,300); third class, 4,200 (2,100); fourth class, 3,800 (1,800); fifth class, 3,400 (1,500); sixth class, 3,000 francs. Having regard to the purchasing power of the franc, we may deem these payments small. Yet the increases involve a new expenditure of 288,400,800 francs. Deduct temporary war supplements, 132,825,960 francs, and you will find that France is prepared to hand over to its primary teachers a further sum of 155,574,840 francs a year.

NEW ZEALAND.

New Zealand showed gloriously in the War, and the Minister of Education, in his Report for 1917 (dated 1918 and just received), gives credit to teachers for what their pupils did and were. "Of all the

forms of influence possessed by our teachers," he says, "there is none more worthy of praise than their moral influence on the children in our public schools, and of all the results of our system of education, of which we may be proud, there is none which should give us cause for higher gratification than does the moral tone of our schools as compared with that of the schools of any other system in the world. No finer tribute has been paid to New Zealand than the general admiration expressed abroad of the fine personal qualities and good behaviour on and off the field of our soldier lads." We are not disposed to trample needlessly on prostrate Germany, but mankind cannot yet forget that German schools produced the men who destroyed the peasants' fruit trees on the Somme. The New Zealand schools sent into the field warriors of a nobler sort.

The Report deplures a weakness in primary education. Nearly

(i) Primary Education.

half of the pupils in primary schools reach the age of fourteen and end their education without passing the Sixth Standard, whilst a large number do not pass even the Fifth Standard. Further provision will have to be made by means of continuation classes to prolong the education of children up to the age of seventeen—to "bring the age of adolescence out of the purview of economic exploitation and into that of the social conscience." Again, the number (1,384) of teachers having no certified educational status is disproportionately large. On the other hand, an increase in the number of primary schools is reported, as well as an improvement in the attendance. Here is a detail that will be interesting to some of our readers. The Inspector for Wanganui found teachers of infant classes who, in their effort to follow in the footsteps of Dr. Montessori, prepared large stocks of material and manufactured part of the recognized Montessori apparatus. He tells of good results obtained by the method.

(ii) Secondary Education.

Although grip is needed to keep "young persons" longer at school, New Zealand has cause to be proud of the facts that an unusually large proportion of its children are able to continue their education beyond the primary-school stage, and that nearly 90 per cent. of these receive their secondary education free, while a considerable number, again, are provided with free education at the University. Perhaps our colonies did wrong in shaping their first schools on English models. At least in New Zealand the old classical drill now finds no favour. An Inspector writes: "The number of pupils beginning Latin is steadily diminishing, partly on account of the introduction of new compulsory subjects, partly because of the growing conviction, even among those teachers who have taken honours in Latin, that for the average pupils time may be more

profitably spent on some other subject. It is doubtful whether half the pupils of our secondary schools now take up the study of this language." The teaching of French has greatly improved in the last few years, and some very able teachers of it are found in the secondary schools.

Higher education continues to prosper. It is noteworthy that

(iii) Higher Education.

each of the four teaching institutions—the Auckland University College, Victoria University College, Canterbury College, and Otago University (situated in the cities of Auckland, Wellington, Christchurch, and Dunedin respectively)—affiliated to the University of New Zealand emphasizes special subjects. Otago University has medical and dental schools, a school of mining and metallurgical engineering, and a school of domestic science; Canterbury College has a school of engineering (mechanical, electrical, and civil); Auckland University College has a school of mines and a school of commerce; whilst Victoria University College lays stress on law and science.

CAPE OF GOOD HOPE.

The *Education Gazette* (xviii, 19) publishes an outline of the Primary School Course, as revised in 1917.

Forward Movements; Vocal Music.

That course will henceforth be regarded as ending at Standard VI, but it is not to be taken for a complete education: the primary school pupil should be prepared to spend some time in a secondary school or in a day continuation school. The full secondary school course is planned for four years, and passage to it is to be made smooth. Among important Draft Ordinances printed in the *Gazette* (xviii, 21) we signalize one to make provision for free education in primary schools under the control of School Boards, and in Mission Schools. Music and singing continue to be recognized at the Cape of Good Hope as important factors in true education. The Primary School Course referred to above contains an admirable scheme for systematic instruction in vocal music through successive standards. At the Cape Town Eisteddfod in April a great variety of competitions for school children was arranged. Again, prizes are being offered for the three best original school songs. A song may be written either in English or in Dutch (including Afrikaans); it must be South African in sentiment, non-provincial, non-racial, and non-political. Music, the healer and reconciler, is an art appropriately cherished in South Africa.

JAPAN.

With long hours, spent in teaching classes sometimes of sixty or

Helping the Teacher.

seventy pupils, with clerical work to do, with a frequent obligation to give instruction in evening schools, Japanese teachers have brief leisure for self-culture. Mr. T. Kobayashi writes from the Aoyama Normal School, Tokyo, of what is done to elevate them and add to their attainments. For the purposes of administration the Japanese Empire is divided into forty-seven prefectures, exclusive of some territories. The elementary schools are almost all maintained by some city, town, or village. But it is the governor of the prefecture that appoints the teachers; in each prefecture there is a secretary of education; and under this secretary serve prefectural inspectors, who visit regularly the elementary schools and work hand in hand with district or city school-inspectors. Every inspector brings with him not only criticism and censure, but also advice and encouragement. Visits from the directors or instructors of the normal schools (all established and supported by the prefectures) are also helpful influences for the primary teachers. Again, every year summer schools are held at normal schools or district centres; to these teachers repair by order of the authorities, success in the examination at the end of a course assisting a teacher to promotion. And from time to time special training classes are organized, to attend which teachers are exempted from their school duties. Or they may hear addresses by prominent men. Even University lectures are nowadays sometimes open to them, giving them touch with the best thought of the age. It has been deplored in England that partial failure in one examination should condemn a teacher for life to a deadening routine of elementary instruction. Japan allows subsequent industry to atone for first insufficiency. Those who have certificates to teach only in lower elementary schools may attend a three years' course in some normal school at Tokyo, and qualify themselves to teach in any elementary school. They follow the classes after the work of the school-day has been done—strenuous to recover lost ground. Mr. Kobayashi is now teaching ethics to one of these classes, and sees among his hearers the bald and the grey-headed. The teachers of Japan have many societies for mutual improvement, and numerous educational journals. Nor does their interest in education know any local circumscription.

(Continued on page 364.)

MESSRS. LONGMANS AND CO.'S LIST.

LONGMANS' CLASS-BOOKS OF ENGLISH LITERATURE.

A Book of Selections from the Writings of R. L. Stevenson. Collected and Edited with Introduction and Notes by S. G. DUNN, M.A. (Oxon.).	s. d.	Tales of King Arthur and the Round Table. Adapted, with Introduction and Notes, by J. C. ALLEN, from "The Book of Romance," edited by ANDREW LANG. With 20 Illustrations by H. J. FORD.	s. d.
English Letters Selected for Reading in Schools. By H. J. ANDERSON, M.A. A Collection of 76 Letters by 43 Representative Authors.	2 0	The Story of the Glittering Plain. By WILLIAM MORRIS. With Introduction, Life, and Notes.	1 4
A Child's Garden of Verses. By ROBERT LOUIS STEVENSON. With an Introduction by GUY KENDALL, M.A., Head Master, University College School; and a Portrait.	1 9	The Story of Sigurd the Volsung. Written in Verse by WILLIAM MORRIS. With Portions condensed into Prose by WINEFRED TURNER, B.A., and HELEN SCOTT, B.A. With Introduction and Glossary.	2 0
The Coral Island. By R. M. BALLANTYNE. (Abridged.) With Frontispiece, Introduction, and Notes by A. S. TETLEY, M.A.	1 4	The Man Born to be King. From <i>The Earthly Paradise</i> . By WILLIAM MORRIS. With Introduction, Life, and Notes.	1 9
Alice in Wonderland. By LEWIS CARROLL.	1 4	Atalanta's Race and The Proud King. From <i>The Earthly Paradise</i> . By WILLIAM MORRIS. With an Introduction and Notes.	1 6
Selections from Dickens. With Notes by L. B. TILLARD, B.A., and 4 Illustrations.	1 4	The Talisman. By Sir WALTER SCOTT. (Abridged.) With Biography by ANDREW LANG; Introduction and Notes by J. THORNTON, M.A.	1 4
Micah Clarke: A Tale of Monmouth's Rebellion. By Sir A. CONAN DOYLE. Abridged Edition. With 20 Illustrations.	1 8	Ivanhoe. By Sir WALTER SCOTT. (Abridged.) With Biography by ANDREW LANG; Introduction and Notes by T. H. ALLEN.	1 6
The White Company. By Sir A. CONAN DOYLE. Abridged Edition. With 12 Illustrations.	2 0	A Legend of Montrose. By Sir WALTER SCOTT. (Abridged.) With Biography by ANDREW LANG; Introduction and Notes by R. LISHMAN, B.A.	1 4
The Refugees. A Tale of Two Continents. By Sir A. CONAN DOYLE. (Abridged.) With Introduction and Notes by G. A. TWENTYMAN, B.A., and 15 Illustrations.	1 9	Quentin Durward. By Sir WALTER SCOTT. With Biography by ANDREW LANG; Introduction and Notes by JOHN THORNTON, M.A.	1 4
Eric Brighteyes. By Sir RIDER HAGGARD. (Abridged.) With Introduction and Notes by J. MALINS, M.A., and with 31 Illustrations and Initials.	1 9	The Lady of the Lake. By Sir WALTER SCOTT. With Biography by ANDREW LANG; Introduction and Notes by W. HORTON SPRAGGE, M.A.	1 4
Lysbeth. A Tale of the Dutch. By Sir RIDER HAGGARD. (Abridged.) With Introduction and Notes by J. B. D. GODFREY, M.A., and 11 Illustrations.	1 9	The Lay of the Last Minstrel. By Sir WALTER SCOTT. With Biography by ANDREW LANG; Introduction and Notes by F. TICKNER, D.Lit., M.A., B.Sc.	1 4
Hereward the Wake. "Last of the English." By CHARLES KINGSLEY. (Abridged.) With Introduction and Notes by W. H. BARBER, M.A.	1 4	Marmion. By Sir WALTER SCOTT. With Biography by ANDREW LANG; Introduction and Notes by GUY KENDALL, M.A.	1 6
The Heroes; or, Greek Fairy Tales for my Children. By CHARLES KINGSLEY. With Introduction and Notes by WALTER R. PRIDEAUX, M.A. 6 Illustrations and 2 Maps.	1 4	Macaulay's Lays of Ancient Rome; with Ivory and the Armada. With Biography by D. SALMON; Introduction and Notes by J. W. BARTRAM, M.A.	1 4
Settlers in Canada. By Captain MARRYAT. (Abridged.) With Introduction and Notes by G. M. HANDLEY, B.A.	1 4	Macaulay's History of England. Chapter I. With Biography and Notes by D. SALMON.	1 6
Macaulay's History of England. Selections. With Introduction and Notes by J. W. BARTRAM, M.A.	1 4	Macaulay's History of England. Chapter III. With Biography and Notes by D. SALMON.	1 6
Literary Selections from Cardinal Newman. With Introduction and Notes by a SISTER OF NOTRE DAME.	1 9	Milton's Paradise Lost. Book I, II, III, IV, V. Each with Biography of John Milton by D. SALMON; Argument and Notes by W. ELLIOTT, M.A.	0 8
A Selection of Poetry for Schools. Edited by JOHN THORNTON, M.A.	1 4	Milton's Comus, Il Penseroso, L'Allegro, and Lycidas. With Biography of Milton by D. SALMON; Introduction and Notes by W. ELLIOTT, M.A.	0 10
The King of the Golden River. By JOHN RUSKIN.	0 8	Tanglewood Tales. By NATHANIEL HAWTHORNE. With Introduction and Notes by GUY KENDALL, M.A.	1 4
Tom Brown's School Days. By T. HUGHES. (Abridged.) With Frontispiece, and Introduction and Notes by A. J. ARNOLD, B.A.	1 4	A Wonder Book. By NATHANIEL HAWTHORNE. With Introduction and Notes by ADA PERRY.	1 4
Selections from Thackeray. With Introduction and Notes by JOHN THORNTON, M.A.	1 4	A Christmas Carol. By CHARLES DICKENS. With Introduction and Notes by E. GORDON BROWNE, M.A.	1 4
Little Women. By L. M. ALCOTT. With Introduction and Notes by J. F. McWILLIAM, The Belvedere School, Liverpool.	1 4	Robinson Crusoe. By DANIEL DEFOE. (Abridged.) With Introduction and Notes by T. W. SILVERDALE, and Illustrations by LANCELOT SPEED and H. J. FORD.	1 4
Tales of the Greek Seas. By ANDREW LANG. With 7 Illustrations by H. J. FORD.	1 4	Gods and Heroes of the North. By ALICE ZIMMERN, Girton College, Cambridge. With Notes and 12 Illustrations.	1 4
Tales of Troy. By ANDREW LANG. With 7 Illustrations by H. J. FORD, and a Map.	1 4		
Froude's Short Stories on Great Subjects. Selections with Introduction and Notes, by J. THORNTON, M.A. With 7 Illustrations.	1 4		
Selections from the Writings of Richard Jefferies. With Introduction and Notes by F. TICKNER, D.Lit., M.A., B.Sc.	1 4		

History of English Literature from Beowulf to Swinburne. By ANDREW LANG, M.A. Crown 8vo. Complete in one volume. 6 6

Also in 5 separate parts:—

Part I.—Early and Mediaeval Literature.	1 4
Part II.—Chaucer to Shakespeare.	1 4
Part III.—Elizabethan and Jacobean Literature.	1 4
Part IV.—Eighteenth Century Literature.	1 4
Part V.—Nineteenth Century Literature.	1 6

A COMPLETE LIST OF ALL MESSRS. LONGMANS, GREEN AND CO.'S BOOKS ON ENGLISH LANGUAGE AND LITERATURE WILL BE SENT POST FREE ON APPLICATION.

LONGMANS, GREEN AND CO., 39 Paternoster Row, London, E.C.4.

MESSRS. LONGMANS AND CO.'S LIST.

- Modern Inorganic Chemistry.** By J. W. MELLOR, D.Sc. With 334 Illus. 8vo. Thoroughly Revised. **12 6** s. d.
- The book has been written from the modern standpoint, and, in consequence, the more recently established principles of physical chemistry have been woven with the facts generally taught in chemistry classes in Universities, Technical Institutes, and other Schools.
- Introduction to Modern Inorganic Chemistry.** By J. W. MELLOR, D.Sc. With 232 Illustrations. Crown 8vo. Thoroughly Revised. **7 6**
- This book can be regarded as an abridgement of the author's "Modern Inorganic Chemistry," in a simpler dress, and it has been adapted to suit beginners in chemistry.
- Higher Mathematics for Students of Chemistry and Physics.** With Special Reference to Practical Work. By J. W. MELLOR, D.Sc. With Diagrams. 8vo. **16 6 NET**
- A Text-book of Inorganic Chemistry.** By G. S. NEWTH, F.I.C., F.C.S. With 155 Illustrations. Crown 8vo. **7 6**
- Manual of Chemical Analysis, Qualitative and Quantitative.** By G. S. NEWTH, F.I.C., F.C.S. With 102 Illustrations. Crown 8vo. **8 6**
- Qualitative Chemical Analysis, Organic and Inorganic.** By F. MOLLWO PERKIN, Ph.D. With 16 Illustrations and Spectrum Plate. 8vo. **7 6**
- Intermediate Physics.** By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S., late Professor of Physics at the Royal College of Science, London. With Diagrams. 8vo. **15 0 NET**
- Elementary Practical Physics: a Laboratory Manual for Use in Organized Science Schools.** By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S. With 120 Illustrations and 193 Exercises. Crown 8vo. **3 6**
- A Text-book of Physics.** With 568 Diagrams and Illustrations, and a Collection of Examples and Questions with Answers. By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S. Large crown 8vo. **15 0**
- A Text-book of Practical Physics. A Book of Reference for the Student working in a Physical Laboratory.** By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S. With 278 Illustrations. Crown 8vo. **10 6**
- Electricity and Magnetism. For Advanced Students.** By SYDNEY G. STARLING, B.Sc., A.R.C.Sc., Head of the Physical Department in the West Ham Municipal Technical Institute. With Diagrams. Crown 8vo. **9 0 NET**
- A Treatise on Light.** By R. A. HOUSTOUN, M.A., Ph.D., D.Sc. With 328 Diagrams. **8 6 NET**
- An Introduction to Practical Mathematics.** By F. M. SAXELBY, M.Sc., B.A., Head of the Mathematical Department, Battersea Polytechnic. Crown 8vo. **3 6**
- A Course in Practical Mathematics.** By F. M. SAXELBY, M.Sc., B.A. With 200 Figures, Examination Questions, and Answers to the Examples. 8vo. **7 6**
- Practical Arithmetic and Mensuration.** By F. M. SAXELBY, M.Sc., B.A., and C. H. SAXELBY, M.Sc., Mathematical Master, Rivington and Blackrod Grammar School. With or without Answers. Crown 8vo. **2 6**

A COMPLETE LIST OF ALL MESSRS. LONGMANS, GREEN, AND CO.'S BOOKS ON CHEMISTRY, PHYSICS, AND MATHEMATICS WILL BE SENT POST FREE ON APPLICATION.

LONGMANS, GREEN AND CO., 39 Paternoster Row, London, E.C.4.

MESSRS. LONGMANS AND CO.'S LIST.

Longmans' Historical Series for Schools. By T. F. TOUT, M.A., Bishop Fraser Professor of Mediæval and Ecclesiastical History in the University of Manchester. IN THREE BOOKS. Crown 8vo. s. d.

Book I.—A First Book of British History from the Earliest Times to the Death of Edward VII. With 85 Illustrations, 13 Genealogical Tables, and 25 Maps and Plans. 3 0

The New Editions of both Book II and Book III have been brought up to the Signing of the Armistice.

Book II.—A History of Great Britain from the Earliest Times to 1918. With 36 Maps and Plans, 8 Genealogical Tables, and 147 Portraits and other Illustrations. Crown 8vo. 5 0

[Book II is also issued in two parts. Part I: from the Earliest Times to 1485, **3s.** Part II: from 1485 to 1918, **3s.**]

Book III.—An Advanced History of Great Britain from the Earliest Times to 1918. With 29 Genealogical Tables and 63 Maps and Plans. Crown 8vo. 7 6

[Book III is also issued in three parts. Part I: from the Earliest Times to 1485, **2s. 6d.** Part II: from 1485 to 1714, **2s. 6d.** Part III: from 1714 to 1918, **3s. 6d.**]

Outline of English History. B.C. 55—A.D. 1910. By S. R. GARDINER, LL.D. With 71 Woodcuts and 17 Maps. Crown 8vo. 3 0

Or in Two Parts:—

First Period (B.C. 55—A.D. 1603) **1s. 3d.** Second Period (1603—1910) **1s. 8d.**

A Student's History of England, from the Earliest Times to 1910. By SAMUEL RAWSON GARDINER, D.C.L., LL.D. With 378 Illustrations. Crown 8vo, **20s.** Or, in Three Volumes as follows:—Vol. I, B.C. 55 to A.D. 1509. With 173 Illustrations. Crown 8vo, **6s.**—Vol. II, 1509 to 1689. With 96 Illustrations. Crown 8vo, **6s.**—Vol. III, 1689 to 1910. With 109 Illustrations. Crown 8vo, **6s.**

A School Atlas of English History: a Companion Atlas to Gardiner's "Student's History of England." Edited by SAMUEL RAWSON GARDINER, D.C.L., LL.D. With 66 Maps and 22 Plans of Battles, &c. Fcap. 4to. 6 0

Longmans' Elementary Historical Atlas, abridged from S. R. Gardiner's "School Atlas of English History." Post 4to. 1 6

A History of Europe. By A. J. GRANT, M.A., King's College, Cambridge, Professor of History in Leeds University.

The New Edition, revised in 1917 and re-issued in 1918, brings the narrative down to the Causes and early Course of the Great War, and includes New Chapters on England and Great Britain. With 11 Coloured Maps, and 11 Uncoloured Maps and Plans in the Text. Complete in one volume. 9 6 NET

Also issued in Three Parts:—

Part I.—The Classical World. 3 0 NET

Part II.—The Middle Ages. 3 6 NET

Part III.—Modern Europe. 5 0 NET

The following New Chapters have been added:—

Part III.	Chapter	VI.—England in the Sixteenth Century.
"	"	X.—Great Britain in the Seventeenth Century.
"	"	XVI.—Great Britain in the Eighteenth Century.
"	"	XX.—Great Britain in the Nineteenth Century.
"	"	XXI.—The Latest Age: Between Two Wars.
"	"	XXII.—The Outlook.

Outlines of European History. By A. J. GRANT, M.A. The New Edition, issued in 1919, brings the narrative down to the Causes and Commencement of the Great War, and includes New Chapters on the History of England and Great Britain. With 92 Illustrations. Complete in one volume. 5 0

Also issued in two Sections:—

SECTION I, containing Part I, THE CLASSICAL WORLD, and Part II, THE MIDDLE AGES. 3 0

SECTION II, containing Part III, THE MODERN WORLD. 3 0

The following New Chapters have been added:—

Section I.	Chapter	IX.—The British Isles to the Norman Conquest.
"	"	XVII.—British History from 1066 to 1327.
"	"	XX.—British History from 1327 to 1485—The Hundred Years' War and the Wars of the Roses.
Section II.	Chapter	VI.—The Age of the Tudors—British History from 1485 to 1603.
"	"	X.—Great Britain under the Stuarts.
"	"	XV.—Great Britain in the Eighteenth Century, 1714 to 1815.
"	"	XVIII.—Great Britain in the Nineteenth Century, 1815 to 1875.
"	"	XIX.—Forty Years of Peace between two Wars.
"	"	XX.—The Coming of the Great War.

A COMPLETE LIST OF ALL MESSRS. LONGMANS, GREEN AND CO.'S BOOKS ON HISTORY WILL BE SENT POST FREE ON APPLICATION.

LONGMANS, GREEN AND CO., 39 Paternoster Row, London, E.C.4.

MESSRS. LONGMANS AND CO.'S LIST.

Longmans' Latin Course. With copious Exercises and Vocabularies. Crown 8vo. s. d.

Part I.—Up to and including the Regular Verb, Active and Passive. 2 0
Key for the use of Teachers only, 3s. 8½d. post free.

Part II.—Including Pronouns, Numeral Adjectives, Irregular Verbs, Accusative and Infinitive, Ablative Absolute, Dependent Questions, Dependent Clauses, the Use of the Cases and Oratio Obliqua. 3 0
Key for the use of Teachers only, 5s. 3d. post free.

Parts I and II.—Complete in One Volume. 4 6
Key for the use of Teachers only, 7s. 9½d. post free.

Part III.—**Elementary Latin Prose**, with Complete Syntax and Passages for learning by heart. By W. HORTON SPRAGGE, M.A., late Scholar of St. John's Coll., Cambridge; Assistant Master at the City of London Sch. 3 6
Key for the use of Teachers only, 3s. 9d. post free.

Elementary Unseens. With Notes and Vocabularies. Crown 8vo. 1 8
Key for the use of Teachers only, 4s. 8½d. post free.

Longmans' Illustrated First Latin Reading Book and Grammar. By H. R. HEATLEY, M.A., Author of "Gradatim," "Graecula," &c. With 67 Illustrations by LANCELOT SPEED. Crown 8vo. 1 6

A Junior Latin Reader. Compiled by P. M. DRUCE, M.A., late Scholar, Emmanuel College, Cambridge, and M. D. MANDUELL, M.A., late Scholar, Jesus Coll., Cambridge. With 38 Maps and Illus. Crown 8vo. 2 3

A Senior Latin Reader. Compiled by J. LANG, B.A., late Classical Scholar, Queen's College, Oxford. With 82 Illustrations, Maps, and Plans. Crown 8vo. 3 6

Longmans' Modern French Course. By T. H. BERTENSHAW, B.A., Mus.Bac., Assistant Master in the City of London School.

Part I.—Containing Reading Lessons, Grammar, Passages for Repetition, Exercises and Vocabularies. With Illustrations by D. M. PAYNE. Pupils' Edition 2 0 Teachers' Edition 2 6

Part II.—Containing Reading Lessons, Grammar, Passages for Repetition, Exercises and Vocabularies. With Illustrations by D. M. PAYNE and from Photographs. Pupils' Edition 2 6 Teachers' Edition 3 0

The Teachers' Edition contains all the matter in the Pupils' Edition, together with additional Notes on Reading Lessons, Grammar and Passages for Repetition, Translation of Exercises, &c.

A First History of France. By Mrs. MANDELL CREIGHTON. With 33 Illustrations and 5 Coloured Maps. Crown 8vo. 4 6

A History of Greece, from the Earliest Times to the Death of Alexander the Great. By C. W. C. OMAN, M.A., LL.D., M.P., Chichele Professor of Modern History in the University of Oxford, Fellow of the British Academy. With 13 Maps and Plans, and 84 Illustrations. Crown 8vo. 6 6

The Growth of the British Empire. By P. H. and A. C. KERR. With 4 Coloured Illustrations, 63 Maps (4 of which are Coloured), and other Illustrations. Crown 8vo. 3 0

Longmans' Geographical Series. Crown 8vo.

Book I.—**The First Book of Geography.** With 21 Illustrations and 52 Maps (40 of which are coloured). New and Revised Edition. 2 6

Book II.—**The World. For Junior Students.** With 57 Illustrations and 153 Maps (68 of which are coloured). New Edition, Revised, partly Rewritten, and Enlarged. 4 6

Book III.—**The World. For Senior Students.** With 276 Maps (99 of which are coloured), Diagrams, and Illustrations. New Edition, Revised, partly Rewritten, and Enlarged. 6 0

Book IV.—**The British Empire.** With 67 Illustrations and 113 Maps (54 of which are coloured). New Edition, Revised and Enlarged, 1914. 4 6

Book V.—**A Primary Physical Geography.** By JOHN THORNTON, M.A. With 136 Illustrations and 14 Maps (one of which is coloured). New and Enlarged Edition. 2 6

A FULL LIST OF ALL MESSRS. LONGMANS' BOOKS ON HISTORY, GEOGRAPHY, LATIN, AND FRENCH WILL BE SENT POST FREE ON APPLICATION.

LONGMANS, GREEN AND CO., 39 Paternoster Row, London, E.C.4.

They go from prefecture to prefecture studying the schools; and recently teachers from the two largest cities in the Empire, Tokyo and Osaka, were sent to the United States of America, that they might get knowledge and inspiration from the outside world. Japan has long abandoned the principle of cultural isolation.

They are beginning to study French in Japan. The Athénée français, founded at Tokyo in 1912 by M. Cotte, *professeur agrégé* of a French university, has four obligatory classes and two optional classes (for Latin and Greek). All the instruction is given in French. The number of pupils, aged from twenty to thirty, and comprising bank officials, lawyers, doctors, and officers, rose from 26 in 1912-13 to 430 in July, 1918 (*Information d'Extrême-Orient*). Monks and nuns, harassed in France, have established places of education in Japan—the Marianistes a *collège*, the Dames du Sacré-Cœur a *pensionnat*. These schools are flourishing, for, although there are very few Japanese Catholics, other parents are willing that their children should seek knowledge in them (*Bulletin de la Société générale d'Éducation*, L. i). Sixty years ago foreigners were forcing their way into Japan for trade; to-day they are welcomed for their imponderable goods.

PRIMARY SCHOOL NOTES.

The Coming of Provincial Councils.

SINCE the passage of the new Education Act the tendency for Local Education Authorities to combine upon matters of common interest has become more and more pronounced. The necessity of deciding upon guiding principles in drawing up scales of salaries, for example, has compelled action of this kind, inasmuch as the introduction of scales which were in advance of those in force in neighbouring areas at once encouraged the movement of teachers from such areas. As a result, it was found, in effect, that certain Authorities were training teachers for service under other Authorities. The introduction of the terms of the Teachers Superannuation Act has intensified the need for common action in this particular branch of administration, and there are indications throughout the country that Education Authorities are moving steadily in the

direction of taking joint action in fixing scales of salaries for teachers. The provision of secondary and continuative education is another field which lies open to combined action, and steps have already been taken to formulate principles of procedure in several districts. The West Riding of Yorkshire and the county of Lancashire are exceptionally well situated for the formation of a combination of bodies for the administration of Primary, Continuative, Secondary, and University education in their respective areas, and in the latter case matters have already made considerable progress.

The Supply of Teachers.

NOTWITHSTANDING all that has been said and done in order to improve the national system of education, progress threatens to be blocked in every direction owing to the inadequate supply of teachers. The building difficulty promises to disappear with time, since there are many old schools and army structures of a temporary type which can be adapted to school needs until permanent institutions can be set up. The staffing of the new schools threatens to become the more difficult, not only on account of the unwillingness of recruits to come forward, but because of the continued dissatisfaction of teachers with their conditions of remuneration. Strikes are becoming increasingly common among teachers; twelve months ago the average teacher regarded such a course of action with strong disfavour. To-day the conviction is growing among teachers that this policy is the only one that has any effect upon the non-progressive Education Authorities. Among men teachers the feeling is exceedingly bitter; they are unable in many cases to pay their way, and are considerably worse off than in pre-war days. It is perfectly useless, therefore, to expect such teachers to assist in bringing up recruits to the profession; and the position is bound to be complicated, so far as boys are concerned, by the introduction of the equal payment principle for men and women teachers. The men are convinced, for the greater part, that equal pay means a levelling down of salaries. The more progressive authorities are alive to the danger, and are pressing for the adoption of national scales of salary. In the meantime they are considerably improving their own scales. There is general agreement that the national policy is the one which will have to be adopted, and, as this is essential to ensure a satisfied teacherhood and a steady and sufficient

(Continued on page 366.)

**Quite the best in
Junior Geographies
yet issued**

PHILIPS' "HUMAN" GEOGRAPHIES

By JAMES FAIRGRIEVE, M.A.
and ERNEST YOUNG, B.Sc.

This series is just what its name denotes—*human*. Everywhere the human note is predominant and the relation of man to his environment insisted upon. The books are not merely human in the sense that they treat of Geography from the human point of view, but also because the kinds of human beings who live in different environments are fully described. Progressive both in difficulty of language and of ideals.

Book I.—CHILDREN FAR AWAY
Life and Doings of Children in other Lands. 1/6

Book II.—HOMES FAR AWAY
Homes and Parents of Children in other Lands. 1/6

Bk III.—THE BRITISH ISLES 1/9

Book IV.—THE NEW WORLD 1/9

In preparation: Book V.—THE OLD WORLD
Book VI.—EUROPE AND BRITAIN

Crown 8vo.
with Coloured and
Black and White
Illustrations and
Maps.

GEORGE PHILIP & SON, LTD. 32 FLEET ST.,
LONDON, E.C.4

DETAILED PROSPECTUS FREE

Just Published.

TRANSPORT THE MAGIC CARPET OF INDUSTRY

By J. P. GRIFFITHS

A Non-Technical Volume briefly describing the history and development of Transport by sea, road, canal, and railway. A delightfully fascinating, interesting and instructive book for young people at the inquiring age. Crown 8vo. 256 pages. Numerous half-tone illustrations and maps. 2/6

PHILIPS' SYNTHETIC MAPS

By E. G. R. TAYLOR, B.Sc.

Eight Sets—**The World, Six Continents, British Isles**

For the study of geographical relationships by the combination of various transparent maps, and the imposition of these upon each of two foundation maps, the latter being coloured to show certain fundamental phenomena with which the transparencies have a cause-and-effect connexion. Each Set consists of 2 Coloured Foundation Maps and 8 Transparencies, together with Suggestions for Class Use. In stout Manilla case, 11 by 9 in., 9d. net per Set. Maps also separately on cartridge paper, for use as "Hand Maps," 4d. net each.

PHILIPS' COMPARATIVE WALL ATLASES

Edited by J. F. UNSTEAD, M.A., B.Sc., and E. G. R. TAYLOR, B.Sc.
Eight Sets—**World Relations, Six Continents, and British Isles**

Maps, singly, mounted to fold and eyeletted, 6/- net each; complete in this form in box, 8 Maps, 35/- net, or all on roller to turn over, 35/- net. Also supplied without the Political Maps, 7 Maps, mounted on cloth, dissected, folded, eyeletted, in thumb case, 32/6 net.

MINIATURE WALL ATLAS EUROPE & LISTS ON APPLICATION

MUSIC for the AUTUMN TERM.

JOSEPH WILLIAMS LIMITED

invite all professors and teachers of music on the "look-out" for good material of educational value to **write and inquire of**

Our School Department

stating their needs.

Teachers and Schools should also write for our Descriptive Catalogues and Lists, also our Booklet of Thematic Extracts from over 350 pieces (45 pages), and for full information regarding our

"On Approval" Parcel System.

Dept. "J.W."

London :

**JOSEPH WILLIAMS LIMITED,
32 GREAT PORTLAND STREET, W.1.**

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C.2,

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

The RUSSIAN LANGUAGE

All the Russian Texts are Accented.

All prices are net.

BRYLINSKA (A.). Russian Fairy Tales for School Use. Notes and Vocabulary. 4s. 6d.

FREESE (J. H.). Russian and English Dictionary (both Parts). Third edition. 10s. 6d. Each Part, 5s.

— Russian Manual for Self-Tuition. 3s.

FREETH (F.). First Russian Reader. 2s. 6d.

IVANOFF'S Russian Grammar. 145th thousand. 3s. 6d.

LETT (S. J.). Russian Verbs Made Easy. 2s. 6d. net.

LERMONTOV'S Poems. Texts, Notes, Life, and Vocab. by E. N. STEINHART. 2s. 6d. net.

Russian Copy Book. 32 pp., 3d.

RIOLA (H.). How to Learn Russian. 6s. Key, 3s. 6d. Graduated Russian Reader. 4s. 6d.

RUSSIAN TEXTS FOR SCHOOL USE. Each with Introduction, Notes, Vocab. 1s. 6d.

CHEKHOV. The Chameleon; and other Tales. **SEVER.** **KRYLOFF.** Select Fables. **FREESE.**

LERMONTOV. Bela. R. BISKE, M.A. (Oxon).

Russian Poetry Reader. **TILLYARD** and **Mme. SEMEONOFF.**

TURGENIEV. Moo-Moo; and The Parish Doctor. **RAFFI.**

SEGAL (L.). Russian Proverbs. Texts and Translations. 1s. 6d.

— Russian Idioms and Phrases. [Shortly.]

SEVER (P.). Modern Russian Poetry. Texts and Translations. 2s. 6d.

SIEFF (M.). Russian Commercial Correspondence. 3s. 6d.

SOLOMONOFF (J.). First Steps in Russian. Illustrated. 2s. 6d.

— Russian Composition. 3 Parts, each 1s. 6d. In 1 vol., 3s. 6d.

STAFFORD (S. G.). Notes on the Russian Verbs. 2s. 6d. net.

TEBBUTT (A. E.). Russian Lyrical Poetry. Texts and Notes. 3s. 6d.

VOLPER. Russian Accidence in Tables. 3s. 6d.

WHILE (E. C.). Easy Russian Reader. Illustrated. [June.]

KEGAN PAUL, TRENCH, TRUBNER, & CO., Ltd.,
68-74 Carter Lane, E.C.4; 25 Museum Street, W.C.1.

Teachers who wish to purchase

SCHOOL or COLLEGE TEXTBOOKS, Single Volumes or in quantities,

should communicate with us. 68 page Educational Catalogue post free on request.

ANDREW BAXENDINE, Educational Booksellers,
15 CHAMBERS STREET, EDINBURGH.

Established 1885. 'Phone 4771.

LA PETITE REVUE

(Vol. III.)

Do your Pupils take it?

Specially written for boys and girls. It keeps them keen.

Parcels, post free, three times a term at the rate of 6d. per pupil.

H. J. PURKISS,
THE KING'S SCHOOL, GRANTHAM.

DUPLICATING AND TYPEWRITING.

NEATLY AND PROMPTLY EXECUTED.

— MODERATE CHARGES. —

THE CAXTON TYPEWRITING CO.,
3 PATON STREET — MANCHESTER.

FOR A SELECT LIST OF

HOLIDAY QUARTERS

See page 334.

supply of young teachers, it is a matter of growing surprise that there should be so much delay.

The New Substantive Grant.

For the year beginning April 1, 1919, the Board of Education will consolidate their various grants in respect of elementary education. The grant will be based upon the average attendance of a school for the year, 36s. being paid in respect of each unit of average attendance. In addition, the Board will pay three-fifths of the Authority's expenditure on the salaries of teachers in its schools, one-half of the net expenditure on special services, and one fifth of the remaining net expenditure on elementary education, less the product of a sevenpenny rate upon the assessable value of the area. The minimum grant shall in no case be less than one-half of the net expenditure. All grants due up to March 31, 1919, will be paid over to the Authorities, in order that the year beginning April 1, 1919, may become the uniform financial year. Provision is made for increased grants in highly rated areas, and the total grant, when calculated, is to be paid monthly in moieties of one-twelfth of the ascertained sum. This condition will enable Local Education Authorities to summarize their resources with considerable accuracy; and, as they will have a substantial balance in hand on account of the grant paid for the month of March, the result should be a general stabilization of the Education rate. Incidentally, every Education Authority will now be able to make substantial advances in salary scales.

Equal Pay for Men and Women.

THE decision of the National Union of Teachers in favour of a common scale for men and women teachers cannot fail to have an important influence upon the future of the profession. On the one hand, a movement has already been organized by the men to safeguard their position; on the other, the women's movement has reached the point when their case will have to be proved to the satisfaction of Education Committees and Local Authorities. It is clear, therefore, that women will have to take a much more responsible share in the official work of Teachers' Associations; and in due course the chastening effects of leadership which such responsibility always brings may be expected to prepare the way for a complete and harmonious settlement of the whole problem.

In the meantime, discussion of the bearings of the question cannot fail to develop a keener professional outlook upon other aspects of policy in education.

N.U.T. Notes.

THE Constitution of the Standing Committees in the new Executive has now been completed. More concentration upon important phases of Union work will be possible under the re-arrangement of committees, and it is notable that the plan of electing members possessing special qualifications from the general body of teachers external to the Executive has been further extended. The necessary steps are being taken by the Executive to give evidence before the Royal Commission on Income Tax. The formulation of a new scale of salaries entrusted by the Cheltenham Conference to the Executive is expected at an early date.

A TRAINING SCHOOL FOR MUSIC TEACHERS.—This School has been founded because of the many inquiries received from heads of schools and others for teachers qualified to teach aural culture, musical appreciation, and allied subjects. The value of class teaching in music to supplement the weekly instrumental lesson, is now generally acknowledged, but the supply of teachers capable of training such classes falls far short of the demand. One has only to glance at the prospectus of this training school to see that the future music-class teacher must broaden his outlook and equip himself so that his classwork will stimulate his pupils to devote themselves more intelligently to their respective studies. The training of good listeners is of greater importance than the training of bad instrumental players, and the teacher who aspires to influence the rising generation and help to a real knowledge of music should derive real benefit from a course of instruction which includes aural culture (including sight-singing), pianoforte teaching (technical and interpretative), musical appreciation (including the study of style, period, structure, and musical æsthetics generally), the art of voice training, and the problem of the music class. Students taking the course are free to carry on their own studies elsewhere, and a certificate will be awarded to all who complete the full course to the satisfaction of the professors and the Advisory Council. The classes are held at 19 Berners Street, W.1, where a prospectus may be obtained on application to the Secretary.

BACON'S WALL MAPS & ATLASES

THE MAP ORDERING PROBLEM.

The final findings of the Peace Conference will only affect four of our large Wall Maps.

If you are in need of any of the following, you need not delay ordering, as they are unaffected:—

ENGLAND
SCOTLAND
IRELAND
BRITISH ISLES
NORTH AMERICA
CANADA
UNITED STATES
PANAMA
SOUTH AMERICA
INDIA
AUSTRALIA
NEW ZEALAND

We shall issue at the earliest possible moment after the new boundaries are finally settled, our

NEW WALL MAPS

OF

EUROPE

AFRICA

ASIA

THE WORLD

Order in advance to secure early delivery. Underline "New" on Requisition Sheet.

BACON'S WALL MAPS.

20	Excelsior Political Maps, 5 by 4 feet	...	...	...	21/-
11	Large Print " " 4 " 3 "	...	...	...	12/6
25	Reduced " " 40 " 30 inches	...	...	...	7/6
20	Bold Feature " " 40 " 30 "	...	...	...	7/6
14	Contour (Orographical) Maps, 5 by 4 feet	...	...	...	21/-
8	" " 40 " 30 inches	...	...	...	7/6
55	Physical and Economic Maps, 40 by 30 inches	...	...	...	6/-

The majority of the 6/- and 7/6 Maps are also stocked arranged as Wall Atlases. Four, or more, of the 6/- and 7/6 Maps may be selected by customer, and supplied, cloth, cut-to-fold, eyeleted, in case, at a cheaper rate. Particulars in Catalogue.

Send a post card for Catalogue, Specimen Sections of above, and particulars of our Scholars' Atlases.

G. W. BACON & CO., Ltd., 127 Strand, London, W.C. 2.

JAMES GRAY LTD.

HEATING ENGINEERS,

DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone :
Western 201.

Telegrams :
Gray 201 Western London.

DUSTLESS and HYGIENIC SCHOOLS

On all School, Laboratory, Library, &c., Floors and Linoleums of every description

USE**FLORIGENE** (Regd.)

DURING EACH VACATION for Best Results.

(BRITISH MADE.)

It is **IMPORTANT** to **NOTE** that **ONE APPLICATION** of "Florigene" **ALLAYS** the DUST and DIRT for **2 TO 12 MONTHS**, according to traffic, not only during each Sweeping (without sprinkling of any kind) but also throughout all the intervening periods—which is of greater hygienic importance. "Florigene" is also easily and quickly applied, and saves time and labour.

These sanitary, labour-saving, and economic advantages are **NOT** attained by sweeping-powders or any mechanical or other method.

Send for Particulars, Medical Reports and Testimonials, to the Sole Manufacturers:

The "DUST-ALLAYER" Co., 4 Vernon Place, Bloomsbury Square, London, W.C.1.

Contractors to the Admiralty,

War Office,

H.M. Office of Works,

Colonial Douts.,

L.C.C., &c.

BOTANICAL APPARATUS

VASCULA, PRESSES, POCKET LENSES, &c.

MICROSCOPICAL PREPARATIONS

In Sets to illustrate current Textbooks.

New Catalogue in the Press—ready July.

FLATTERS & GARNETT, Ltd.,
 309 OXFORD ROAD (Opposite the University), MANCHESTER.
Institut Pédagogique International.**FRENCH COURSES AT CAEN (NORMANDY).**

The popular French Courses at Caen, the first of the kind to be established in France, are still the best and most popular.

HOLIDAY COURSES:

From July 3rd to August 30th.

 Phonetics—Reading—Conversation—Study of Authors—
 Literature—Composition.
DIPLOMAS AND CERTIFICATES.

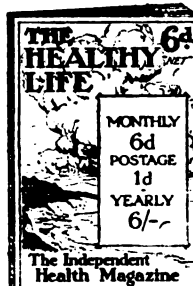
Examinations for the "Diplômes de l'Institut Pédagogique International."

For full information, apply to—

PROF. E. LEBONNOIS, 16 AVENUE DE GREULLY, CAEN.**THE HEALTHY LIFE**

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

¶ Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W. 1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.

**SCIENTIFIC APPLIANCES.**
 Electrical, Magnetic, Static, Optical, and Experimental
 Apparatus Parts and Materials.

 Lenses, Achromatic or Plain, Prisms, Mirrors, and
 Optical Goods.

 Best Make, Second-hand P.O., and other Galvanometers,
 Relays, Electric, and Optical Instruments at
 ONE-THIRD COST.

 Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings
 for the Student of Science.

 Telephones, Batteries, Morse Keys, and every aid for
 Radio and Telegraphic Experiments.
 Our Celebrated Wimshurst Machines.

 War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
 Call or write for information. (H. J. DALE has had fifty
 years' experience.)
SCIENTIFIC APPLIANCES,

11 & 29 Sicilian Avenue, Bloomsbury Square, London, W.C. 1.

AUGENER'S EDITION CLASSICAL & MODERN MUSIC*Engraved and Printed in England*
**LARGEST CATALOGUE OF
 EDUCATIONAL MUSIC
 :: IN THE EMPIRE ::**
AUGENER'S SCHOOL DEPT.,
 18 Great Marlborough Street, London, W.1.
THE "POSITIVE" ORGAN IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.
 Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."
POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

EDUCATIONAL BOOKS PRE-WAR PRICES.**CATALOGUES FREE.**
 Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
 13 Paternoster Row, London, E.C. 4.

BLACKIE & SON'S NEW LIST

Experience has proved that Messrs. BLACKIE & SON'S Books take a foremost place by reason of their scholarly editing, clear type, strong binding, and reasonableness in price.

THE GROUNDWORK OF BRITISH HISTORY.

By **GEORGE TOWNSEND WARNER, M.A.**, sometime Fellow of Jesus College, Cambridge; Master of the Modern Side in Harrow School; Author of "A Brief Survey of British History," &c.; and **C. H. K. MARTEN, M.A.**, Balliol College, Oxford; Assistant Master at Eton College.

With Maps, Time Charts, and Full Index. 764 pp., super-crown 8vo, 7s. 6d. net. Complete in One Volume.

In Two Parts, 4s. 6d. each net. Part I, 55 B.C.—1603; Part II, 1603–1911.

For the convenience of those requiring the book for certain examinations it is also issued—

In Three Sections, 3s. 6d. each net:—Section I, 55 B.C.—A.D. 1485; Section II, 1485–1714; Section III, 1714–1911.

A NEW GRAMMAR BOOK.

By **AGNES CATNACH, B.A.** (Lond.), Assistant Mistress at King Edward's Girls' High School, Birmingham. 2s. 6d. net.

This book seeks to connect more closely the formal study of language with adequate expression of thought, and to attain this end all the work is based on the study of the sentence. It is hoped that to children studying on these lines English Grammar will be a subject of living interest, and that the various facts of grammar will gain that logical connection which they so often seem to lack.

The matter has been set forth as simply as possible, and in a manner to retain the interest of the pupil.

SOME PRACTICAL HINTS FOR THE YOUTHFUL HISTORIAN.

By **C. H. K. MARTEN, M.A.**, Balliol College, Oxford, Assistant Master at Eton College. 3d. net.

N.B.—The above is No. 1 of a Series entitled "Aids to the Study of History."

THE GOLDEN BOOKS OF ENGLISH VERSE.

A Graduated Course for Class Study. Arranged by **FRANK JONES, B.A.**, Senior English Master, King Edward's School, Aston, Birmingham.

In Three Books. Book II, now ready. 2s. net. Books I and III, in preparation.

The chief feature of this series is the teaching apparatus provided at the end of each poem. The objects kept in view in drawing up these aids have been to save the teachers' time, and to provide the pupils with an instrument by which they might test the thoroughness or otherwise of their understanding of the poem studied. Each teacher will no doubt supplement them as necessity arises; and to the pupils who have studied a poem in order to answer the questions asked, the aids will suggest other points for further consideration with the help of the teacher.

A BOOK OF ENGLISH HISTORY FOR CHILDREN. Part I.

By **LILIAS MILROY**, Head Mistress of the Leamington High School for Girls, and **ELIZABETH M. BROWNE**, Formerly Assistant Mistress in the Truro High School for Girls. 2s. 6d. net.

This history book seeks to steer a course between those mere "outlines," which are bound to be lacking in interest for young children, and the books of stories from history, often delightful to the readers, but apt to be rather too bulky for use as textbooks. The aim of the authors has been to select carefully the more important movements and the more picturesque incidents of history, and in connection with these to give those ample details which children love, and at the same time to preserve a clear chronological sequence.

A RAPID SURVEY OF ENGLISH LITERATURE.

By **E. H. BLAKENEY, M.A.**, Winchester College. 2s. net.

"A wonderfully comprehensive selection of brief characteristic extracts, with notes of the times and peculiarities of the writers, and will be found a very interesting book."—*Guardian*.

ENGLISH PROSE EXTRACTS FOR REPETITION.

Selected and edited by **E. H. BLAKENEY, M.A.** 9d. net.

"Mr. Blakeney has done very useful work in producing this little book of prose extracts, fine examples of prose for the use of schools. Extracts from writers such as Gibbon, Scott, Matthew Arnold, Shorthouse, Pater, George Meredith, Ruskin, and some quite recent writers are brought together."—*Times*.

A NEW SERIES OF FRENCH HISTORICAL READINGS FROM ORIGINAL SOURCES.

ÉPISODES MÉMORABLES DE L'HISTOIRE DE FRANCE.

General Editor: **LOUIS A BARBÉ, B.A.**, Officier d'Académie.

PRISE DE LA BASTILLE, from Michelet's *Histoire de France*.

LA ROUTE DE VARENNES,

LES FRANÇAIS A LA 1^{re} CROISADE,

STRONGLY BOUND IN LIMP CLOTH. PRICE 9d. EACH.

BLACKIE'S LONGER FRENCH TEXTS.

From Modern French Literature. Printed in large, clear type, with brief Notes, Exercises, Phrase List, and Vocabulary. Fcap. 8vo, 9d. each.

COURS DE FRANÇAIS, d'après les Textes.

By **M. ANCEAU** and **E. MAGÉE**, Edgbaston High School for Girls, Birmingham. Cloth boards, 2s. net.

A SKELETON FRENCH GRAMMAR.

By Professor **ATKINS, M.A.**, King's College, London. The "irreducible minimum" printed in red and black. 1s. 6d. net. With Exercises, 2s. net. Exercises only, 1s.

A JUNIOR FRENCH COURSE (First Year).

By **E. J. A. GROVES, Lic. ès L.** (Senior French Master, Bradford Grammar School). Fully Illustrated. Cloth extra. 2s. 6d. net.

BLACKIE'S LITTLE FRENCH CLASSICS.

Representing all important French Authors from Montaigne to Bourget. Fcap. 8vo. 6d. each.

LE LIVRE ROUGE.

A First Book of French in Coloured Pictures. By **E. MAGÉE**, Edgbaston High School for Girls, Birmingham. With many full-page Coloured Pictures and other Illustrations. Fcap. 4to. 2s.

LE LIVRE BLEU.

A Second Book of French in Coloured Pictures. By **E. MAGÉE**. With sixteen full-page Coloured Pictures and many other Illustrations. 2s. 3d.

RECENT IMPORTANT BOOKS FOR THE STUDY OF ITALIAN.

By **ERNESTO GRILLO, M.A., LL.D., D.C.L.**, Professor of Italian Language and Literature in the University of Glasgow.

A NEW ITALIAN GRAMMAR.

For the use of Schools, Commercial Colleges, and Universities. 8vo, cloth, 6s. net.

A systematic course of instruction in grammar and in the elementary principles of composition.

SELECTIONS FROM THE ITALIAN PROSE WRITERS. With Critical Introduction. 7s. 6d. net.

SELECTIONS FROM THE ITALIAN POETS. With Critical Introduction. 7s. 6d. net.

Prospectuses post free on application.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.

OXFORD AND CAMBRIDGE LOCAL EXAMINATIONS, 1920.

S. denotes the Senior Examination, J. the Junior Examination,
P. the Preliminary Examination.

OXFORD.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d. (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s. (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s. (S., J., P.)

English Literature.

- CHAUCER—THE PROLOGUE TO THE CANTERBURY TALES.** By A. J. WYATT, M.A. With Introduction, Text, Notes, and Glossary. 1s. 6d. (S.)
MACAULAY—HORATIUS, LAKE REGILLUS, THE ARMADA. By A. J. F. COLLINS, M.A. 1s. 6d. (S.)
MILTON—COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d. (J.)
SHAKESPEARE—KING JOHN, MERCHANT OF VENICE, MIDSUMMER NIGHT'S DREAM, TEMPEST, TWELFTH NIGHT. (Junior Shakespeare.) Each 2s. 3d. (S.)
SHAKESPEARE—JULIUS CAESAR. 2s. 3d. (S., J.)
SHAKESPEARE—AS YOU LIKE IT, MERCHANT OF VENICE, THE TEMPEST. Each 1s. 9d. (Junior Shakespeare.) (J.)
SHAKESPEARE—CORIOLANUS. (Tutorial Shakespeare.) 2s. 3d. (J.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK V.** By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d. (S., J.)
CAESAR—GALLIC WAR, BOOK VI. By LL. M. PENN, M.A. (School Latin Classics. 1s. 9d. (S.)
CICERO—DE AMICITIA. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d. (S.)
VERGIL—AENEID, BOOK X. By A. H. ALLCROFT, M.A., and J. F. STOUT, M.A. 1s. 9d. (S.)
VERGIL—AENEID, BOOK IX. By J. F. RICHARDS, M.A. 1s. 9d. (S.)
EURIPIDES—HECUBA. By T. T. JEFFERY, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)
XENOPHON—ANABASIS, BOOK IV. By W. H. BALGARNIE, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)

CAMBRIDGE.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d. (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s. (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s. (S., J., P.)

English Literature.

- MILTON—COMUS, LYCIDAS.** Each 1s. 6d. (S.)
MILTON—SONNETS. By W. F. MASOM, M.A. Second Edition. 2s. (S.)
SCOTT—LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s. (P.)
SCOTT—LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s. (J.)
SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. 1s. 9d. (J.)
SHAKESPEARE—TEMPEST, HAMLET. Each 2s. 3d. (S.)
TENNYSON—COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. (In the press. (J.)
ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d. (S.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d. (J.)
LIVY—BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
TACITUS—AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
VERGIL—AENEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. 1s. 9d. (J., S.)
EURIPIDES—MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d. (J., S.)
XENOPHON—ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s. (J.)

* Text, with Introduction, Notes, and Maps.

† Text, with Introduction, Notes, and Complete Alphabetical Vocabulary.
 Complete Educational Catalogue and separate Catalogues of Class Books for the Oxford and Cambridge Local Examinations, post free on application.

University Tutorial Press, Ltd.

High Street, New Oxford Street, LONDON, W.O. 2:

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	... £5 10 0	One Column (½ page)	£3 0 0
Half Column (½ page)	1 15 0	One-Eighth Page	0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—6d. per line; minimum charge, 5s.
 Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d. prepaid rate.
 Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each 8 words after, 6d.; prepaid rate.

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C.4:

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London Joint City and Midland Bank, Ludgate Branch." Postage stamps can only be received at the rate of thirteen to the shilling.

Notice must be given of all remittances through the Post Office from abroad, stating full name and address of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

ADVANCED COURSES IN MODERN STUDIES.

By DR. FRANK A. HEDGCOCK.

ADVANCED courses in Modern Studies are more difficult to plan than those in the longer established branches of classics, or science and mathematics. For this comparatively new group there are as yet no generally accepted lines of development, and, while considerable variety in details is possible, and even desirable, it is also necessary that the different subjects included should be correlated with one another and should form a homogeneous whole.

The course, though it has, in common with the classics course, the great disadvantage of not fitting in with University degree studies, can easily be made to include pupils, besides those following it for its intrinsic interest, who are preparing for history scholarships and for the too rare scholarships in modern languages; and that all the more easily if the foundation of the course is, as it should be, historical. Whatever æsthetical or moral value the study of a language and literature may have, it cannot have a broad educational value unless it is considered as an inquiry into the evolution of a society, forming part of Western civilization and influenced by the exchanges of thought and commerce between European nations. Whatever discourages insularity is good. The true value of a course of Modern Studies lies in its giving the student a conception of the nations of the modern world, their history, thought, and political relations. If such knowledge were more widely spread, the noble idea of a League of Nations would be more easily realizable than it is at present.

The subjects that must be included in the course are:

- (1) a modern language of Western Europe, with its literature;
- (2) the history relevant to that language, with the history of Great Britain and the United States;
- (3) the study, carried to a less advanced stage, of a second language, or that of

English literature. In most schools the main language chosen will be French. For the second language, many will, no doubt, choose German, carried to the point of ability to read and understand historical and literary texts. Farther it will not be safe to go, for, as we shall see later, the course is heavily charged with work, and the fault, too prevalent in English teaching and absolutely opposed to all true education, of taking up too many subjects and doing none of them thoroughly, should be avoided.

While I sympathize with the desire to secure the foundations of two such useful languages as French and German at school, I believe there is more "advanced" educational profit to be got from a combination of history, French, and English. If the history, civilization, and literature of a foreign country are to be studied with advantage, that can be done only by continually bringing them back for comparison with the history, civilization, and literature of one's own land. To balance a competent knowledge of French literature by a fairly complete ignorance of English literature is to provide a curiously lop-sided education. As English can be included only by excluding German (or Spanish or Italian), it seems best to exclude the latter from the course. Probably in the larger schools more than one choice can be given in this third division of the course.

The general principle that should guide teachers in handling the advanced course is that, while there must necessarily be direction of the studies, with set lectures, correction of work, and individual help by the teachers, the work must, on the whole, be done by the pupils. The masters will not have time always to be teaching; they must train the pupils to collect and assimilate knowledge for themselves. All the work must be active—that is, "effortful." It may be summarized under four heads: (1) direction and suggestion by the teacher, (2) preparation and mental digestion by the pupils, in view of (3) reproduction and personal interpretation, as shown below; followed by (4) discussion in class and criticism by the teacher.

As three-quarters of the school time may be devoted to the group studies, about twenty-six periods may be reckoned, out of an average week of thirty-four, as at our disposal. About ten should be given to History, eleven to French, five to English. French would include—(a) Study of literature; (b) reproduction in oral form (*lecture expliquée*,* discussion, lessons by pupils) or written (essays, *thèmes*, *versions*). But the week should not be shared equally between these two divisions, since plenty of time must often be given to (a) before (b) can be done; moreover, it would overtax both teacher and pupils to ask for a great deal of written work each week. It is better, then, to take a fortnight as the unit; in the first week of this to give, say, seven periods to (a) and four to (b), and in the second to reverse this arrangement. This division of time will need to be modified for candidates for history scholarships; the time given to history will be increased at the expense, probably, of the practical work in French.

The History may be political, constitutional, social, or economic. The object of the course being to give a general knowledge of Modern Europe, it must evidently deal mainly with the political and social aspects. It should be studied, in considerable measure, from French writers: first, for the practice in reading and making notes and summaries from the French text; second, because in such books England enters only as a member of the European family, and so all inclination to exaggerate the importance of purely local matters is avoided.† This arrangement would involve part of the history teaching being taken by the French master, who should certainly be able to

do it; or would call for ability on the part of the History teacher to use a French text; and would, in any case, mean supervision of notes taken in French and correction of French historical essays by the language master.

Each student should have, then, the English textbook or books recommended by his history master; and as a French textbook one of the several excellent series used in French lycées, e.g., those by Malet (Hachette), Jalliffier et Vast (Garnier), or Seignobos (Colin); the two little "Aide-Mémoire," and the "Petite Histoire Contemporaine," by J. Isaac (Hachette) are also very useful. If possible, some volumes of the "Histoire Générale," edited by Lavis and Rambaud, should be in the class reference library beside those of our own Cambridge Modern History; and there, too, should be Rambaud's excellent "Civilisation française" and "Civilisation contemporaine" (Colin).

In French literature also the pupils will require a textbook as guide. This should not be too full and complicated, as are the university manuals of Lanson and Brunetière; nor should it sink to the level of a dull list without reference to the works mentioned. Canat's "Littérature française par les textes" (Delaplane) should meet the case; its constant quotation of the texts explained inculcates the true method of literary criticism, and develops a scientific desire for the truth. But perhaps the best book, if one only is used, will be the "Histoire illustrée de la littérature française," by Abry, Audic, and Crouzet (Didier); its reproductions of contemporary documents and engravings are interesting; it is not too deep, and its critical points are set out with exemplary clearness. Faguet's "Siècles" and other *Essais* should be in the reference library.

Besides a literary history, the student will also require a book of "Morceaux Choisis," not to read entirely, but from which to get connecting ideas of those authors with whose work he has not time to get into closer touch. There is no need to discuss here the views of those superior persons who despise "Morceaux Choisis," and refer to them as "snippets" or "samples." It is certain that to get a first Pisgah-sight of a new land of literature such anthologies are necessary. Of the many collections of "Morceaux Choisis," I much prefer for class use that old French favourite, "Marcou" (Vers, Prose—Garnier). This brings together all the representative pieces that every one ought to know, and others. Moreover, the literary notices are good and to the point.

The editions of French authors used should certainly be entirely in French. It is absurd for pupils who are supposed to be learning to handle the foreign idiom easily, to read their "Introduction and Notes" on a French author in English! I trust that this principle will soon be recognized by English publishing houses, so that we may have editions of foreign authors prepared for the needs of our higher forms in schools and our University classes, and entirely in French. These editions should not be overburdened with explanatory matter. Neither glimpses into the obvious nor learned research into the unnecessary are required. The text, the thought, and the style are the core of the matter. A French series of books that seems admirably adapted for our purpose is that of "La littérature française illustrée" (Didier), which contains many separate pieces of the classical period and many representative volumes of long extracts from later writers.

The linguistic side of our studies can be provided for in the grammatical examination of portions of the texts chosen, and in the oral and written discussions and dissertations on them, with occasional lectures by the teacher on the development of the language. This should not be allowed to narrow into grammatical or philological specialization. Incidentally, of course, the qualities of order and clearness which are characteristic of the French language and literature must be used to develop corresponding qualities in our pupils' minds, so that they may learn to *concevoir bien* and *exprimer clairement*, in the hope of some day being able to apply to themselves the proud saying of Newman: "Every thought I think is thought and every line I write is writing."

The English texts to be studied should be chosen not only

* Useful help and training in this, both for teacher and taught, is provided in Rouston's "Précis d'explication française" (Delaplane), Robert's "Cours de Lecture expliquée" (Colin), and in S. A. Richard's excellent manual (Cambridge Univ. Press).

† I will add, for the sake of those unacquainted with the French school histories I recommend, that they are Histories of Europe; France holds an important place in them, but does not monopolize the stage.

for their own merits, but also on account of their relations with the historical and language work. A Modern Studies course should be homogeneous. Above all, chronological heterogeneity should be avoided. But a closer connexion than that of mere date should be sought. Writings which exerted influence, movements which spread from one country to another, travellers who represented their nation abroad or brought home a knowledge of foreign lands—these should come within the purview of an advanced course. The fascinating story of the relations between those old enemies and admirers, France and England, should be touched on. It is from the point of view of such relations and influences that the appended English course is sketched out; it is, above all, suggestive, and English specialists will probably see omissions to be repaired or substitutions to be made.

For purely linguistic reasons, some French teachers prefer to take the nineteenth century in the first year's programme, the seventeenth and eighteenth later. While I appreciate their reasons, I do not think them valid; and especially in the course as a history of the development of modern Western Europe, chronological order must prevail. In the first year the period 1600–1789 is dealt with; in the second year the nineteenth century. The principal topics to be studied are set out in A (history), and B (French literature); and in C (English literature), some works to be read in correspondence with A and B are suggested. The work for each year is divided into three portions, corresponding roughly to the three terms. It will probably be impossible to read all the books mentioned, but a choice can be made of the most essential and most easily procurable.

Programme (First Year).

A (1).—Summary of the Middle Ages: Formation of the European States existing 1500 A.D. Review of Civilization leading up to the Renaissance. History of Religion, leading up to the Reformation. Attempt of Charles V and Philip II to dominate Western Europe. Absolute Monarchy in France—Richelieu, Mazarin. The Thirty Years' War. Ferdinand III's dream of Pangermanism. Rise of Holland. Attempted Establishment of Absolutism in England: the Stuarts to 1688.

B (1).—Selected "Essais" of Montaigne. The Pléiade, selected poems. School of Malherbe and writers before Corneille from Marcou. Corneille: "Le Menteur," "Le Cid," "Polyeucte."

C (1).—The teacher to use Lee's "French Renaissance in England." Sidney and Spenser. Bacon's "Essays" (influence of Florio's Montaigne). The Early Theatre in both countries: Marlowe and Shakespeare. Influence of Amyot's Plutarch.

A (2).—Le roi soleil—attempted predominance of France down to 1713. Civilization in Western Europe in Seventeenth Century. Eastern Europe: Struggle between Turkey and Austria, Poland and Sweden. Beginnings of Russia and of the Hohenzollerns.

B (2).—Le Grand Siècle. Molière: "L'Avare," "Le Misanthrope." Racine: "Britannicus," "Esther." La Fontaine: "Fables." Portions of Boileau, Bossuet, Sévigné, La Bruyère, Saint-Simon.

C (2).—The teacher to use Charlanne: "L'influence française en Angleterre." Dryden: "Essay on Dramatic Poesy," "All for Love." Pope (cf. Boileau): "Essay on Criticism." Addison: Selected papers from *Tatler* and *Spectator*. Defoe and Swift: Political Pamphlets.

A (3).—Europe from 1715 to 1740. War of the Austrian Succession. Seven Years' War. Rise of British Colonial Power, of United States, of Prussia, of Russia. Eastern Politics: Decay of Turkey and Sweden, Partition of Poland. Civilization in the Eighteenth Century.

B (3).—Decay of Classical Literature. Lesage: "Gil Blas," extracts. Philosophic movement and preparation of the Revolution—Montesquieu: "Grandeur et Décadence des Romains" (cf. Gibbon) or "Les Lettres persanes." Voltaire: "Les Lettres philosophiques," Correspondance (in Lanson's "Lettres du XVIII^e Siècle"), or "Extraits" (Hachette). Rousseau: "Discours sur les Lettres," "l'Inégalité," or "Extraits" (Hachette, Didier).

C (3).—Teacher to use Jusserand's "Shakespeare en France," Texte's "Rousseau et le Cosmopolitisme littéraire," and Babeau's "Les Voyageurs en France." Interchange between France and England (Muralt's "Lettres sur les Anglais et les Français," Abbé Leblanc's "Lettres"); some account of Garrick, Sterne,

Smollett, Goldsmith, Young. Read Chesterfield's "Letters," parts of Walpole's "Letters," Sterne's "Sentimental Journey," Adam Smith's "Wealth of Nations," Sainte-Beuve's *Essays on Madame du Deffand*.

Programme (Second Year).

A (1).—French Revolution. Attempted Predominance of France. Congress of Vienna, Holy Alliance. Reconstruction and Reaction. Growth of Liberal Ideas: Catholic Emancipation, Electoral Reform, Free Trade in England. 1848 in Europe.

B (1).—Chateaubriand: "Mémoires d'Outre-tombe" (parts). Lamartine: "Histoire des Girondins"; or Mignet: "Histoire de la Révolution."

Le Romantisme. Stendhal: "Racine et Shakespeare." Lamartine: Early Poems. Hugo: "Hernani" or "Ruy Blas."

C (1).—Burke's "Reflexions." Wordsworth and Coleridge—Influence of the Revolution, Sonnets against the Revolution.

Byron and Scott. Teacher to use Estève: "Byron et le Romantisme français"; Maigron: "Le roman historique à l'époque romantique."

A (2).—Second Empire in France. Italian Unity, German Unity. Eastern Question: Rise of Balkan States, Partition of Turkey. Crimean War. Colonization of Africa.

B (2).—*Romantisme et Réalisme*. Vigny: Poems and "Cinq Mars." de Musset: Selected Poems. Balzac: "Le Père Goriot," "Eugénie Grandet." Hugo: Selected Poems. Flaubert: "Un Cœur Simple." Augier: "Le Gendre de M. Poirier"; or Dumas fils: "La Question d'Argent."

C (2).—Tennyson and Browning, cf. French Romantics. Carlyle: "The French Revolution."

A (3).—Expansion of the British Empire. The United States in the Nineteenth Century. Latin America. The Great Liberal Powers and the great Empires. Attempted German Predominance. Science in the Nineteenth Century. Civilization of the Nineteenth Century.

B (3).—Realism, Naturalism, Symbolism. Mérimée: "Nouvelles." Daudet: "Jack." Maupassant: Selected "Nouvelles." Zola: "L'Attaque du Moulin" or "Pages choisies" (Colin). Leconte de Lisle. Symbolists from an Anthology; see Eccles, "Century of French Verse" (Constable), with excellent Introduction.

C (3).—The English Novel, cf. French Novel. Teacher to use Cazamian's "Le roman social en Angleterre." Read a novel by Jane Austen (a realist before her time), Dickens, Thackeray, G. Eliot, C. Brontë, Mrs. Gaskell, T. Hardy. Taine: "Notes sur l'Angleterre," or "La littérature anglaise" ("Pages choisies," Harrap). Schérer: "Etudes anglaises et françaises."

For a course like the above a number of books will be needed. It may be necessary in the poorer schools for these to remain school property and to be lent to the pupil at a yearly charge; it would, of course, be better for the pupil to keep them as cherished possessions and the nucleus of an interesting library. The class will also need a small, well chosen collection of reference books. It is time that literature had a larger share in the school budget, on which science has for some time made the greatest claims. If chemical and physical laboratories are necessary although expensive, literary laboratories are no less so.

There can be no doubt that a course on the lines set out would provide a rich education. No mind can hope to embrace the whole circle of knowledge. We must be content with one, or a part of one, of the great divisions: Nature, in its various manifestations, as explained by science and mathematics; the history of the human race in the past, to which the classical languages and ancient history furnish the best key; the study of human activities in our own times, by means of modern history and the principal modern languages. It is the claim of Modern Studies that they can provide a training and a culture equal to that of the other branches; and it is towards that ideal that those who direct them must ever tend.

THE TONIC SOL-FA COLLEGE has issued more than one million certificates and diplomas since its foundation in 1863. This fact was reported to the members of the College at their annual meeting, when Sir Walter Parratt was re-elected president.

TOPICAL SUBJECTS IN THE COMPOSITION LESSON.

By AMY CRUSE.

"GREAT events from little causes spring"; and small things often have their origin in mighty happenings. There is probably no department of national activity, however remote, which the War has not touched. And, now that the great issues are more or less clear before us, we are turning to everyday matters which are our own individual concern, and noting how even here the great force has been at work producing new conditions that must henceforward be reckoned with if the new world—our small piece of it—is to be better than the old.

One of these lesser matters is involved in the larger question, How far has the War affected our national speech? During the past four years we have read the newspapers more diligently than we have ever done before. We have devoured the accounts of special correspondents at the Front; we have thrilled at the pregnant, dignified, restrained phrases in the reports of the great commanders; we have uttered our proud thanksgiving over the brief, almost curt, paragraphs in the *Gazette*, which have told us how heroes do their day's work. We have laughed and cried in a breath at the astounding letters which have been sent from the high seas and from the trenches, and have learnt to recognize in these a distinct style which has made us impatient of the attempts of journalists and bookmakers to imitate and exploit them.

Nevertheless, "war books," containing a mixture of fact and fiction, in varying proportions, have formed a large part of our reading. Words and phrases, borrowed from the vocabulary of the soldier and the sailor, have been assimilated with an astonishing ease and completeness. We have talked about the War constantly; we have heard other people talking about it. It seems only reasonable to expect that all these influences which for four years have been brought to bear upon our language will have had an appreciable result. Has the effect been for good or for evil? Are we as a nation more articulate, able to say what we mean more simply and beautifully? Or has our speech sunk nearer to the slipshod vulgarity of the lower type of newspaper?

It is probably too soon for this question to be answered with any degree of certainty, just as it is too soon to decide whether the War will be followed by a great literary awakening, such as will make our age glorious. But this much, it seems to me, may be said with safety: Our speech *has* been affected, it has become in many respects more malleable, more adaptable, than it was before the War. Children, as well as grown-up people, are readier to "begin again." To-day is the teacher's opportunity. Yesterday the fermenting element was too strongly present; to-morrow the hardening process will have begun. Now is the time to take advantage of the forces that have been at work quickening, invigorating, enriching the language; therefore, the teaching of composition has taken on an added importance. The teacher must study to suit his methods to the new conditions and to enlist on his side the tendencies, practices, and interests which the War has encouraged.

One obvious means to this end lies in the more or less frequent choice of "war subjects" for composition exercises. This need not mean that encouragement is given either to militarism or to boastfulness; the whole matter should be conceived in the nobler spirit of "Lest we forget." Almost every boy and girl at school has something to tell about the war. There are few who have not heard first-hand narratives from father, brother, cousin, or friend; few in whose home the story of some particular deed of bravery has not been told and gloated over until it has become as an household word. The writing out of these stories in school, provided the teacher sees to it that the whole thing is *real*, will be undertaken with eager delight; and the reading aloud of the compositions will give to the author that audience which,

during the war, many of us have desired, but have often had some difficulty in finding.

This is the simplest and most direct form of war exercises; but there are many others that are both valuable and interesting. Passages of prose or poetry of real literary merit, dealing with the war, may form the basis of a great variety of exercises. Take, for example, a paragraph from the *Gazette*, valuable for its suggestiveness and brevity, such as the following, which tells how a chaplain won the D.S.O. :—

For conspicuous gallantry and devotion to duty in volunteering to go with a rescue party for some men who had been left stuck in the mud the previous night between the enemy's outposts and our own. All the men except one were brought in. He then organized a party for the rescue of this man, and remained with him all night, though under rifle fire from close range, which killed one of the party.

The pupils might be asked to tell the story thus summarized, half of them from the point of view of the chaplain, the other half from that of the man who was rescued. Passages from Sir Douglas Haig's and Sir David Beattie's dispatches might be treated in a similar way.

Great use can be made of letters from the front. Take such an extract as the following :—

You probably don't know what a village looks like when it has caught it in the neck. It is a wonderful sight. Each house has chosen its own way of sitting down, and the whole place is all huge pits where the big high-explosive contact shells—Black Maria and her relatives—have burst. It is an extraordinary experience, marching through a place like this for the first time, at night.

The pupils might be asked to write, in the first person, an account of this experience, told by a young private soldier in a letter home. Then there are the delightful letters written by "Uncle John" (Second Lieut. John Small, Black Watch) to his niece Muffie, and published in the *Spectator*. There is the letter in which he compares our flying men to Sinbad the Sailor :—

Each of them is a complete Sinbad in himself. His aeroplane is a great live Roc, though it is hatched in a factory. And he ties himself underneath it while it is standing on the ground—just also as Sinbad did. Then away it flies with him into the limitless blue. Like old Sinbad, our airman has an Old Man of the Sea hanging round his neck. It is the force of gravity pulling him towards the earth, and, like Sinbad, he drugs the Old Man with a spirit: but it isn't fermented grape juice—it's petrol.

And so on through the story. The pupils might be allowed to read "Sinbad the Sailor," and then asked to develop this idea fully.

Passages suitable for exercises in paraphrasing are not difficult to find. Herbert Asquith's beautiful epitaph on "The Volunteer" would surely rouse any class to enthusiastic effort :

Here lies a clerk who half his life had spent
Toiling at ledgers in a city grey,
Thinking that so his days would drift away
With no lance broken in life's tournament.
Yet ever 'twixt the books and his bright eyes
The flaming eagles of the legions came,
And horsemen, charging under phantom skies,
Went thundering past beneath the oriflamme.

And now those waiting dreams are satisfied.
From twilight into spacious dawn he went.
His lance is broken; but he lies content
With that high hour in which he lived and died.
And, falling thus, he wants no recompense,
Who found his battle in the last resort;
Nor needs he any hearse to bear him hence
Who goes to join the men of Agincourt.

An ordinary paraphrase of this passage might be asked for, or the class might apply it to the experience of a particular person whom they have known. Emile Cammaerts' "Le Vieux Paysan," which is worthy of study as well for the simplicity and beauty of its French as for the poignancy of the sentiment it expresses, would afford another example :

Il est un vieux paysan,
A cent pas des lignes ennemis,

Qui n'a pas quitté son champ
Comme il ne peut travailler le jour.
Tel un oiseau nocturne
Il ne travaille plus que la nuit
Avec patience, avec amour.
La bouche close, l'œil taciturne.
A cent pas des lignes ennemis. . . .

Sometimes the process could be reversed, and a prose passage given to be turned into verse. There are many stories told in Sir Henry Newbolt's "Submarine and Anti-Submarine" which would supply the material for a spirited ode. Or, in another vein, some such passage as that which concludes Donald Hankey's "Of Some who were Lost and afterwards were Found" might be chosen.

But, if they lived amiss, they died gloriously, with a smile for the pain and the dread of it. What else had they been born for? It was their chance. With a gay heart they gave their greatest gift, and with a smile to think that, after all, they had anything to give that was of value. One by one Death challenged them; one by one they smiled in his grim visage and refused to be dismayed. They had been lost, but they had found the path that led them home; and when at last they laid their lives at the feet of the Good Shepherd, what could they do but smile?

In connexion with the history lesson, the class might be asked to describe a visit of the shade of the Black Prince, Philip of Spain, Marlborough, or Wellington (according to the period taken), to the battlefields of France and Flanders, or of Blake or Nelson to the North Sea. Of imaginative exercises, a whole series will suggest themselves: the experiences of a London bus that has been used as a transport-waggon, or of a fishing-boat converted into a mine-sweeper; what a London chimney-pot saw of an air-raid; a dialogue between a sea-gull and a swallow concerning the aeroplanes they have seen; what the animals on a farm thought of the "land girl."

It is a long way from the Great War to school composition exercises. But the Great War was fought mainly for the sake of the generation of our children, and so there is really nothing incongruous in seeking help from it to teach English boys and girls to speak their mother tongue clearly, simply, and beautifully.

CORRESPONDENCE.

THE EDUCATION ESTIMATES.

To the Editors of The Journal of Education and School World.

SIRS,—The Education Estimates for 1919-20 contain, *inter alia*, a proposal to endow secondary education in England with the sum of £1,790,660. Taking the established method of computing grants, Ireland's share should be 9/80ths of England's, and thus Ireland is entitled to about £200,000.

Now, Ireland gets for her intermediate education the following voted sums:—(1) A fixed sum of £46,500 (to replace the "whisky money"); (2) the Teachers' Salaries Grant (1914), £40,000; and (3) the fees paid by the Department of Agriculture and Technical Instruction for the Teaching of Science, £30,000; making in all £116,500. There is consequently a balance due of £83,500. Adding to this the cost of administration, inspection, and examination (which is borne in England by the Treasury, but not in Ireland), £27,000, we find the total deficit to be about £110,500.

On his appointment as Minister of Education, Mr. Fisher secured vastly increased grants for all forms of education, and Ireland was voted, in February 1919, an "Equivalent" grant of £50,000. In the Estimates before me the amount of this grant remains unchanged, despite the fact that English Secondary Education gets an increase of £220,000. The shortage in Irish Intermediate Education Grants is thus about £60,000. This is treating Ireland with deliberate parsimony. No one questions the wisdom of voting huge sums of money for all forms of education in England, Scotland, and Wales, but Irish Intermediate Education, at all events, is treated on the old cheeseparing method. All sections of interested opinion should with one voice demand equitable treatment in this matter, and, on behalf of the members of my Association, I enter an emphatic protest.

The cost of living in the past four years has risen by over 100 per cent. The minimum salaries of lay teachers in Irish intermediate schools was fixed by Mr. Birrell's Act of 1914 at £140 per annum. The minimum fixed under Mr. Fisher's Equivalent Grant of 1919 was £160 per annum—an increase of 14 per cent. Further, the majority of the teachers for whom I speak have, during the period of the War, received nothing in the shape of a bonus. I need not labour that aspect of the situation.

I would, then, strongly urge, pending the proposed readjustment of Irish education, that when the Estimates come up for ratification something be done to secure for Ireland added grants more nearly resembling her admitted proportion of moneys voted for education, and that, in the interests of justice and fair play, the minimum salaries be raised to, say, £190 or £200 per annum, so as to be more in keeping with present-day conditions.—I am, Sirs, &c.,

T. J. BURKE,

Chairman, Association of Secondary Teachers, Ireland.

Blennerville, Tralee.

ROADS OF REMEMBRANCE.

To the Editors of The Journal of Education and School World.

SIRS,—May I be permitted to bring to the notice of readers a subject akin to that of War Memorials, but with an even wider significance—namely, "Roads of Remembrance," the practicability of which has been authoritatively attested? Though inherent in its conception is the general improvement of highways, yet primarily, and in origin, its purpose is to urge the planting of trees, especially memorial trees, wherever possible—singly, in line, or groves; but preferably (not essentially) along suitably wide roads, where all may see, remember, and enjoy. By whom more fittingly could the trees be planted than by relative, schoolfellow, or friend of the dead sailor or soldier? And when more suitably than on Armistice (or "Arborstice") Day?

For highway planting the co-operative sanction of the Local Authority (through the surveyor) and of property owners should be sought, and with no less tact than zeal. Possibly, "for remembrance," a strip of wayside land, or land at a dangerous corner, may be secured, and the planting done there; or possibly the trees may be planted within the hedge. To those who look for ward half a thousand years there could be no work of man more eloquent than a line, or avenue, of oaks. But the primary interest of agriculture must be considered, and this imposes the delightful alternative of small trees for blossom and fruit—a compliment which Nature-study children surely deserve; remembering, however, that there are inedible varieties for those who fear temptation.

Teachers in boys' and girls' schools are invited to co-operate and correspond.—Yours faithfully,

M. H. MORRISON,

Hon. Secretary, "Roads of Remembrance."

47 Victoria Street, London, S.W.1.

THE SUPPLY OF GEOGRAPHICAL SLIDES.

To the Editors of The Journal of Education and School World.

SIRS,—An article that appeared in your April issue on the supply of geographical slides has suggested to me that some of your readers may be glad to know of the valuable aid afforded by the Victoria League in the study of the geography of the British Empire. For an annual affiliation fee of 5s. schools may obtain the loan of lantern slides, with lecture notes, of stereographs and stereographic pictures, and of collections of specimens of products and manufactures. Another advantage is the use of a good lending library of books, dealing with the history and geography of the Empire. Correspondence links with schools overseas are also arranged. Full particulars may be obtained from the Secretary of the Victoria League, King's Court, 48 The Broadway, Westminster, S.W.1.—Yours faithfully,

E. R. BROOME.

(Representative of the Association of Head Mistresses on the Victoria League Education Committee.)

County School, Enfield.

THE Association for the Reform of Latin Teaching has arranged a summer school this year at Oxford from September 2 to 9. Demonstration classes, oral and phonetic group practice, Latin author reading classes, and lectures on method, archaeological aids, &c., will be provided. Full particulars can be obtained from Mr. Nigel O. Parry, 4 Church Street, Durham.

UNIVERSITIES AND SCHOOLS.

UNIVERSITY NOTES.

London University has recently extended its facilities for the study of modern languages by the addition of courses specially designed to increase the supply of teachers. The Senate have now approved of a scheme for the foundation of an Institute of Phonetics, of which the existing department at University College, where much valuable work has been done already, will be the nucleus. It is hoped that the Committee which has been constituted for the purpose will succeed in attracting the support of the public to a project which is deserving of all success.

Manchester University, too, has nearly completed its arrangements for providing similar facilities. The department of Russian continues to grow: an entrance scholarship, awarded for the first time last summer, will be again offered in 1919, and, as a further step, a series of public lectures by experts in Russian subjects has been arranged for the present session. A committee has been formed to raise a fund for the institution of a Chair of Italian and a Department of Italian Studies in the University. Mr. Arthur Serena has promised £5,000 on certain conditions, which include the completion of a sum of £10,000, of which his own contribution is reckoned a part. £8,500 has been raised already. The Report on Modern Studies issued last year deplored the lack of adequately trained teachers of modern languages; the Universities seem to be attempting to make provision for this need, which is second only to that for a larger supply of science teachers.

Thanks to a generous endowment, provided in memory of his son by Sir J. E. Jones, Manchester has just adopted a scheme for the training of teachers for the deaf. To the lectureship in connexion with this scheme, Miss Goldsack, mistress in charge of the Worrall School for the Deaf, and previously mistress at the Royal Schools for the Deaf, has been appointed. A "certificate for teachers of the deaf" will be awarded to students who take the usual four years' education course, which includes one year under this scheme; to teachers who take this year, in addition to the ordinary three years at any other approved University; or to teachers, already trained and certificated, who spend another year in training for this certificate.

The controversy over the study of Greek at Oxford has been anxiously followed by educationists, particularly by those connected with our public schools, because of the close relationship between the latter and the University. In view of what has taken place at the older University, it is interesting to note how a younger institution, Manchester, is attempting to solve a similar difficulty. There, a reorganization of its Classical Honours course will take effect at the beginning of next session. *Two separate*, but interrelated, schools in Greek and in Latin respectively have been created. A student who wishes to specialize in one will thus be free to do so, on condition that he reached a pass standard in the other. In this way the more numerous type of secondary school in which the study of Latin, but not of Greek, is carried to the end of the school career is catered for. No student ignorant of Greek can give adequate instruction in Latin language and literature; but this scheme enables such a student to devote the bulk of his time to his favourite language.

The authorities of Manchester University are evidently offering increased inducements to would-be teachers. Yet, if an analysis of the latest figures relating to students now enrolled is any guide to the state of affairs at other Universities, there is little sign of the increased supply which Mr. Fisher hopes may be forthcoming. In 1913 there were 1,537 students, of whom 1,015, nearly 70 per cent., were in faculties other than medicine and technology (from which teachers are not drawn). Thanks to the War, in 1917 the numbers had dropped to 871, of whom 498 were in teacher-supplying faculties. At the beginning of this session, whereas the total had risen to 1,036, only 531—about 50 per cent.—were in these faculties. These figures are far from conclusive evidence; they do suggest, however, that, at Manchester at least, entrants to the University do not consider that the conditions of service in the teaching profession afford prospects sufficiently good to induce them to make education their life work.

CAMBRIDGE.

The British oil companies have agreed to join together in a scheme for endowing a Chemical School at Cambridge. The Burma Oil Company have agreed to contribute £50,000; the Anglo-Persian Oil Company, £50,000; the Anglo-Saxon Petro-

(Continued on page 376.)

TUITION BY POST.

Practical Training in

SHORTHAND,

BOOK-KEEPING AND ACCOUNTANCY,

COMMERCIAL PRACTICE, BANKING,

ADVERTISING, COMMERCIAL LAW.

PITMAN'S POSTAL COURSES are admirably adapted for teachers who are unable to take advantage of the ordinary facilities for receiving oral instruction, but desire to qualify in commercial subjects. Each lesson is a full exposition of that part of the subject covered. One course, or any group, may be commenced at any time, and from any stage of present knowledge.

Write for details, stating the subjects in which you are interested.

Pitman's School
BUSINESS SECRETARIAL & CIVIL SERVICE TRAINING

The Leading Teachers' Training Centre in the Kingdom for Commercial Subjects.

Principal: FREDERICK HEELIS, F.R.S.A.,

169 SOUTHAMPTON ROW, LONDON, W.C.1.

Seven London Branch Schools, and at Bristol and Leeds

SCHEME FOR TEACHERS

providing Life Assurance, Capital for purchasing Schools or Partnerships, and Income on Retirement.

THE FRIENDS' PROVIDENT INSTITUTION

having made a special study of Educational Requirements offer an adaptable form of Policy suitable for either men or women.

FREEDOM FROM INCOME TAX

in respect of the amount paid in premiums.

For particulars send a post card, giving date of birth, to:—

THE LONDON MANAGER,
FRIENDS' PROVIDENT INSTITUTION
17 Gracechurch St., London, E.C.3.

A SELECTION FROM METHUEN'S EDUCATIONAL LIST

Announcement List and Catalogues sent on application

THE PLAY-WORK BOOK. By ANN MACBETH, author of "Needlecraft." With 114 Illustrations. 2nd Edition. Crown 8vo. 3s. 6d. net.

THE MODERN OFFICE. By J. STEPHENSON, M.A., M.COM. (Vict.), B.Sc. (Lond.), Head of the Higher Commercial Department, Business Training School, Polytechnic, W. Crown 8vo. 3s. 6d.

SCHOOL EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Crown 8vo. 3s. and 3s. 6d. per volume; Keys, 3s. 6d., 5s., 6s., and 7s. 6d., all net. French, Latin, Greek, German, General Knowledge, Trigonometry, Arithmetic, Logarithms, Mensuration and Book-keeping Examination Papers with Keys. History and Geography. Physics. English History.

THE BEGINNER'S BOOKS. Edited by Canon WILLIAMSON, B.A. Fcap. 8vo. Prices 1s. 6d., 1s. 9d., and 2s. 3d. per volume. Easy French Rhymes. Easy Stories from English History. Stories from Roman History. Stories from the Old Testament. Stories from the New Testament. First Course in English. First History of Greece. Easy Exercises in Arithmetic. Easy Dictation and Spelling. Easy Poetry Book.

JUNIOR EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Fcap. 8vo. 1s. 6d. each volume. Keys, 5s. net each. Scripture (Old and New Testament). French. English. Arithmetic. Algebra. Greek. Latin and Key. General Information and Key. Geography. German. History.

JUNIOR SCHOOL BOOKS. Edited by O. D. INSKIP, LL.D., and Canon WILLIAMSON, B.A. Crown 8vo. Prices 2s. 3d., 3s., 3s. 6d., and 4s. per volume. Dictation Passages. Kings. St. Matthew. St. Mark. St. Luke. Apostles. English Grammar. Greek History. Latin Prose. German Grammar. Science. Physics. Chemistry. French Grammar. French Prose. Geometry. Latin Grammar. English Literature.

BY EDMUND SELOUS

TOMMY SMITH'S ANIMALS. 15th Edition.

TOMMY SMITH'S OTHER ANIMALS. 7th Edition.

TOMMY SMITH AT THE ZOO. 2nd Edition.

TOMMY SMITH AGAIN AT THE ZOO. 2s. 9d. each. Each Fcap. 8vo.

LANGUAGE AND LITERATURE

HIGHER ENGLISH. By F. J. RAHTZ, M.A., B.Sc. Author of "Junior English." 12th Edition. Crown 8vo. 6s.

A CLASS-BOOK OF DICTATION PASSAGES. Selected by Canon WILLIAMSON, B.A. 21st Edition. Crown 8vo. 2s. 3d. [*Junior School Books.*]

ENGLISH LITERATURE. By F. J. RAHTZ, M.A., B.Sc., 3rd Edition. Crown 8vo. 3s. 6d.

FIRST FRENCH LESSONS. By A. M. M. STEDMAN, M.A. 13th Edition. Crown 8vo. 1s. 6d.

A SCHOOL LATIN GRAMMAR. By H. G. FORD, M.A. 4th Edition. Revised. Crown 8vo. 4s. [*Junior School Books.*]

INITIA LATINA. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 16th Edition. Fcap. 8vo. 1s. 6d.

HISTORY

A HISTORY OF ENGLAND. In Seven Volumes. Edited by CHARLES OMAN, M.A. With Maps. Demy 8vo. 12s. 6d. net each volume. England before the Norman Conquest: under the Normans and Angevins: in the Later Middle Ages: under the Tudors: under the Stuarts: under the Hanoverians: since Waterloo.

A SHORT HISTORY OF ROME TO THE DEATH OF AUGUSTUS. By J. WELLS, M.A. With 3 Maps and 4 Plates. 16th Edition. Crown 8vo. 6s.

A JUNIOR HISTORY OF GREAT BRITAIN. By E. M. WILMOT-BUXTON, F.R.Hist.S. 4th Edition. Crown 8vo. 3s. 6d.

THE INDUSTRIAL HISTORY OF ENGLAND. By H. DE B. GIBBINS, Litt.D., M.A. With Maps and Plans. 23rd Edition. Crown 8vo. 5s.

THE RE-MAKING OF MODERN EUROPE, 1789-1897. By J. A. R. MARRIOTT, M.A. With 10 Maps. 10th Edition. Crown 8vo. 6s.

MAKERS OF EUROPE. Outlines of European History for Middle Forms. By E. M. WILMOT-BUXTON, F.R.Hist.S. With 12 Maps. 16th Edition. Crown 8vo. 5s.

A SHORT HISTORY OF ROME TO THE DEATH OF AUGUSTUS. By J. WELLS, M.A., Warden of Wadham College, Oxford. With 3 Maps and 4 Plates. 16th Edition. 6s.

A CONSTITUTIONAL AND POLITICAL HISTORY OF ROME. By T. M. TAYLOR, M.A., Fellow of Gonville and Caius College, Cambridge. 4th Edition. 8s. 6d.

MATHEMATICS

EASY EXERCISES IN ARITHMETIC. Containing 5,000 examples. By W. S. BEARD. 10th Edition. Fcap. 8vo. Without Answers, 1s. 9d. Answers, 1s. net. [*Beginner's Book.*]

A NEW JUNIOR ARITHMETIC. By H. BOMPAS SMITH, M.A., Head Master of King Edward VII School, Lytham. Fourth Edition. Crown 8vo. With Answers, 4s. Without Answers, 3s.

EASY TEST PAPERS IN ARITHMETIC AND ALGEBRA. Arranged by W. S. BEARD, sometime a Master at Christ's Hospital. Crown 8vo. 1s. 6d. Answers, 1s. 6d.

CHEMISTRY

THE COMPLETE SCHOOL CHEMISTRY. By F. M. OLDHAM, M.A. With 125 Illustrations. 12th Edition. Crown 8vo. 7s. 6d.

EXAMPLES IN PHYSICS. By C. E. JACKSON, M.A. 4th Edition. Crown 8vo. 5s.

ELEMENTARY CHEMICAL THEORY. By J. M. WADMORE, M.A., Senior Science Master at Aldenham School. With Diagrams. Crown 8vo. 5s.

A TEXT-BOOK OF INORGANIC CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College, Author of "Outlines of Physical Chemistry." With many Diagrams. 3rd Edition. Crown 8vo. 8s. 6d.

OUTLINES OF PHYSICAL CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College. With many Diagrams. 6th Edition. Crown 8vo. 7s. 6d.

PHYSICO-CHEMICAL CALCULATIONS. By JOSEPH KNOX, D.Sc., Lecturer on Inorganic Chemistry, Aberdeen University. 2nd Edition. Crown 8vo. 4s. 6d.

TECHNOLOGY

CARPENTRY AND JOINERY. By F. C. WEBBER, Chief Lecturer to the Building Trades Department of the Merchant Venturers' Technical College at Bristol. With 176 Illustrations. 6th Edition. Crown 8vo. 6s.

ELECTRIC LIGHT AND POWER. By E. E. BROOKS, B.Sc. (Lond.), Head of the Department of Physics and Electrical Engineering, Leicester Municipal Technical School, and W. H. N. JAMES, A.R.C.S., A.M.I.E.E., Lecturer in Electrical Engineering, Municipal School of Technology, Manchester. With 17 Plates and 230 Illustrations. 5th and Revised Edition. Crown 8vo. 6s. 6d.

ENGINEERING WORKSHOP PRACTICE. By CHARLES C. ALLEN, Head of the Department of Engineering, Technical Institute, Auckland. With 152 Illustrations. 4th Edition. Crown 8vo. 5s.

AN INTRODUCTION TO THE STUDY OF TEXTILE DESIGN. By ALDRED F. BARKER, Head of the Textile Department, Bradford Technical College. With numerous Illustrations and Diagrams. 2nd Edition. Demy 8vo. 8s. 6d.

METHUEN & CO., LTD., 36 Essex Street, London, W.C.2

leum Company, £50,000; and Lord Cowdray and the Hon. Clive Pearson between them £50,000, making the total of £200,000 which is required. Mr. Deterding, who has taken very great interest in the scheme from the beginning, has offered to make the £200,000 into guineas by adding a personal contribution of his own of £10,000.

WALES.

The financial outlook of the University has been improved considerably by the announcement recently made by the President of the Board of Education, that the Advisory Committee on University Grants propose to recommend to the Treasury the payment of largely increased annual grants to the three University Colleges. In the case of Cardiff, the new grant will amount to £18,000, together with a non-recurrent grant of £3,500 to meet the abnormal conditions due to the War. In the case of Aberystwyth, the additional annual grant amounts to £6,000 and the special grant to £3,000. Bangor College will receive the same increase in the annual grant, with a non-recurrent grant of £2,500. It is also understood that, as all the counties have agreed to the levying of an additional penny rate for University education, the Government are now prepared to provide the sum of £50,000, which is the equivalent to the total which the rate is expected to reach. The University will therefore benefit to the extent of £100,000, which is the sum originally estimated as necessary to meet the demands of the Royal Commission, though a subsequent consideration of the finances of the University has shown that the sum is still inadequate for the purpose, owing mainly to the depreciation in the value of money.

At the half-yearly meeting of the Court of Governors at Aberystwyth College, Mr. A. E. Zimmern was appointed to the Wilson professorship of international politics, recently founded by Major D. Davies, M.P., and his sisters. Prof. Fleure was also appointed professor of geography and Prof. Stapleton to the Chair of agricultural botany. A generous gift of £10,000 was made by Mr. L. Phillips, of Llanstephan House, Radnorshire, together with an annual sum of £1,000 for ten years, towards the founding of a plant-breeding institute, in which the study of grasses and the growth of cereals in Wales could be promoted.

This Federation consists of representatives of Education Com-

Federation of Education Committees.

mittees and their officials, and they meet periodically to discuss different aspects of education in Wales. The last meeting was held at Llandrindod Wells on May 8, and was well attended. Representatives of Local Authorities in the two important counties of Glamorgan and Monmouth forwarded a resolution to the effect that the time had now arrived when the Board of Education should seriously take into consideration "the advisability of establishing a uniform scale of salaries for teachers in Wales and Monmouthshire." Though the motion was strongly supported by Mr. T. W. Berry, of the Rhondda, where the salary question has recently attained so much notoriety, and by others, the feeling of the Federation as a whole was in opposition to the proposal. The difficulty of formulating a scheme for all types and sizes of schools was so great that, in the opinion of many members, it was useless to proceed with it. On the other hand, the present haphazard system is so unsatisfactory and inequitable that some drastic measure will be necessary before long, and therefore it was an act of wisdom on the part of the Federation not to reject the proposal outright. It will be considered again at a future meeting. It is also interesting to note that a similar movement is on foot in Cardiganshire. A highly influential and representative meeting of members of Education Committees and teachers has met to discuss the ever-present salary question, and it was resolved to urge the formation of a "national scale." It seems to be the only chance of a reasonable living wage for the vast majority of the rural teachers of Wales, for so far, in spite of much agitation, their lot has not been appreciably improved.

Mr. T. J. Rees, Director of Education for Swansea, read a paper on the formation of new schemes under the new Education Act, in which he summarized the recent pamphlet issued by the Welsh Department, where the special needs of Wales are emphasized. Most of the Welsh authorities are taking steps in this direction.

The following meetings were held at the University College, Aberystwyth:—April 23, a business meeting, in which the discussion of the policy and programme of the Branch was opened by Miss A. Ffoulkes, of the Appointments Board for Wales. April 24: After the election of officials, committee, &c., the

(Continued on page 380.)

VACANCIES IN SCHOOLS

IMPORTANT

So many Schools at present being full, some with long waiting lists, it will be an assistance to us, in dealing with the large number of inquiries daily received, if Principals likely to have vacancies for the next two terms will notify us as early as possible.

J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON. E.C.4. Telephone: Central 5053.

IMPORTANT EDUCATIONAL BOOKS

Second large Edition in the Press.

THE PLAY WAY.

An Essay in Educational Method.

By H. CALDWELL COOK, M.A.

Demy 8vo, Illustrated from Photographs. **8s. 6d. net.**

"The book is of the first rank, and we feel that our duty at the moment, is to secure that it should be singled out for close study by all who are prepared to revise their methods when fresh light is presented."—*The Journal of Education*.

THE PEOPLE OF ENGLAND.

A Social History for Schools.

By STANLEY LEATHES, C.B., M.A.

Vol. I. **THE PEOPLE IN THE MAKING.**

From the Earliest Times to the Invention of Printing.

Vol. II. **THE PEOPLE IN ADVENTURE.**

To the French Revolution.

Each volume 320 pp., with over 100 Illustrations. **3s. 6d. net.**

"We hope that Mr. Leathes's work, besides delighting the child with its unfailing fertility of interest, may stimulate the teacher to make such methods his own. . . . The pictorial illustrations are many and well chosen."—*Times*.

HEINEMANN'S SCIENCE MANUALS.

INTRODUCTORY ELECTRICITY AND MAGNETISM.

By CARL W. HANSEL, B.Sc.

Over 300 Illustrations and Diagrams. Crown 8vo. **4s. 6d. net.**

A complete first course in electricity and magnetism based upon actual experiment, and embracing the recent changes and recommendations of the Board of Education's new syllabus.

A FIRST-YEAR COURSE IN GENERAL SCIENCE.

A Combined Text-book and Note-book.

By E. A. GARDINER, M.A., F.C.S.

3s. 6d. net.

This book presents an experimental course of general elementary science, and is an attempt to save time for the boy and labour for the teacher. It is divided into three sections:—I, Simple measurements. II, Some Common Apparatus and Instruments. III, Properties of Water and Air.

EXPERIMENTAL DOMESTIC SCIENCE.

By R. H. JONES, M.Sc., F.C.S.

With over 80 Illustrations and Diagrams. Crown 8vo.

2s. 6d. net.

This book provides a suggested course for Domestic Science Schools and Girls' Schools generally, based upon the view that Science can be directly and adequately taught in the Kitchen. The chief scientific principles in their application to domestic subjects are made clear by drawing upon everyday experience, and by the aid of kitchen utensils and commodities.

EXPERIMENTAL MENSURATION.

An Elementary Text-book of Inductive Geometry.

By H. S. REDGROVE, B.Sc. (Lond.), F.C.S.

2/6 net.

The special feature of this book is the combination instead of the usual separation of Elementary Geometry, Trigonometry, and Mensuration. It is suitable for first and second year students of Technical Schools.

NOTE.—Mr. Heinemann will be glad to hear from teachers who have manuscripts on educational matters which they desire to publish.

The Only Authorised Books on the Montessori Method

THE MONTESSORI METHOD.

By DOCTOR MARIA MONTESSORI.

Illustrated. **8s. 6d. net.**

In this book Dr. Montessori gives a clear explanation of her method and the principles upon which it is based.

DR. MONTESSORI'S OWN HANDBOOK.

A Manual for Teachers and Parents.

5s. net.

As a supplement to her larger book on the Method, Dr. Montessori has produced this explanatory manual, which is invaluable for all teachers.

A New Montessori Book.

THE ADVANCED MONTESSORI METHOD.

By DR. MARIA MONTESSORI.

Vol. I. **SPONTANEOUS ACTIVITY IN EDUCATION.** **8s. 6d. net.**

Vol. II. **THE MONTESSORI MATERIAL FOR CHILDREN UP TO ELEVEN YEARS.** **12s. 6d. net.**

"A contribution to scientific pedagogy such as we have not had since the institution of the kindergarten eighty years ago."—*School Guardian*.

A COMMON-SENSE ALGEBRA.

By ASA BURNISTON, L.C.P. (Hons.).

1s. 6d. net. With Answers, **2s. net.**

Suitable for use in the Upper Classes of Elementary Schools, in Evening Schools, and in the Lower Forms of Secondary and Technical Schools. An extremely useful and enlightened introductory algebra.

ELEMENTARY BUSINESS TRAINING.

By V. H. ALLEMANDY.

Crown 8vo. **3s. net.**

This book is intended for use in the Upper Classes of Elementary Schools and in Commercial and Evening Classes.

THE BRITISH ISLES.

By A. B. ARCHER, M.A.

Illustrated. **2s. 6d. net.**

This is the first book in a new series, forming a Secondary School course in Geography, and is suitable for the Lower Middle Forms.

AVENTURES ET MERVEILLES.

A Simple French Reader for Junior Forms.

By C. V. CALVERT, B.A.

Crown 8vo. 300 pp. Illustrated. **2s. 6d. net.**

FRENCH TRANSLATION AND COMPOSITION.

By H. J. CHAYTOR, M.A., and E. RENAULT, B.A.

Crown 8vo. **2s. net.**

SCIENCE AND EDUCATION.

Edited, with an Introduction, by Sir RAY LANKESTER.

1s. 6d. net.

This volume contains seven lectures which were delivered by Whewell, Faraday, Latham, Daubeny, Tyndall, Paget, and Hodgson before the Royal Institution in 1854.

LONDON: WILLIAM HEINEMANN, 20-21 Bedford St., W.C.2.

Mr. EDWARD ARNOLD'S LIST.

ENGLISH.

- Arnold's English Literature Series.** 2s. 6d. each.
- | | |
|---------------------|--------------------------|
| Harold. | Tale of Two Cities. |
| David Copperfield. | Ivanhoe. |
| Old Curiosity Shop. | Westward Ho! |
| Dombey and Son. | Cloister and the Hearth. |
| Pickwick. | Hereward the Wake. |
| Lorna Doone. | |
- Arnold's Literary Reading Books.**
- | | |
|---------------------------------|--|
| In Golden Realms. 2s. 3d. | The Greenwood Tree. 2s. 3d. |
| In the World of Books. 2s. 6d. | Tellers of Tales. 2s. 3d. |
| Rambles in Bookland. 2s. 3d. | Shakespeare's Stories. 3s. |
| Chips from a Bookshelf. 2s. 3d. | Stories from "The Earthly Paradise." 2s. 3d. |
| Master Folk. 2s. 6d. | The Storied Past. 2s. 6d. |
| Far Afield. 2s. 6d. | The Tree of Empire. 2s. 6d. |
- Lee's Selections from English Literature.** Books I and II, 2s. 6d. Books III and IV, 3s.
- The Arnold Prose Books.** Each contains selections from one author. 24 Vols. Paper, 4½d.; cloth, 8d.
- The Laureate Poetry Books.** Books 1-7, Miscellaneous; Books 8-40, each containing one Poet. Paper, 4½d.; cloth, 8d.
- Arnold's School Shakespeare.** All the Plays read in schools. Prices 1s. 6d. and 2s. each.
- Arnold's British Classics for Schools.**
- | | |
|------------------------------------|-------------------------------|
| Paradise Lost, I and II. 1s. 6d. | Lay of the Last Minstrel. 2s. |
| Paradise Lost, III and IV. 1s. 6d. | Lady of the Lake. 2s. 3d. |
| Marmion. 2s. 6d. | Childe Harold. 3s. |
| | Macaulay's Lays. 2s. |
- Selections from Matthew Arnold, Tennyson, Longfellow.** Each in One Vol. 2s. each.
- Stobart's Epochs of English Literature.** 2s. 6d. each.
- | | | |
|-----------------|------------|----------------|
| 1. Chaucer. | 4. Milton. | 7. Johnson. |
| 2. Spenser. | 5. Dryden. | 8. Wordsworth. |
| 3. Shakespeare. | 6. Pope. | 9. Tennyson. |
- Baines's Short History of English Literature.** 6s.
- Laureata and the Post's Realm.** Two famous collections of Poetry for Schools. 2s. 3d. each Vol.
- The Britannia Poetry Book.** 1s. 4d.
- A Junior Book of Poetry.** 1s.
- English Narrative Poems.** 2s. 6d.

COMPOSITION, &c.

- Arnold's Junior English Composition.** 1s. 8d.
- Kenny's Composition from English Models.** Book I, 1s. 8d. Book II, 2s. 6d.
- Arnold's Composition Lessons.** Books I-III, 3d. each; IV-VI, 4½d.
- Kenny's Exercises in Composition.** I-III, 5d. each.
- Arnold's Junior English Grammar.** 2s.
- Essay Writing.** By G. KENDALL, M.A. 2s. 6d.
- First Précis Book.** By G. A. F. CHATWIN. 3s.
- Précis Writing and Reproduction.** By W. J. GRIFFITH, M.A. 3s.
- Précis Writing.** By E. A. BELCHER. Second Series. 2s. 6d.

HISTORY.

- Junior History of England.** By Prof. OMAN, M.P., and M. OMAN. 3s. 6d.
- Arnold's Florin English History.** By C. E. HAWKESWORTH, M.A. 2s.
- Oman's History of England.** Complete, 7s. 6d. Parts I and II (dividing at 1603), 4s. 6d. each. Division I (to 1307), 2s. 6d. II (1307-1688), 3s. 6d. III (from 1688), 4s.
- Social and Industrial History of England.** By Dr. F. W. TICKNER. Complete, 7s. 6d. Parts I-III, 3s. each.

HISTORY—(continued).

- Scenes from European History.** By G. B. SMITH. 2s. 6d.
- Outlines of European History, 1814-1914.** By G. B. SMITH. 3s. 6d.
- The Last Century in Europe, 1814-1914.** By C. E. M. HAWKESWORTH. 7s. 6d.
- A General History of the World.** By OSCAR BROWNING, M.A. I—Ancient, 3s. 6d. II—Medieval, 3s. 6d. III—Modern, 3s. 6d. Complete in One Vol., 7s. 6d.
- The Ancient World.** By C. DU PONTET, M.A. 6s.
- The Days of Alkibiades.** By C. E. ROBINSON, M.A. 6s.
- Builders of History.** 6 Vols. 1s. 4d. each.
- Jerusalem under the High Priests.** By E. R. BEVAN, M.A. 7s. 6d. net.
- Lessons in Old Testament History.** By the Ven. A. S. AGLEN. 4s. 6d.

GEOGRAPHY.

- Arnold's Junior Geography.** 1s. 8d.
- Arnold's New Shilling Geography.** 1s. 8d.
- A Class Book of Geography.** By A. W. ANDREWS. 7s. 6d.
- Arnold's Modern Geographies.** I, England and Wales; II, The British Isles. 9d. each.
- Outlines of Physiography.** By Prof. A. J. HERBERTSON. 4s.
- The London School Atlas.** 1s. 6d., 2s. 6d., and 3s.
- Practical Atlas of the British Isles.** 8d. net.

FRENCH.

- First Lessons in French.** By M. BAGULEY. [*In the press.*]
- French à la Française.** By Lady BELL and Mrs. TREVELYAN. Book I, 10d.; II and III, 1s. each.
- French Without Tears.** By Lady BELL. Book I, 10d.; II, 1s.; III, 1s. 3d.
- Arnold's Modern French Course.** By H. L. HUTTON, M.A. Book I, 2s. 6d.; Book II, 3s.
- Arnold's Lectures Françaises.** Illustrated. Book I, 2s.; Books II-IV, 2s. 6d. each.
- Petite Grammaire Française.** By E. RENAULT. 2s.
- Grammaire Française.** By E. RENAULT. 5s.
- Exercices in French Grammar.** By E. RENAULT. 2s.
- Junior French Reader.** By E. RENAULT. 2s.
- French Composition.** By J. S. HOME CAMERON. 3s.
- Compositions Françaises d'après les Tableaux Célèbres.** By H. M. LAWRENCE. 2s. 6d.
- Le Français chez lui.** By W. H. HODGES and P. POWELL. 1s. 6d.
- Sur le Front.** Edited by A. S. TREVES. 1s. 6d.
- Les Français en Guerre.** By JETTA S. WOLFF. 2s.
- Les Français d'Aujourd'hui.** By JETTA S. WOLFF. 2s.
- Les Français en Ménage.** By JETTA S. WOLFF. 2s.
- Les Français en Voyage.** By JETTA S. WOLFF. 2s.
- Les Aventures de Maître Renard.** By M. CEPPI. 1s. 3d.
- Renard le Fripon.** By M. CEPPI. 1s. 3d.

GERMAN and SPANISH.

- Arnold's Modern German Course.** By Dr. F. W. WILSON. 3s. 6d.
- First German Prose Composition.** By Dr. F. W. WILSON. 2s.
- Second German Prose Composition.** By Dr. F. W. WILSON.
- Free Composition in German.** By Dr. F. W. WILSON. 1s. 6d.
- A First German Reader.** By Prof. D. L. SAVORY. 2s.
- A First Spanish Book.** By H. J. CHAYTOR. 3s.
- A First Spanish Course.** By E. A. WOOLF.
- English-Spanish and Spanish-English Dictionary.** By A. M. A. BEALE. 7s. 6d. net.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

Mr. EDWARD ARNOLD'S LIST.

LATIN and GREEK.

- Arnold's New Latin Course.** By R. M. ALLARDYCE. Part I, 2s.; Part II, 3s.
Gardiner's First Latin Course. 3s.
Compendium Latinum. By W. F. WITTON, M.A. For pupils beginning at twelve or thirteen. 3s.
Easy Latin Prose. By W. H. SPRAGGE. 2s.
Latin Prose Composition. By W. R. HARDIE. 5s.
Gardiner's Latin Translation Primer. 2s.
Gardiner's Second Latin Reader. 2s. 6d.
The Fables of Orbius. By A. D. GODLEY. Part I, 1s.; Part II, 1s. 6d.
Mirabilia. By C. D. OLIVE. Modern Stories in Latin. 2s.
Simplified Caesar. By W. F. WITTON. 2s.
Simplified Ovid. By W. F. WITTON. 2s.
Dies Romani. By W. F. WITTON. Easy Extracts. 2s.
Selections from Ovid's Heroides. By LEWIS and BROADBENT. 2s. 6d.
Selections from Ovid's Metamorphoses. By H. A. JACKSON. 2s.

MATHEMATICS.

- The Inductive Arithmetic.** By E. SANKEY.
Pupils' Books, I-III, 4d. each; IV, V, VII, VI, 6d. each.
Class Teachers' Books, With Answers, Notes on Method, and Oral Exercises. Books I and II, 1s. 6d. each; IV-VII, 2s. each.
A School Arithmetic. By A. C. JONES, Ph.D., and P. H. WYKES, M.A. 5s. 6d. Parts I-III, 2s. 6d. each.
Arithmetic for Schools. By J. P. KIRKMAN, M.A., and A. E. FIELD, M.A. 5s. With Answers, 5s. 6d.
Arnold's Half-Crown Arithmetic. By J. P. KIRKMAN and J. T. LITTLE. 2s. 6d.
Exercises in Arithmetic. By C. M. TAYLOR. Parts I-III, 1s. 6d. each, without Answers; 2s. each, with Answers.
Easy Arithmetic and Accounts. By E. SANKEY and G. A. LORD. Books I and II, 1s. 6d. each.
A School Algebra. By F. O. LANE, B.Sc., and J. A. C. LANE, M.A. 4s.; with Answers, 5s.
Elementary Algebra. By W. D. EGGAR, M.A. 4s. With Answers, 5s.
A First Formal Geometry. By R. WYKE BAYLISS. 2s. 6d.
Geometrical Exercises. By L. ASHCROFT, M.A. Parts I-IV, 4d. each.
Elements of Geometry. By Dr. R. LACHLAN and W. C. FLETCHER, H.M.I. 3s. 6d.
Elementary Geometry. By W. C. FLETCHER, M.A. 2s.
Practical Trigonometry. By H. C. PLAYNE, M.A., and R. C. FAWDRY, M.A. 3s.

PHYSICS and CHEMISTRY.

- A Text-Book of Physics.** By Dr. R. S. WILLOWS. 7s. 6d. net.
Introduction to Practical Physics. By E. H. BARTON and T. P. BLACK. 5s.
Mechanics. By W. D. EGGAR, M.A. 4s.
Electricity and Magnetism. By C. E. ASHFORD. 4s. 6d.
Magnetism and Electricity. By E. W. KEMPSON. 3s. 6d.
Inorganic Chemistry for Schools. By W. M. HOOTON, M.A. 5s.
Elements of Inorganic Chemistry. By W. A. SHENSTONE, F.R.S. 6s. 6d.
Outlines of Inorganic Chemistry. By Dr. E. B. LUDLAM. 5s.

PHYSIOLOGY and PEDAGOGY.

- Elementary Physiology for Teachers.** By Dr. W. B. DRUMMOND. 2s. 6d.
A Manual of Physiology. By L. HILL, F.R.S. 7s. 6d.
Physiology for Beginners. By L. HILL, F.R.S. 1s. 6d.
Psychology for Teachers. By Prof. LLOYD MORGAN, F.R.S. 5s.
The Dawn of Mind. By M. DRUMMOND. 3s. 6d. net.
Experimental Pedagogy. By Dr. E. CLAPAREDE. 5s. net.
Introduction to Child-Study. By Dr. W. B. DRUMMOND. 6s. net.

SINGING-CLASS MUSIC.

A series of entirely new Unison and Two-Part Songs for Treble Voices, with Piano Accompaniment and Sol-fa, in addition to Staff-Notation.

UNDER THE GENERAL EDITORSHIP OF

THOMAS F. DUNHILL,

Professor at the Royal College of Music.

All the Songs have been specially composed for this series by the most distinguished British musicians, and are designed for use in Schools and Boys' or Girls' Choirs:—

UNISON SONGS.

- | | | |
|---------------------------------|-------------------------------|-----|
| 1. Dr. Granville Bantock | The Fairy Queen... | 4d. |
| 2. Sir Frederick Bridge, C.Y.O. | Violets | 3d. |
| 3. Dr. C. H. Lloyd | The Clucking Hen | 3d. |
| 4. Dr. Charles Wood | The Knight's Tomb | 3d. |
| 5. " " | Make We Merry | 3d. |
| 6. " " | Mater Ora Filium | 3d. |
| 7. R. H. Walthew | Mr. Nobody | 4d. |
| 8. " " | Lullaby of an Infant Chief | 3d. |
| 9. Sir A. C. Mackenzie | The Bonnie Burnie | 3d. |
| 10. George Rathbone | Alow and Aloft | 3d. |
| 11. Sir Charles V. Stanford | Japanese Lullaby | 3d. |
| 12. Sir Hubert Parry, Bart. | Neptune's Empire | 3d. |
| 13. Harry Farjeon | Blossoms of the Night | 3d. |
| 14. " " | The Lavender Lady | 4d. |
| 15. W. G. Whittaker | The Squirrel | 3d. |
| 16. " " | Buttercups and Daisies | 3d. |
| 17. Geoffrey Shaw | When all the World is Young | 3d. |
| 18. Sydney Marston | England all the Way | 3d. |
| 19. Colin Taylor | The Robin | 3d. |
| 20. Thomas F. Dunhill | I saw Three Ships | 4d. |
| 21. Dr. Harold Darke | A Spring Song | 3d. |
| 22. Martin Akerman | A Cradle Song | 3d. |
| 23. Sydney H. Nicholson | The Dandelion | 3d. |
| 24. John Ireland | A Song of March | 3d. |
| 25. Ernest Farrar | A Song of St. Francis | 3d. |
| 26. Dr. W. G. Alcock | If I were a Sunbeam | 4d. |
| 27. " " | Early Spring | 4d. |
| 28. Dr. George Dyson | When Icicles Hang by the Wall | 3d. |
| 29. " " | Praise | 3d. |
| 30. Dr. A. Herbert Brewer | Sing Heigh-Ho! | 3d. |
| 31. Thomas F. Dunhill | It was a Lover and his Lass | 3d. |
| 32. " " | A Night Welcome | 4d. |
| 33. Edgar L. Balnton | A Rosebud | 3d. |

TWO-PART SONGS.

- | | | |
|------------------------------|--------------------------------|-----|
| 101. Dr. C. H. Lloyd | How Sweet the Answer Echo | 3d. |
| 102. " " | Makes | 3d. |
| 103. Dr. Granville Bantock | Pan | 4d. |
| 104. Sir Charles V. Stanford | The Rose upon my Balcony | 3d. |
| 105. " " | The Haymaker's Roundelay | 4d. |
| 106. " " | Claribel | 3d. |
| 107. Sir Frederick Bridge | A Song of England | 3d. |
| 108. Dr. Percy Buck | A Carol of St. Brigit | 4d. |
| 109. " " | The Windmill | 3d. |
| 110. Sir A. C. Mackenzie | What the Birds Say | 3d. |
| 111. " " | The Fountain | 3d. |
| 112. Herbert Howells | Under the Greenwood Tree | 4d. |
| 113. " " | A True Story | 4d. |
| 114. Dr. Charles Wood | A North Country Song | 4d. |
| 115. R. H. Walthew | To Blossoms | 3d. |
| 116. Colin Taylor | Serenade | 5d. |
| 117. Sir Hubert Parry, Bart. | Joy and Woe | 3d. |
| 118. " " | The Wind and the Leaves | 4d. |
| 119. Norman O'Neill | A Song of the Night | 3d. |
| 120. " " | Lullaby | 3d. |
| 121. Geoffrey Shaw | As Joseph was a-Walking | 4d. |
| 122. George Rathbone | London Town | 4d. |
| 123. Dr. Harold Darke | The Sheep | 5d. |
| 124. G. von Holst | The Song of the Lumbermen | 3d. |
| 125. " " | The Corn Song | 3d. |
| 126. Thomas F. Dunhill | Song of the River God | 4d. |
| 127. Martin Shaw | The Bird of God | 3d. |
| 128. Liza Lehmann | The Daisy's Wedding | 3d. |
| 129. Ernest Farrar | Afton Water | 4d. |
| 130. Dr. Charles Wood | The Milkmaid | 4d. |
| 131. " " | *Orpheus with his Lute | 4d. |
| 132. Dr. W. G. Alcock | *The Pedlar of Dreams | 4d. |
| 133. Dr. George Dyson | *A Wet Sheet and a Flowing Sea | 4d. |
| 134. " " | *A Fairy Madrigal | 5d. |
| 135. Harvey Grace | *The Snowflake | 3d. |
| 136. W. G. Whittaker | *Old King Caraway | 3d. |
| 137. John Ireland | *May Flowers | 4d. |
| 138. Dr. E. T. Sweeting | *The Bells of Shandon | 4d. |
| 139. George Rathbone | *The Gentle Sounding Flute | 3d. |
| 140. " " | *A Hunting Song | 4d. |

THREE-PART SONGS.

(For female voices, unaccompanied.)

- | | | |
|-----------------------|------------------------|-----|
| 201. Dr. Charles Wood | *The Starlings | 4d. |
| 202. " " | *Lilies | 3d. |
| 203. George Rathbone | *The Early Dawn of Day | 4d. |
| 204. Edgar L. Balnton | *The Sea | 4d. |

Songs marked * have just been added to the series.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

following questions were discussed: (1) Report of the Modern Language Committee, opened by Mr. A. Lyon, Head Master of Hawarden County School; (2) the question of French and Welsh as alternative subjects in secondary schools, opened by Mr. John Hughes, Fishguard County School. It was decided to send the following resolution to the University Court, the Senates of the Constituent Colleges of the University, the Central Welsh Board, and the press: "It is our opinion that the present privileged position of Latin in the matriculation examination is a hindrance to the study of Welsh and modern foreign languages in secondary schools." An amendment to a motion proposed by Miss Clara Williams (Penarth) was carried, and it was decided to send this resolution to the Central Welsh Board: "That, in view of the fact that the Central Welsh Board encourages the study of French by the direct method, in that a paper is set in French at the junior stage, this meeting of the Welsh Board of the M.L.A. urges the Board to assist the teachers still further by setting a similar paper at the senior stage, so as to avoid the sudden change of method which is at present inevitable; but translation from the native language into French should form part of that paper."

To the Directorship of Education of Pembrokeshire Captain Evan Davies has been appointed, and Mr. G. R. Bennett has been appointed Principal of the Newport Technical College. Mr. Bennett was previously Head Master of the Newport Higher Elementary School. Prof. O. Leigh Richmond has been appointed to the Chair of Humanity at Edinburgh University. Prof. Richmond is the present Professor of Latin at University College, Cardiff. Miss Kendall has resigned the head mistressship of Llandaff Girls' School, after a long and successful tenure of her post.

SCOTLAND.

On May 14, Field-Marshal Sir Douglas Haig was installed as Lord Rector of the University, and delivered his St. Andrews. Rectorial address. He received the honorary degree of LL.D., and the same distinction was conferred *in absentia* on the King of the Belgians, M. Clemenceau, and General Pershing, and also in person on Viscount Esher

and General Sir Lancelot Kiggell, Governor-General of Guernsey and late Chief of the General Staff under Sir Douglas Haig. The list of honorary degrees to be conferred at the July graduation includes the following names:—D.D.: The Rev. George H. Box, Professor of Hebrew, King's College, London; the Right Rev. Bishop Charles E. Plumb, Perth. LL.D.: Mr. G. Claridge Druce, Oxford; Mr. L. T. Hobhouse, Professor of Sociology, University of London; Mr. Leonard Huxley, Editor of the *Cornhill Magazine*; Mr. William Low, of Blebo, the Rector's Assessor in the University Court; Dr. W. H. R. Rivers, St. John's College, Cambridge; and Dr. A. L. Smith, Master of Balliol.

The Académie des Inscriptions, Paris, has awarded the Prix Chavée for 1919 to M. Frédéric J. Tanqueray, Lecturer in French at the University.

On May 8, Field-Marshal Sir Douglas Haig visited the University and received the honorary degree of LL.D.

Glasgow.

The Universities Entrance Board propose to issue, for the consideration of the Universities, a general regulation providing that the medical preliminary examination should be assimilated to the examination for admission to the Faculties of Arts and Science. The proposal of the Board will probably be accepted by all the Universities, and the result will be to raise the age at which medical students begin their curriculum by about two years. The General Council are urging that, as in some of the English Universities, the first examination for B.Sc. and the first professional examination in Medicine should be taken at school, and that, under certain conditions, work done at school should be recognized in place of the first year's work at the Universities. The Faculties of Science at Edinburgh and Aberdeen are prepared to recognize such work, but the Faculty of Medicine at Glasgow state that it is not within their knowledge that any secondary school does or can, in any circumstances, teach scientific subjects of the scope or up to the standard required for the first professional examination in Medicine. In any case, the raising of the standard of the medical preliminary examination will have most beneficial results.

The number of men students who have matriculated at the University for the summer term is 600. Last summer the number was 240, and in pre-war years the average was 80. Of this year's number, 450 are medical students. All of these are men who

(Continued on page 382.)

The TEACHERS' CHRISTIAN UNION.

ASSOCIATED WITH THE Y.M.C.A. AND Y.W.C.A.

President: Miss M. H. WOOD, M.A., Litt.D.

Vice-Presidents: { Mrs. WOODHOUSE,
The Rev. W. TEMPLE, M.A., D.Litt.

Secretary: Miss F. STREET, M.A.

AIMS:—

1. To unite Teachers of all types and denominations, whether men or women, who hold a spiritual conception of education to be fundamental, believing that "Spirituality is the basis and foundation of human life rather than the apex or final attainment of it."
2. To seek through fellowship a clearer apprehension of the Christian Faith.
3. To contribute through Christian Education to the solution of social, international, and missionary problems.

The SECRETARY,
16 Russell Square,
London, W.C.1

will forward particulars of Subscriptions, conditions of membership, list of Branches, and publications. Among these are:—

- "Education: its Spiritual Basis and Social Ideals," being Report of 1918 Conference, post free 2/8.
- "Ideals and Problems of Religious Education," being Report of Swanwick Conference, 1919 (in the press).

THE SECONDARY, TECHNICAL AND UNIVERSITY TEACHERS' INSURANCE SOCIETY

(The S.T.U.T.I.S.)

Registered under the Friendly Societies Act, 1896. Regd. No. 1424 London.
Approved under the National Insurance Act, 1911. Approval No. 261.

Chairman: Sir JOHN D. MCCLURE, LL.D., M.A.

All persons whose main work is teaching other than in Public Elementary Schools are eligible for membership of this Society.

STATE SECTION:—

The forthcoming Valuation will, it is expected, show that this Section is in a very strong position and that valuable additional benefits will be able to be offered to its members.

Members who have been insured for at least two years, and who are passing out of Insurance in consequence of the Superannuation Act, or of larger salaries, are entitled to become *Voluntary Contributors*, and thus share in the Additional Benefits which they themselves have helped to create.

DIVIDEND SECTION:—

This Section is independent of the State Section and is for the insurance of those teachers to whom the Insurance Act does not apply, or *who desire additional benefits*. It possesses the advantage of a Savings Bank (by the creation of Own Funds and Deposit Accounts), and offers at a very low cost Sick Benefits up to £3 3s. per week. Hitherto about two-thirds of the members' annual contributions have been returned to them each year by being placed to the credit of their Own Funds.

For information apply to the SECRETARY,

10 Mecklenburgh Square, London, W.C.1.

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

SYNOPSIS of Ling's System of Physical Training.

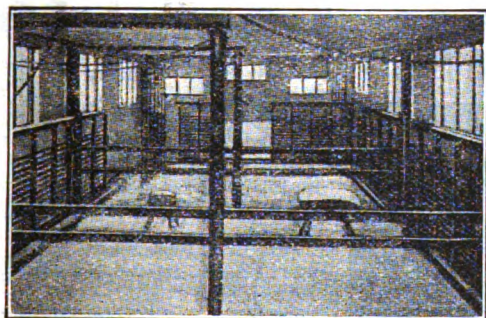
OLD GYMNASIA Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

PHOTOS Several Recent Secondary School and Welfare Outfits.

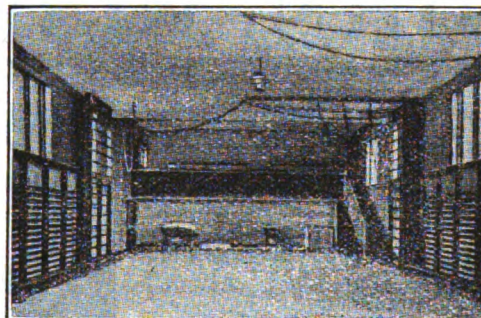
**SCHOOL CLINICAL
APPARATUS** Plinths, Correction Belts, Head Suspension
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12030.

have been on war service, and it has been found impossible to admit any others, as accommodation is quite insufficient and it has been necessary to use classrooms in the extra-mural colleges and the Royal Technical College. Eighty soldiers from the American Army have been temporarily released to take courses at the University in Arts and Science. The number of women entrants has fallen from 40 last year to 19.

Among those who are to receive honorary degrees at the graduation in June are the following:—D.D.: The Rev. Thomas Barclay, Formosa; the Right Rev. Bishop Brent, Philippines; the Rev. Principal Glaister, Brisbane; the Rev. W. P. Hanks, London; the Rev. J. Primrose, Glasgow; and Father Nicholas Velimirovic, Serbia. LL.D.: Surgeon-General Sir William Baptye, V.C.; Colonel John Buchan; Lord Glenarthur; the Very Rev. Principal Sir John Herkless, St. Andrews; Prof. Sir John M. Jones, Bangor; Sheriff A. O. Mackenzie, K.C., Glasgow; Prof. Magnus Maclean, Glasgow; Prof. J. Hepburn Millar, Edinburgh; Mr. Hugh Reid, C.B.E., Glasgow; and Mr. Herbert F. Stockdale, Technical College, Glasgow.

Prof. C. R. Marshall, Professor of Materia Medica and Therapeutics at St. Andrews University, has been appointed by the Crown to the Regius Chair of Materia Medica at the University of Aberdeen, in succession to Prof. Theodore Cash. Prof. Marshall is a graduate of Manchester and Cambridge, and has held the St. Andrews Chair since 1899.

Prof. A. S. Pringle-Pattison, Professor of Logic and Metaphysics at the University of Edinburgh, has intimated his resignation of the Chair as from September 30 next. Prof. Pringle-Pattison was appointed to the Edinburgh Chair in 1891. He was Professor of Logic and Philosophy at University College, Cardiff, from 1883 to 1887, and Professor of Logic, Rhetoric, and Metaphysics at St. Andrews University from 1887 to 1891. In 1883 he was appointed to a Lectureship in Philosophy, founded by Mr. A. J. Balfour, and he was Gifford Lecturer at the University of Aberdeen from 1911 to 1913. He is the author of many valuable books on philosophical subjects, and his many friends and former students will hear of his resignation with much regret. The patrons of the Chair of Humanity, vacant by the death of Prof. W. R. Hardie, have elected to the Chair, Prof. Oliffe Leigh Rich-

mond, Professor of Latin in the University College of South Wales. He was educated at Eton and King's College, Cambridge, of which he was for ten years a Fellow and Classical Lecturer. Dr. Harold Pringle has resigned his Lectureship in Histology, on his appointment to the Chair of Physiology at Trinity College, Dublin. Major Ewing has been appointed Lecturer in Colonial and Indian History, in succession to Mr. James Munro, resigned.

At the spring meeting of the General Council it was reported that the overseas soldiers attending the University under the education schemes of their respective Armies number 220 from the United States, about 80 from Canada, 50 from Australia, and a few from New Zealand. About 900 demobilized men have matriculated since Christmas, and the matriculations for 1918-19, up to April 25, number 3,287, compared with 1,811 in 1915-16 and 3,283 in 1913-14. The Business Committee of the Council suggested the institution of degrees in Mining and in Architecture and Designing, lectureships in Spanish and other European languages and in Mineralogy and Oceanography; a strengthening of the staff, to set heads of departments free for research and post-graduate work; further post-graduate courses of study; and the development of movements such as the Workers' Educational Association. Principal Sir Alfred Ewing mentioned that within a period of about two years nine new Chairs had been or were in course of being instituted. Preliminary proposals are being considered for the extension of the existing hostel scheme, and increased accommodation for women students is urgently required. It is proposed to approach the Carnegie Trust and the Scottish Education Department as to the necessary capital expenditure.

Entrance Board.

It has been decided that the seat of the Board shall be at St. Andrews University. Prof. Burnet, of St. Andrews, has been elected as Chairman of the Board.

Education Authorities.

The new Authorities are making preparations for undertaking their work, and considerable numbers of officials, many of whom served under the School Boards, are being appointed. The Glasgow Authority have appointed Mr. John Clark, formerly Clerk of the Glasgow Board, to be Director of Education and Clerk and Treasurer to the Education Authority, at a salary of £1,500 a year.

(Continued on page 384.)

'Phone GERRARD 2120.

Athletic Outfitters by Royal Warrant of



Appointment to his Majesty King George V.

JOHN WISDEN & CO., Ltd.,

23 Cranbourn Street, Leicester Square, W.C.2. (Next door to Leicester Square) Tube Station.

We have pleasure in announcing that

H. T. W. HARDINGE

(The Kent County Cricketer and International Footballer)

Has been appointed to the staff of WISDEN'S.

His career at both cricket and football is well known to sportsmen. He has also practical workshop experience in the manufacture of sporting requisites. He will be pleased to interview by appointment any intending customer, and place the benefit of his experience at their disposal.

WISDEN'S "Special Crown" Cricket Balls are THE Balls used in Test Matches.

WISDEN'S Cricket Balls are used at Lord's and nearly all County Grounds.

WISDEN'S "Exceller" Cricket Bats are universally acknowledged by all first-class players to be the FINEST BAT IN EXISTENCE.

Wonderful Collection of Old Record Cricket Bats and Balls always on view.



Telegrams—"WISDEN, WESTRAND, LONDON."

WISDEN'S "Exceller" Cricket Bats

Made from best English Willow by skilled workmen.

We hold a very fine stock of selected and well-seasoned bats unequalled for shape, balance, and finish. Boys' and Youths' Cricket Bats, specially made for use at Preparatory and Public Schools.

EXTRA Special Selected, Men's	32/6
Selected, Men's	28/6
Ordinary	25/-
No. 6 Selected Boys'	17/-
No. 5	14/6
No. 4	12/-
No. 3	10/6
EXTRA Special Harrow or Public School Size	30/-
Harrow or Public School Size, Selected	25/-

Every Bat Guaranteed.

TENNIS, HOCKEY, POLO, SQUASH GOLF.

Running Shoes, Vests, Knickers and Cords.

LARGEST STOCK OF ALL SPORTS GOODS IN THE KINGDOM.

PITMAN'S MANUALS FOR ART CLASSES

DRAWING AND DESIGN. By SAMUEL CLEGG, with a Foreword by Prof. WILLIAM ROTHENSTEIN.

A school course in composition with the following salient features:—1. Some of the plates are printed from wood blocks designed and cut by scholars. 2. Special attention is paid to design in needlework. 3. Art and craft work are linked together. 4. The subject of lettering and manuscript writing is treated suggestively as part of the course in Art.

280 pp. 10/6 net. 18 plates in colours.
Size 10 in. by 7½ in. 148 other illustrations.

SIMPLE ART APPLIED TO HANDWORK. By H. A. RANKIN and F. H. BROWN, A.R.C.A. Two vols.

Describes how the art work of the school may be linked with the handwork. Vol. II deals especially with staining wooden surfaces, gesso, metal work, leather work, &c.

Illustrated in colour and black and white, each 5/- net.

THE TEACHING OF COLOUR. By H. A. RANKIN, *Art Master, Silver and Bronze Medallist.*

This is a very suggestive book, dealing in an original way with colour problems, and treating them, especially in certain observational exercises, in as simple a manner as possible.

55 plates in colour, black and white, 5/- net.

Write for eight-page descriptive prospectus of
PITMAN'S SERIES OF ART BOOKS.

SIR ISAAC PITMAN & SONS, LTD., 1 Amen Corner, London, E.C. 4.

A MESSAGE TO VIOLIN LOVERS.



We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your enquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

NOTICE.

Increase in price of back numbers of
"The Journal of Education."

Copies of *The Journal of Education* over twelve months old are now charged **double price**, and those more than three years old, **treble price**.

For a list of Numbers, Volumes, and Binding Cases, still in print, apply to the Publisher:

Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4.

NEW REGIONAL GEOGRAPHIES.

By LEONARD BROOKS, M.A., F.R.G.S. Edited by JAMES FAIRGRIEVE.

Vol. I: **AMERICAS**

Vol. II: **ASIA AND AUSTRALASIA**

Price 3s. 6d. each, with large number of illustrations and maps.

THE BRITISH ISLES

With new illustrations. Now ready. Price 2s. 6d.

EUROPE AND AFRICA

New Boundaries being prepared. Almost ready.

THE STUDENT'S GUIDE

Making the Most of One's Mind.

By JOHN ADAMS, M.A., B.Sc., LL.D., Professor of Education in the University of London.

Fifth Impression. Price 4s. 6d. net, postage 5d.

"Dr. Adams has written an admirable book, and a student may be regarded as fortunate who avails himself of its wisdom."—*Times*

AN ECONOMIC GEOGRAPHY OF THE BRITISH EMPIRE

By C. B. THURSTON, B.Sc., Geography Master at Kilburn Grammar School. With many specially prepared maps and tables. Price 3s. 6d.

"It provides a clear and interesting exposition of the economic aspects of geography, as illustrated by the many various activities and ways of life throughout the Empire."—*Scotsman*

GEOGRAPHY AND WORLD POWER

By JOHN FAIRGRIEVE, M.A., F.R.G.S.

With 80 Maps. Second edition. Price 4s. net, postage 4d.

"It is a valuable review treated in a broad philosophic way; the influence of physical facts upon history."—*Times*

"One could not desire a more fascinating introduction to the study of world history than this masterly analysis."—*Glasgow Herald*

UNIVERSITY OF LONDON

MATRICULATION EXAMINATION

ENGLISH PAPERS (September 1915—June 1918)

Bound up together. Price 1s. 6d. net; postage 2d. extra.

ARITHMETIC AND ALGEBRA (with Answers)

GEOMETRY AND MECHANICS along with

MATHEMATICS MORE ADVANCED

(with Answers) (September 1915—June 1918).

Bound in one volume. Price 2s. net; postage 3d. extra.

A SHORT HISTORY OF MODERN EUROPE

From the French Revolution to the Great War.

By EUGENE L. HASLICK, B.A.

With specially prepared maps. Price 3s.

A SHORT HISTORY OF MODERN ENGLAND

From Tudor Times to the Present Day (1485-1914)

By FREDERICK BRADSHAW, M.A. (Oxon), D.Sc. (London).

With 8 full-page maps. Price 3s.

EVERYMAN'S CHEMISTRY

The Chemist's point of view and his recent work told for the Layman

By ELLWOOD HENDRICK.

With illustrations. Demy 8vo. Price 8s. 6d. net; postage 6d.

"We commend the volume heartily to a wide circle of readers, and to that end we have directed attention rather to its eminently readable character than to its weighty purpose."—*Times*

London: UNIVERSITY OF LONDON PRESS

18 Warwick Square, London, E.C. 4.

Miss E. L. Waldie, Inspecting Supervisor for the South-west of Scotland under the National Kitchens Division of the Ministry of Food, and formerly on the staff of the Glasgow and West of Scotland College of Domestic Science, has been appointed to the post of Inspector of Domestic Subjects under the Scottish Education Department.

IRELAND.

A very important announcement was made by the Irish Attorney-General, speaking in the House of Commons in the debate on the Second Reading of the Belfast Education Bill, which was eventually talked out. He stated that, consequent upon the Reports of the two recent Vice-Regal Committees on Primary and Intermediate Education, the Irish Government had appointed a Departmental Committee, which would meet the following week and would draw up, on broad lines, a scheme for the complete re-organization of Irish education. The Committee consists of Mr. Alexander, of the Scottish Department of Education; Mr. Barnett, Inspector of the English Board of Education; Mr. Butler, Assistant Commissioner of the Irish Intermediate Board of Education; Mr. Fletcher, Assistant Secretary in respect of Technical Instruction of the Department of Agriculture and Technical Instruction; and Mr. Wyse, Secretary of the Irish National Board of Education. The Attorney-General added that the Government hoped to introduce a Bill at an early date which would reform education without interference with religious teaching in the schools.

Speaking the previous week during his visit to Belfast, the Chief Secretary also made a promise to introduce an Education Bill for Ireland. Education there was, he said, based upon a fiction. There was no Education Act behind it and no Education Board to look after the interests of education. It was intolerable that, if anything was to be done for Irish education, it was always necessary to go to the Treasury. Out of every ten boys in Scotland nine attended regularly, in England eight, and in Ireland only six. It was a scandalous state of affairs that in Dublin 75 per cent. of the boys who wished to enter a technical school could not pass the ordinary entrance examination. As privilege in education had been abolished in Scotland, so he should like to see it abolished in Ireland, so that the lad of parts could go triumphantly from the Board school to the University. He added that the teaching profession required complete reform, and the first thing to be done was to give to the teachers a living wage with a better chance in life before them.

It is interesting to see that the Teachers' Associations are widely concentrating their efforts on supporting the Majority Reports of the two Committees. The Primary Teachers, at their annual Easter Congress, held this year in University College, Dublin, passed this resolution:—"That we call upon the Government to give immediate effect to the recommendations of the Killanin Committee." The Majority Report of the Intermediate Committee has been supported in the same way by the Schoolmasters' Association, the Ulster Head Masters' Association, the Incorporated Association of Assistant Masters, the Assistant Mistresses' Association, and the Central Association of Irish Schoolmistresses.

The Roman Catholic Bishops, on the other hand, seem to have decided to oppose reform on the lines proposed by the reports. Their language is not, however, clear. They offer their cordial support to the co-ordination of the different branches of education on lines of true progress, but they object to the proposed Minister of Irish Education; they are strongly opposed to the abolition of the existing semi-independent boards for the purpose of placing education in Ireland under the control of a Minister responsible not to Irish, but to British public opinion. They think this would be an altogether retrograde proceeding. What do they mean by co-ordination on lines of true progress? Again, if the Minister is supported, as suggested, by an Advisory Committee representative of different Irish interests, and his recommendations are backed up by the Irish members of Parliament, there is little danger of British public opinion interfering with them. The Bishops also object to an Irish local or national rate in aid of education, and wish the question to be first settled of the overtaxation of Ireland. Are these merely obstructive tactics, or do the Bishops really wish the reform of Irish education to wait for the settlement of this difficult financial and political question?

In the educational estimates for 1919-20 the amount of the
(Continued on page 386.)

THE MCDUGALL LIST

MON PETIT CAMARADE FRANÇAIS

Livre Premier. Par L. LAVALT, Paris; P. LESTUNG, Marseille; et B. DUMVILLE, London. Follows in the main the principles of the New Method. Copiously Illustrated. 272 pages. 2s. net.

PETITE ESQUISSE DE LA LITTÉRATURE FRANÇAISE

By J. E. MANSION, B. ès L. An Excellent Selection. New Edition. 2s. net; boards.

EXTRAITS DES AUTEURS FRANÇAIS DU XVII^{ME} SIÈCLE

By J. E. MANSION, B. ès L. 288 pages. Cloth Boards, 2s. 6d. net.

MCDUGALL'S PREPARATORY FRENCH

An easy, pleasant introduction. Cloth, 10d.

FABLIAUX FRANÇAIS

A simple attractive Illustrated Reader. 1s. 6d. net.

GATEWAYS TO BOOKLAND

A series of delightfully Illustrated Literature Books for pupils of from 9 to 14. A very wide range of authors of all periods is drawn upon.

Winged Flights into Story Land 2s. 4d. Within the Gates 3s. Vistas of Romance - - - 2s. 8d. In Kings' Gardens 3s.

REGIONAL GEOGRAPHY OF THE WORLD

A Modern Scientific Treatment. Contains an abundance of Contour Maps in Colour and Black and White, with many Diagrams. A section of questions based on the text is a very valuable feature. Revised to date. 224 pages. Cloth covers, 2s. net.

MODERN TIMES THE EMPIRE AND THE WORLD SINCE 1789.

A new edition of this remarkable book, revised to February, 1919, has been brought out. It explains the inwardness of events that have determined the history of these epoch-making days. An essential book for the future citizens of our race.

320 pages. Cloth boards, 2s. 6d. net.

EVERYDAY COMPOSITION

A new book of Hints and Helps in Letter and Essay Writing. Excellent in every way. Cloth limp, 1s. net.

PLAIN-TEXT SHAKESPEARE

In this edition of English Classics are given the greater plays of Shakespeare, unabridged but carefully edited for schools, and without notes. The books are full crown 8vo in size, most clearly printed, and bound in limp cloth. Price—each 6d. net, except Hamlet and Coriolanus (each 9d. net), and Richard II and King Henry V (each 8d. net).

CONCISE SCHOOL DICTIONARY

Over 15,000 Words, Phrases, &c. Exceedingly useful Appendixes. Boards or Limp Cloth, each 9d. net.

SONGS OLD AND NEW

Contains 9 National, 19 British, 5 New Folk, 8 Classical Songs, 4 Glee, 19 Rounds. In Staff or Sol-Fa. Paper, 6d.; Cloth, 8d.

Piano Edition, 4s. 6d. net; by post, 5s.

Address your inquiries to

MCDUGALL'S EDUCATIONAL Co., Ltd.,
8 Farringdon Avenue, London, E.C. 4.

SLOT WEIGHTS

FOR THE

Mechanics Laboratory

Raw material is now available, and we shall shortly be able to supply large quantities in both English and Metric denominations.

Slot Weights from one-hundredth pound to one hundred pounds and from five grams to fifty kilograms.

Weight Hangers to suit.

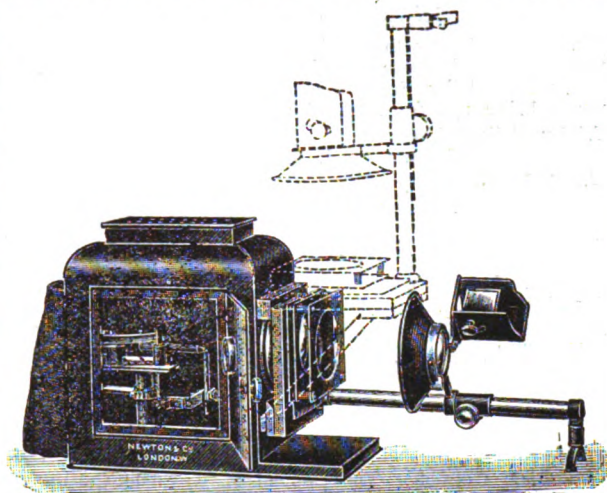
G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.

OPTICAL LANTERNS

AND SLIDES

for use in

COLLEGES, SCHOOLS, and other EDUCATIONAL INSTITUTIONS.



SCIENCE LANTERNS for LECTURES and DEMONSTRATIONS.

NEWTON & CO.

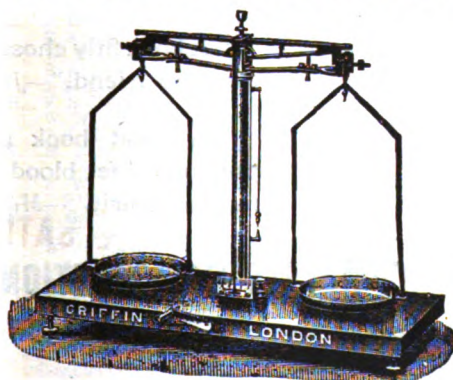
(Established over 200 years),
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.

KEMBLE STREET,

KINGSWAY, LONDON, W.C.2.

MAKERS OF PHYSICAL AND ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES

MANUFACTURED BY

GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLENKAMP

—& Co., Ltd.—

19-21 SUN STREET
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

BRITISH MADE GLASSWARE.

Beakers, Flasks, Basins, Funnels, Bell Jars,
Aspirators, Condensers, Hydrometers,
Thermometers, &c.

BRITISH MADE PORCELAIN.

Basins, Crucibles, Casseroles, Dye Pots,
&c.

BRITISH MADE FILTER PAPERS.

To replace the various S & S qualities.

BRITISH MADE NICKEL WARE.

Basins, Crucibles, Spatulas, &c.

Prices on Application.

Telephone—LONDON WALL 1404 & 1405.
Telegrams—"GALLENKAMP, FINSQUARE, LONDON."

The Estimates. Duke grant remains stationary at £50,000. It was definitely stated when the grant was first made in 1918 that it was not a fixed sum, like the Birrell grant of £40,000, but an equivalent grant for intermediate education, and would increase with the increase of the Treasury grant for secondary education in England. On this basis the Duke grant, which was £50,000 for 1917-18, should have been £70,000 for 1918-19, and should be £95,000 for 1919-20. It is also a remarkable fact that the grant per head for Irish education as a whole, which in previous years was higher than for England and Wales, is for 1919-20 considerably lower. The estimates for England and Wales have risen by over £12,000,000, and those for Ireland by only £500,000. The excess per head for England and Wales is more than 3s., the amounts being 17s. for England and Wales and 14s. for Ireland.

Trinity College has suffered a great loss in the death of its Provost, Sir J. P. Mahaffy, on April 30. As the **Sir J. P. Mahaffy.** *Times* justly said: "For more than a generation Dr. Mahaffy has unquestionably been the foremost figure of Trinity College, Dublin. He was the one man there with a European reputation outside the circles of specialists." He was in his eighty-first year, and had been Provost since 1914. He was elected a Fellow as long ago as 1864. The resignation of Mr. Justice Madden, Vice-Chancellor of the University, a contemporary of Dr. Mahaffy's, removes another well known figure from the life of the University. The Chancellor, Lord Iveagh, has appointed Dr. Bernard, Archbishop of Dublin, to be Vice-Chancellor in his stead.

SCHOOLS.

WESTFIELD COLLEGE.—The Council of Westfield College (University of London) have offered a research studentship for next year to an overseas graduate, Miss Julia Grace Wales, A.M. Miss Wales, who is a Canadian, graduated at McGill University, Montreal, in 1903, obtaining first-rank honours and the Shakespeare gold medal. The following year she obtained a scholarship at Radcliffe College, taking her A.M. degree at the end of the year. In 1910 she was awarded the Mary M. Adams Fellowship in English at Wisconsin University, and in 1912 she was appointed Instructor in English at that University.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—On the results of the examinations held for entrance scholarships at Faraday House in April, the following awards have been made:—"Faraday" Scholarship of fifty guineas per annum, tenable for two years in college and one year in works, to R. A. Emerson, Plymouth College, Guernsey; "Maxwell" Scholarship of fifty guineas per annum, tenable for one year in college and one year in works, to D. E. Bird, Elizabeth College, Guernsey. The following entrance exhibition and prizes have also been awarded:—To J. P. H. Read, Newton College, Devon, Entrance Exhibition of twenty-five guineas per annum, tenable for one year in college and one year in works; to M. W. Foulkes-Roberts, St. Bees School, Cumberland, an Entrance Prize of twenty-five guineas; to S. J. Bausor, Surrey County School, Richmond, an Entrance Prize of twenty guineas.

BOOKS OF THE MONTH.

Biography.

The Life of Theodore Roosevelt. By H. Hagedorn. Illustrated with Photographs, Cartoons, and Reproductions from Theodore Roosevelt's own Diaries. *Harrap.* Price 6s. net.

Education.

Patriotism and Popular Education. Addressed to the Right Hon. H. A. L. Fisher. By H. A. Jones. *Chapman & Hall.* Price 3s. 6d. net.

A Survey of Religious Education in the Local Church. By Prof. W. C. Bower. *University of Chicago Press.*

Projects in the Primary Grades. By A. M. Krackowizer. *Lippincott.* Price 5s. net.

The Public Schools Yearbook. Edited by H. F. W. Deane and W. A. B. Evans. *Deane.* Price 7s. 6d. net.

The Place of the University in National Life. By the Right Hon. H. A. L. Fisher. *Milford.* Price 6d.

The Problem of the Continuation Schools. By Ernest Young. *Philip.* Price 1s. net.

(Continued on page 390.)

NOTHING GIVES SO MUCH LASTING SATISFACTION AS A BOOK TASTEFULLY BOUND IN LEATHER.

The E.S.A. has the FINEST SELECTION OF SUCH BOOKS SUITABLE FOR

"What a blessed companion is a book."

—Jerrold.

"Books we know are a substantial world both fine and good."—Wordsworth.

"The sweet serenity of books."—Longfellow.

Prizes

"What a sense of security there is in a book."

—Lowell.

"A book fitly chosen is a life-long friend."—Jerrold.

"A good book is the precious life blood of a master spirit."—Milton.

THE BEST VALUE. THE BEST SERVICE. COMPLETE SATISFACTION.

Lists and full particulars free to Heads.

EVERYTHING FOR SCHOOLS
The EDUCATIONAL SUPPLY ASSOCIATION LTD
STEVENAGE HOUSE, 40-44 HOLBORN VIADUCT, LONDON, E.C.

HARRAP'S LATEST PUBLICATIONS.

HARRAP'S INTRODUCTORY ALGEBRA. By WILLIAM FARQUHARSON, M.A., Daniel Stewart's College, Edinburgh. Cr. 8vo, 180 pages, with Answers, 2s. net. Also without Answers, 1s. 9d. net.

From the Principal of a Preparatory School:—"Farquharson's Algebra is first-rate, and I shall put an order through in due course. I hope the book will have the success it deserves, for, of the large number of elementary Algebras I have perused in my search for something suitable for beginners, this is the only one that appears to have realized and provided for the extraordinary difficulty of the subject for small boys."

ENGLISH EXTRACTS AND EXERCISES. For Comparative Study and Training in Composition. By F. H. PRITCHARD, Lecturer in Literature at the Municipal Technical School, Devonport. Large cr. 8vo, 256 pages, 2s. 6d. net. (Prospectus on application).

An admirable practice-book in English for lower and middle forms in secondary schools and for upper classes in primary schools. The main idea is to centre all the week's work in English round a suitable extract. The exercises are abundant and in many cases novel in character. No essential point in elementary English is left untouched, and wherever possible opportunity is taken to stimulate interest in the author or extract under consideration.

A SCHOOL GRAMMAR OF PRESENT-DAY FRENCH. By J. E. MANSION. Crown 8vo, 256 pages. 3s. 6d. net.

A new French Grammar for middle and senior forms, special features of which are the stress laid on fundamental principles, and careful differentiation between the normal constructions of the language and those which belong to emotional, colloquial, or literary expression.

EN CAMPAGNE. By MARCEL DUPONT. Edited by G. Bossett, L.-ès-L., with Notes, Re-translation Exercises and Vocabulary. Small crown 8vo, 192 pages, 2s. net.

Incidents of the French campaign in 1914-15 as seen by a French Cavalry Officer who has also served in the French Flying Corps. The style is simple, and the narrative vivid.

FRENCH PLAYS FOR CHILDREN. By JOSETTE E. SPINK. With Illustrations and Vocab. Sm. cr. 8vo, 96 pages, 1s. 6d. net.

This little book is designed primarily as a reader for class use.

EN FRANCE. With Notes, Oral Exercises, and Vocabulary, by Prof. C. FONTAINE, Columbia University. Fully illustrated. Crown 8vo, 224 pages, 2s. 6d. net.

This new reader gives in pleasant idiomatic French a description of the country and people both in Paris and in the provinces.

MARGUERITE ET SES AMIS. Livre de Lecture et de Conversation de la deuxième année. By V. LOUIS. With Illustrations, Exercises, Vocab., and Model Scenes for Acting. Cr. 8vo, 120 pages, 1s. 9d. net.

Seventeen illustrated readings descriptive of the daily life of a little girl, followed by four *scènes dialoguées* for acting at school or at home.

A FIRST SPANISH COURSE. By Profs. E. C. HILLS and J. D. M. FORD. With Exercises and Vocabularies. Crown 8vo, 340 pages, 4s. 6d. net. Key, for Teachers only, 5s. 3d. net.

This easier course is designed for much younger pupils than the Authors' previous work.

PEQUEÑO VOCABULARIO. By ALBERT A. MÉRAS, Ph.D. Size 5½×3 inches, 72 pages, limp cloth, 8d. net.

This book contains classified lists of two thousand Spanish words with English equivalents.

CAPÍTULOS ESCOGIDOS DE V. BLASCO IBÁÑEZ. With Notes and full Vocab., by E. ALEC WOOLF, D.Litt. Crown 8vo, 188 pages, 2s. net.

Selections—each one complete in itself—from the words of the foremost Spanish novelist of the present day, whose works have been translated into every European language.

HARRAP'S BILINGUAL SERIES.

General Editor—J. E. MANSION.

Each Book price 1s. 6d. net.

Modern Language Readers for the student who wishes to enlarge his vocabulary through reading. Each book consists of a carefully selected story, or other suitable material, with text and translation on opposite pages and a few Notes. The Series will include books in all the principal languages.

FIRST ANNOUNCEMENT.

FRENCH. A. Daudet: *Lettres de mon Moulin* (Selected). (Ready)

E. About: *Les Jumeaux de l'Hôtel Cornaille*. (Ready)

W. W. Jacobs: *Selected Stories*. (In the Press)

E. A. Poe: *The Gold Bug*. (Ready)

J. S. Keyworth: *French for the Traveller*.

SPANISH. V. B. Ibáñez: *La Corrida*. (In the Press)

W. W. Jacobs: *Selected Stories*. (In the Press)

J. S. Keyworth: *Spanish for the Traveller*.

ITALIAN. M. Bandello: *The Story of Romeo and Juliet*. (In the Press)

W. W. Jacobs: *Selected Stories*. (In the Press)

J. S. Keyworth: *Italian for the Traveller*.

GERMAN. F. Gerstaecker: *Germelshausen*. (In the Press)

T. W. Storm: *Immensee*. (In the Press)

W. W. Jacobs: *Selected Stories*.

J. S. Keyworth: *German for the Traveller*.

RUSSIAN. Pushkin: *Selected Tales*.

W. W. Jacobs: *Selected Stories*.

J. S. Keyworth: *Russian for the Traveller*.

The volumes are of handy size for the pocket—6½×4 ins. Each contains 128 pages, bound in stiff paper cover. Price 1s. 6d. net.

Complete Catalogue containing particulars of many

IMPORTANT NEW BOOKS—AND SERIES

will be forwarded upon application to the Publishers.

London: **GEORGE G. HARRAP & CO., LTD.**

Directors: GEORGE G. HARRAP & G. OLIVER ANDERSON.

2 & 3 Portsmouth Street, Kingsway, W.C.2.

A. & C. BLACK'S LIST.**SCHOOL SHAKESPEARE.**

Price 1/- each.

Each volume contains Introduction, Examination Papers, Notes, and Index.

**MIDSUMMER NIGHT'S DREAM. HENRY IV (Part I).
MERCHANT OF VENICE. KING LEAR.
MACBETH. RICHARD III. JULIUS CAESAR.**

PICTURE LESSONS IN ENGLISH.

Each containing 14 full-page Illustrations in colour, Questions, and Notes.

Demy 8vo. Price 1/- each, Limp Cloth.

Book I	...	For Stds. I & II.
Book II	...	For Stds. III & IV.
Book III	...	For Stds. V & VI.
Book IV	...	For Stds. VI, VII, & Ex-VII.

No plan of approaching this subject is better than that of using pictures which assist the pupil in the work of self-interrogation and at the same time cultivate the habit of observation.

COMPOSITION FOR JUNIOR FORMS.

By GEORGE H. GREEN, L.C.P.

Containing 15 full-page Illustrations, of which 8 are in colour. Crown 8vo. Price 1/8.

This book provides materials which is suited for development in class discussions, and which is likely to promote a love of self-expression by means of prose writing on the part of pupils ranging from ten to fourteen years of age. The exercises are numerous, and of an interesting and suggestive character. It deals with composition only, and is in no sense a handbook of grammatical rules and questions. A noteworthy feature is the selection of beautiful illustrations which have been employed as the basis of many interesting and stimulating exercises.

SENTINEL READERS.

Edited by E. E. SPEIGHT.

Each volume with 8 full-page plates in colour.

Book I	...	Price 1/4
Book II	...	" 1/6
Book III	...	" 1/8
Book IV	...	" 2/-
Book V	...	" 2/-
Book VI	...	" 2/6

Sentinel Hours (an Anthology of Prose and Verse). 2/6.

The aim of this set of Readers is not only to awaken intelligence and impart knowledge, but to widen the sympathies of boys and girls in all humane directions.

LITERARY READERS.

Edited by JOHN FINNEMORE

Each volume with 8 plates in colour and many in black and white.

Book I.	Including Introduction to	Price
	Little Folk of Many Lands	1/4
Book II.		1/6
Book III.	Introducing the "British Empire":	
	how won, how kept, how used	1/8
Book IV.	Dealing with North America	2/-
Book V.	Dealing with Australia, New Zealand, and South Africa	2/-
Book VI.	Dealing with the Indian Empire	2/6

The special feature of this set of Readers is that in all Books above the Second an attempt is made to show how Britain came by her world-wide Empire.

A. & C. BLACK, Ltd.,

4, 5, & 6 Soho Square, London, W.1.

RECENT AND STANDARD TEXT-BOOKS

MATHEMATICS

Issued complete with or without answers; in separate parts, or Examples separately. Please write for details and prices.

- Pendlebury's Arithmetic.** With 8,000 Examples. By C. PENDLEBURY, M.A., late of St. Paul's School. 27th Edition. 5s.
- Pendlebury and Robinson's New School Arithmetic.** 14th Edition. 5s.
- Pendlebury and Beard's Commercial Arithmetic.** 12th Edition. 3s. 6d.
- Pendlebury and Beard's Shilling Arithmetic.** 26th Edition. 1s. 6d., or with answers, 2s.
- Pendlebury and Robinson's New Shilling Arithmetic.** 11th Edition. 1s. 6d., or with answers, 2s.
- Pendlebury and Robinson's Junior Arithmetic.** 127th Thousand. 2s., or with answers, 2s. 6d.
- Pendlebury's Preparatory Arithmetic.** 3rd Edition. 2s. With Revision Papers, 2s. 6d.
- Pendlebury and Beard's Graduated Arithmetics.** Seven Parts, bound in stiff canvas wrapper.
- Pendlebury and Leather's New Concrete Arithmetics.** Six parts, bound in paper or cloth.
- Baker and Bourne's Public School Arithmetic.** By W. M. BAKER, M.A., and A. A. BOURNE, M.A., of Cheltenham College. 4th Edition. 5s.
- Baker and Bourne's Student's Arithmetic.** 6th Edition. 3s.
- Baker and Bourne's Shilling Arithmetic.** 3rd Edition. 1s. 6d., or with answers, 2s.
- Arithmetic for Preparatory Schools.** By TREVOR DENNIS, M.A., Head Master of Lady Manners' School, Bakewell, late Mathematical Master at Sherborne School. Crown 8vo. 4s., or with answers, 4s. 6d. [*Bell's Mathematical Series.*]
[General Editor: Dr. W. P. MILNE, Clifton College.]
- Problem Papers in Arithmetic for Preparatory Schools.** By T. COOPER SMITH, M.A., late Scholar of University College, Oxford; Mathematical Master, St. Peter's Court, Broadstairs. Second Edition. 2s. [*Bell's Mathematical Series.*]
- Arithmetic.** By H. FREEMAN, M.A., formerly Mathematical Master at the Haberdashers' Aske's School. 6th Edition. 3s. [*Bell's Mathematical Series.*]
- Arithmetic.** By F. W. DOBBS, M.A., and H. K. MARSDEN, M.A., Assistant Masters at Eton College. Part I, 2nd Edition, 3s. 6d. Part II, 3s. 6d. [*Bell's Mathematical Series.*]
- Commercial Arithmetic and Accounts.** By A. RISDON PALMER, B.A., B.Sc., and J. STEPHENSON, M.A., M.Com., B.Sc. (Econ.), both of the Regent Street Polytechnic. 6s. net. [*Bell's Mathematical Series.*]
"It almost makes one wish one were a modern child so that one could be educated on such a book."—*Nature.*
- A Shilling Arithmetic.** By J. W. ROBERTSON, M.A., B.Sc. Mathematical Master at Robert Gordon's College, Aberdeen. 6th Edition. 1s. 6d. net; with answers, 2s. net. [*Bell's Mathematical Series.*]
"Deserves the attention of the teacher. . . Carefully devised and arranged original examples . . . is practical throughout."—*Nature.*
- Baker and Bourne's Elementary Algebra.** 15th Edition. 5s.
- Baker and Bourne's Shorter Algebra.** 3rd Edition. 3s.
- Baker and Bourne's First Algebra.** 9th Edition. 2s. 6d.
- Baker and Bourne's Elementary Geometry.** 11th Edition. revised. 5s.
- Baker and Bourne's New Geometry.** 3rd Edition. 3s.
- Baker and Bourne's First Geometry.** 4th Edition. 1s. 9d.
- Borchardt and Perrott's Geometry for Schools.** By W. G. BORCHARDT, M.A., and Rev. A. D. PERROTT, M.A., of Cheltenham College. 5s.
- Analytical Geometry of the Straight Line and Circle.** By JOHN MILNE, M.A., Senior Mathematical Master of the Mackie Academy, Stonehaven. Crown 8vo. 5s. [*Bell's Mathematical Series.*]
- Borchardt and Perrott's New Trigonometry for Schools.** 11th Edition. 5s.
- Borchardt and Perrott's Junior Trigonometry.** 4s.
- Borchardt and Perrott's First Numerical Trigonometry.** 3s.

MATHEMATICS (continued)—

- Pendlebury's Elementary Trigonometry.** 6th Edition. 5s.
- Plane Trigonometry.** By H. L. REED, M.A., Assistant Mathematical and Science Master, Westminster School. 2nd Edition. 4s. 6d. [*Bell's Mathematical Series.*]
"After a trial extending over two and a half years, we have no hesitation in declaring it to be the best school book on the market."—*A.M.A.*
- Statics.** By R. C. FAWDRY, M.A., B.Sc., Head of the Military and Engineering Side, Clifton College. 5s., or in two parts. Part I, 3rd Edition. 3s. Part II, 2s. 6d. [*Bell's Mathematical Series.*]
"This book can be confidently recommended."—*Nature.*
- Dynamics.** By R. C. FAWDRY, M.A., B.Sc. 5s. Or Part I, 2nd Edition. 3s. Part II. 2s. 6d. [*Bell's Mathematical Series.*]
"A valuable feature is the building up of the subject along historical lines."—*The Times.*
- A First Course in the Calculus.** By W. P. MILNE, M.A., D.Sc., and G. J. B. WESTCOTT, M.A., Head Mathematical Master, Bristol Grammar School. Crown 8vo, with answers. 3s. 6d. [*Bell's Mathematical Series.*]
- Differential Calculus for Colleges and Secondary Schools.** By CHARLES DAVISON, Sc.D., Mathematical Master at King Edward's School, Birmingham. Crown 8vo, with Revision Exercises, Essays, and Problem Papers. 6s.
- Mathematical Problem Papers for Secondary Schools.** By C. DAVISON, M.A., Sc.D. Second Edition. Crown 8vo. 3s.

SCIENCE

(Chemistries by Prof. Smith.)

- Introduction to Inorganic Chemistry.** By ALEX. SMITH, B.Sc., Ph.D., F.R.S.E., Prof. of Chemistry and Head of the Department, Columbia University. 35th thousand. 10s. 6d. net.
- Experimental Inorganic Chemistry.** A Laboratory Outline for use with the above. 6th Edition, revised. 4s. net.
- General Chemistry for Schools.** 45th Thousand. New Edition, revised and enlarged. 9s. net.
- A Laboratory Outline of General Chemistry.** For use with the General Chemistry. 4th Edition, revised. 47th thousand. 4s. net.
- Elementary Chemistry for Schools.** Adapted for use in English Schools by H. A. WOORTON, M.A., B.Sc., late Senior Science Master, Westminster School. 6s. net.
- A Laboratory Outline of Elementary Chemistry.** For use with the Elementary Chemistry. 2s. 6d. net.
- Inorganic Chemistry.** By JAMES WALKER, B.Sc., Ph.D., F.R.S., Professor of Chemistry, Edinburgh University. 11th Edition, revised and enlarged. 5s. net.
- Inorganic Chemistry for Upper Forms.** By P. W. OSCROFT, M.A., Uppingham School. 2nd Edition. 6s. net.
- An Introduction to Chemistry.** By D. S. MACNAIR, Ph.D., B.Sc. 8th Edition. 2s. 6d.
- A First Year's Course of Chemistry.** By J. SINCLAIR, M.A., B.Sc., Head Master of Shawlands Academy, Glasgow, and G. W. M'ALLISTER, M.A. 2nd Edition. 1s. 9d.
- An Introduction to the Study of Plants.** By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., and E. J. SALISBURY, D.Sc., F.L.S., both of the East London College. 3rd Edition. 6s. net.
- Elementary Studies in Plant Life.** By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., and E. J. SALISBURY, D.Sc., F.L.S. 3rd Edition. 3s. net.
- Elementary Botany.** By PERCY GROOM, M.A., D.Sc., F.L.S., Professor of the Technology of Woods and Forests in the Imperial College of Science and Technology. 15th Edition. 4s.
- Food Gardening.** By H. V. DAVIS, B.Sc., Lecturer in Rural Science and Gardening in the Cheshire County Training College, Crewe. 2nd Edition. 1s. net.

G. BELL & SONS, Ltd., York House, Portugal St., W.C.2.

RECENT AND STANDARD TEXT-BOOKS

ENGLISH.

Mason's New English Grammars. Revised, in accordance with Modern Requirements, by A. J. ASHTON, M.A.

Junior. 8th Edition. 1s. 9d.

Intermediate. 5th Edition. 2s. 6d.

Senior. 5th Edition. 3s. 6d.

Aids to the Writing of English Composition. By FRED W. BEWSHER, B.A., Assistant Master at St. Paul's School. Crown 8vo. 3rd Edition. 1s. 6d. net.

Exercises in English. By FRED W. BEWSHER, B.A. Crown 8vo. 3rd Edition. 1s. 6d. net.

English Composition. By R. S. BATE, M.A. Crown 8vo. 4s. 6d.

"It contains a wealth of quotation and illustration, and is a sound and useful manual covering the ground in detail."—*The Times*.

A Practical Course in English. By E. J. BALLEE, B.A., Whitgift Grammar School, Croydon. Crown 8vo. 4th Edition. 2s.

Bell's Shakespeare for Schools. Edited by S. P. B. MAIS, M.A., Assistant Master at Tonbridge School. Pott 8vo. With numerous illustrations by the late BYAM SHAW. Sixteen Volumes now ready. 1s. 6d. each.

An Outline History of English Literature. By W. H. HUDSON, late Staff Lecturer in English Literature to the Extension Board, London University. Crown 8vo. 6th Edition. 3s. 6d. net.

Representative Passages from English Literature. A companion volume to the above. Crown 8vo. 2nd Edition. 3s. net.

A Short History of English Literature in the Nineteenth Century. By W. H. HUDSON. Crown 8vo. 3s. net.

Essay Writing. By B. L. K. HENDERSON, D.Lit., F.R.Hist.S., and ARNOLD FREEMAN, M.A., B.Lit. With a Preface by ALBERT MANSBRIDGE. Fcap. 8vo. 1s. 6d. net.

A History of the English Language. By T. R. LOUNSBURY, Professor in Yale University. New Edition, revised. Crown 8vo. 6s. net.

An Introduction to English Literature. By H. S. PANCOAST. 4th Edition, enlarged. Crown 8vo. 7s. 6d. net.

Present-Day Précis. By A. W. READY, B.A., Army and University Tutor, formerly Scholar of Wadham College, Oxford. An entirely New Edition, rewritten to fit present requirements. Crown 8vo. 2s. 6d.

Essays and Essay Writing. By A. W. READY, B.A. 8th Edition. Crown 8vo. 3s. 6d. net.

Matriculation Précis. By S. E. WINBOLT, M.A., Christ's Hospital. 3rd Edition. Crown 8vo. 1s. 3d. net. Key separately, 6d. net.

FRENCH.

Mackay and Curtis's French Course. Two Parts, 116th Thousand. 1s. 6d. net and 2s. net.

A French Course. By R. P. ATHERTON, M.A., of Haileybury College. Part I, 5th Edition, 1s. 9d. Part II, 3rd Edition, 2s.

Ceppi and Deshumbert's Modern French Grammar. Issued with the Grammatical Rules either in French or in English. 2nd Edition. 3s. net.
"The best of all recent grammars."—*Spectator*.

Gasc's French Dictionaries.

Gem, 137th Thousand, 2s. net.

Condise, 9th Edition, 5s. net.

Pocket, 106th Thousand, 3s. net.

Standard, 15th Edition, 12s. 6d. net.

NEW READERS.

Contes pour les Commencants. By Mrs. C. M. NESBITT. Printed in large clear type. Illustrated. With full Vocabulary, 1s. 6d. net.

Easiest French Reader. By MARC CEPPI, Whitgift School, Croydon. Fully Illustrated. With or without Vocabulary. 1s. 6d. net.
A new quite elementary reader, printed in large type.
... educationally sound. ... These little sketches are full of interest."—*Times Educational Supplement*.

Nouveaux Récits Héroïques. Fully Illustrated. With or without Vocabulary. 1s. 9d. net.

Fresh stories from "Les Livres Roses," containing Les Canadiens Héroïques, Les Enfants Héroïques de 1914, and La Guerre des Tanks.

"There is no doubt that these tales will be read with absorbed interest by all the children who are at all capable of doing so. The last story, 'La Mort du Tank,' is exciting enough for any guide, scout, or cadet."—*Times Educational Supplement*.

FRENCH (continued)—

Récits Héroïques. By CHARLES GUYON, Inspecteur d'Académie Honoraire. Edited, with Questionnaire and Vocabulary, by MARC CEPPI. Illustrated. 5th Edition. 1s. 9d. net.

Contains stories dealing with "La Guerre dans les Aïrs," "La Guerre sur Mer," and "Nos amis les Anglais."

C'est la Guerre! Stories of the Great War. By MARC CEPPI. Illustrated. With or without Vocabulary. 7th Edition. 1s. 6d. net.

Flips et Compagnie. By MARC CEPPI. Illustrated stories of Animal Life. With or without Vocabulary and Questionnaire. Crown 8vo. 1s. 6d. net.

"A pleasant, easy Reader for a class that has just finished its first French Reader. It has a vocabulary and a questionnaire, and can be safely recommended."—*Educational News*.

Matriculation French Free Composition. By F. A. HEDGCOCK, M.A., D. ès L., French Master at University College School, formerly Lecturer at Paris and Birmingham Universities; and H. LUGUET, Agrégé de l'Université de Paris. 2s. 6d. net.

A First French Prose Composition. Based on Conversation and Imitation. By F. W. WILSON, Ph.D., and C. A. JACCARD, Lic. ès Lettres, Assistant Masters at Clifton College. Crown 8vo. 2nd Edition. 1s. 9d. net. Key, 10d. net.

CLASSICS.

A Latin Course for the First Year. By E. C. MARCHANT, M.A., Fellow of Lincoln College, Oxford, and J. G. SPENCER, B.A., Assistant Master at St. Paul's Preparatory School. In three parts. Crown 8vo. With Coloured Plates and numerous other Illustrations. 1s. 9d. each.

A Concise Latin Course, Part I. By E. C. MARCHANT, M.A., and J. G. SPENCER, B.A. 7th edition, revised, with the long accents marked throughout the Latin exercises. Crown 8vo. 2s. 6d.
This course is written on the lines recommended by the Classical Association, and adopted by the Board of Education.

A Concise Latin Course, Part II. By E. C. MARCHANT, M.A., and S. E. WINBOLT, M.A. 4th edition. Crown 8vo. 3s.
"The plan is excellent."—*Guardian*.

A Latin Prose Grammar. By E. L. CHURCHILL, B.A., and E. V. SLATER, M.A., of Eton College. 2nd Edition. 4s.
"This new Latin grammar by two Eton masters has several new and highly commendable features."—*The Journal of Education*.

One-Term Series of Latin Classics.

Cicero's Pro Milone. Edited by C. E. LAURENCE, M.A., Assistant Master of Haileybury College. 1s. 3d.

Livy's Veti and the Etruscan Confederacy. Edited by S. E. WINBOLT, M.A., Christ's Hospital, West Horsham. 1s. 3d.

Illustrated Classics.

52 volumes, including Caesar's Gallic War, Virgil's Aeneid, Cicero, Ovid, Livy, Horace, &c. Each volume carefully edited, with Introduction, Full Notes, and Vocabulary. 1s. 9d. each.

Simplified Latin Classics.

Nine volumes drawn from Caesar, Virgil, Livy, &c. Simplified as to text, fully Illustrated, with Notes and Vocabulary. 1s. 6d. each.

Illustrated Latin Readers. Edited by E. C. MARCHANT, M.A. With short Notes and Vocabulary. 1s. 6d. each.

Scalae Primae. Simple Stories for Translation. By J. G. SPENCER, B.A. With 20 Illustrations. 11th Edition.

Scalae Mediae. Extracts from Eutropius and Caesar. By PERCY A. UNDERHILL, M.A. With 20 Illustrations. 11th Edition.

Scalae Tertiae. Graduated Extracts in Verse and Prose from Phaedrus, Ovid, Nepos, and Cicero. By E. C. MARCHANT, M.A. With 28 Illustrations. 5th Edition.

Fabulae Antiquae. By A. M. CROFT, B.A., Girls' Modern School, Leeds. Illustrated, with or without Full Vocabulary. 1s. 6d.

Dialogues of Roman Life. By S. E. WINBOLT, M.A., Christ's Hospital. Illustrated. 2s. 6d.

A series of dialogues, both original and adapted, which are written in accordance with the general aims of the Summer School for the Reform of Latin Teaching.

De Ducibus. Selections from Cornelius Nepos. By W. G. BUTLER, M.A., Christ's Hospital. With numerous Illustrations and brief Grammatical Notes. Fcap. 8vo. 1s. 9d.

This book is intended for pupils who are not yet quite proficient enough to translate Caesar and Livy.

Books of the Emperors. A new series of Illustrated Latin Readers. By E. C. MARCHANT, M.A. With Notes and Vocabulary. Illustrated. Book I. 2nd Edition. 1s. 3d.

G. BELL & SONS, Ltd., York House, Portugal St., W.C.2.

English.

- "The Bankside Acting Edition of Shakespeare."—The Comedy of Errors; The Tempest. *Wells Gardner*. Price 1s. net each. McDougall's Concise English Course. By Arthur Mercer. *McDougall*. Price 1s. 6d.
- "Gateways to Bookland."—No. 4: Vistas of Romance. Price 2s. 8d. No. 5: Within the Gates. Price 3s. No. 6: In Kings' Gardens. Price 3s. *McDougall*.
- The Contemporary Short Story. By Harry T. Baker. *Harrap*. Price 6s. net.
- How and What to Read: Suggestions Towards a Home Library. By R. R. Buckley. *Williams & Norgate*. Price 2s. 6d. net.
- "Australasian Literature Primers."—Wordsworth. By A. R. Osborn. *Whitcombe & Tombs*. Price 1s. 6d.
- Self-Help Exercises in Essay Writing. By J. Hardman. *Pitman*. Price 10d.

Geography.

- "Great Cities of the World."—London, Petrograd, Venice, Constantinople. Price 3d. each. Vol. I: Paris, Berlin, Rome, New York, Melbourne. Price 1s. 3d. net. *McDougall*.
- The Kingsway Book of Practical Geography. By R. J. Finch. *Evans*. Price 3s. 6d. net.

History.

- The Sea Commonwealth, and Other Papers. Edited by Dr. A. P. Newton. *Dent*. Price 3s. 6d. net.
- The State: Elements of Historical and Practical Politics. By Woodrow Wilson. Special Edition, revised to December 1918 by Prof. Edward Elliott. *Harrap*. Price 10s. 6d. net.
- Law Reform in China. By Dr. Wang Chung-Hui. The Relations between China and Japan during the last Twenty-five Years. *Allen & Unwin*. Price 3d.
- La Question du Pacifique et la Presse Française. Cahors: *Imp. Coueslant*. Price 50 centimes.
- The Ships of Peace. By Basil Mathews. *Milford*. Price 2s. 6d. net.
- A Short History of the Great World War. By F. M. Bridge. *Deane*. Price 6s. net.
- Britain in the Middle Ages: A History for Beginners. By F. L. Bowman. *Cambridge University Press*. Price 3s. net.

- "Little Books of World History."—The Wars of the Cross. Price 9d. Four Dreamers of World Power: Philip II, Louis XIV, Napoleon, and William II. Price 9d. Before the Great War: Treaties Kept and Broken. Price 9d. The Turks in Europe. Price 9d. Belgium and Holland: their Fight for Freedom in Days of Old. Price 9d. *McDougall*.
- "Helps for Students of History."—No. 8: The French Wars of Religion. By A. Tilley. Price 6d. net. No. 13: The French Renaissance. By A. Tilley. Price 8d. net. No. 14: Hints on the Study of English Economic History. By Dr. W. Cunningham. Price 8d. net. No. 15: Parish History and Records. By A. H. Thompson. Price 8d. net. No. 16: An Introduction to the Study of Colonial History. By Dr. A. P. Newton. Price 6d. net. *S.P.C.K.*
- Notes on the War. By G. H. Hallam. Third Series. March 1917 to January 1919. (Nos. 30-51.) Price 2s. 6d. The War in a Nutshell; or, the Shortest History of the Great War (from the Author's "Notes on the War"). By G. H. Hallam. Price 3d. Harrow: *School Bookshop*; or, *Editor, Ortygia*.

Mathematics.

- Easy Test Papers in Arithmetic and Algebra. Arranged by W. S. Beard. *Methuen*. Price 1s. 6d.
- McDougall's Arithmetic and Accounts, Books I and II. *McDougall*. Price 1s. 6d. each.
- The Inductive Arithmetic. By E. Sankey. Pupil's Books I, II, and III, price 4½d. each; IV, V, and VI, price 6d. each. *Edward Arnold*.
- Class Teacher's Books. With Answers, Notes on Method, and Oral Exercises. I, II, and III, price 1s. 6d. each; IV and V, price 2s. each. *Edward Arnold*.

Miscellaneous.

- Britannia's Pageant of Peace. By G. Davidson. *French*. Price 1s. 6d. net.
- The Anatomy of Society. By Gilbert Cannan. *Chapman & Hall*. Price 5s. net.
- Five Months on a German Raider: being the Adventures of an Englishman captured by "The Wolf." By F. G. Trayes. *Headley*. Price 3s. 6d. net.

(Continued on page 392.)

38 Soho Sq.,
London, W.1.**CHAMBERS'S LIST**339 High St.,
Edinburgh.**MACHINE
DRAWING AND SKETCHING**

By JOHN H. DALE, A.M.I.M.E. Quad. Hons.,
Bronze Medallist, Winner of King's Prize in
Machine Drawing, Lecturer in Engineering at
the Darlington Technical College.

3s. 6d. net.

The book is intended for the use of students of
about the fourth and fifth years of a Technical
Course. It contains 84 machine drawing examples,
most of which are presented in the pictorial. Each
example is complete in itself and, with the necessary
homework, is estimated to occupy one class-night.
There are also 200 sketches of machine details and
190 questions on sketching, numerical calculations,
and workshop practice.

**STUDENT'S HISTORY OF
ENGLAND & GREAT BRITAIN**

By W. J. BEES, B.Sc.

772 pages, 6s. net.

PART I—55 B.C. to 1485 A.D.; II—1485 to 1910. Each
3s. net. SECTION I, 1066 to 1485; 2, 1485 to 1714;
3, 1688 to 1910. Each 2s. net.

The Teacher says—"An ideal text-book. This is
decidedly one of the very best of students' English
histories that we have seen, and we very heartily
commend it to the notice of teachers and students in
secondary schools, and indeed in all institutions
where English history is taught."

**CHAMBERS'S
PERIODIC HISTORIES**

In this series due prominence is given to the de-
velopment of social life; the progress in arts and
crafts; the advancement of learning; the great
struggles for religious and political liberty; the
growth of the constitution.

Book III—England in the Making. 1s. 9d.
Book IV—England in the Middle Ages. 2s.
Book V—England under Tudor and Stuart
Kings. 2s.
Book VI—Britain in Modern Times. 2s. 3d.
Book VII—The Story of England's Rise and
Progress. 2s. 6d.

**NEW COMMERCIAL
ARITHMETIC**

By P. COMRIE, M.A., B.Sc., F.R.S.E.,
and W. WOODBURN.

PART I, 1s. 6d. net. With Answers, 2s. net.
Answers, 6d. net.

**COMMERCIAL
CORRESPONDENCE**

OFFICE ROUTINE AND
MERCANTILE PRACTICE

By G. R. WALKER.

288 pages, 3s. 6d. net.

Also separately, First Year's Course, 1s. 6d. net.
Second Year's Course, 2s. 6d. net.

Commercial Copy Books—

Book I, 6d. net; Book II, 6d. net.

**COMMERCIAL GEOGRAPHY
OF THE WORLD**

By Prof. A. J. HERBERTSON, M.A., Ph.D.,
F.R.S.E., and JAMES COSSAR, M.A.

New Edition. 536 pages. 3s. 6d. net.

Separately—

PART I—British Isles. 1s. 6d. net.

PART II—The World Outside the British Isles.
2s. 6d. net.**CHAMBERS'S
ETYMOLOGICAL DICTIONARY**

Enlarged Edition. 694 pages. 2s. 6d. net.

Containing Supplement of 85 additional pages
embodying all the most recent words, including
compound words and phrases.

**A NEW GEOMETRY
FOR SCHOOLS**

By G. LAWSON, M.A., Rector, Waid Academy,
Anstruther.

Books I-III (Corresponding to Euclid's Elements,
I-IV), 2s. net. Books I-IV (Corresponding to
Euclid's Elements, I-VI), 2s. 6d. net.

**PLANE GEOMETRY
PRACTICAL AND THEORETICAL**

By J. S. MACKAY, M.A., LL.D.

Books I-V (Corresponding to Euclid's Elements,
I-VI), 3s. 6d. net. Books I, II, and III, 2s. 6d. net.
Books IV and V, 2s. net.

**FOUR-FIGURE
MATHEMATICAL TABLES**

Enlarged Edition.

By G. G. KNOTT, D.Sc., F.R.S.E.
40 pages. Paper, 6d. net. Cloth, 8d. net.

MATHEMATICAL TABLES

By JAMES PRYDE, F.R.S.

Tables of Logarithms (1 to 108900) Logarithmic
Sines, &c., to seven places, 6s. net.

**FIVE-FIGURE
MATHEMATICAL TABLES**

By E. CHAPPELL, B.Sc., Assoc. M.Inst.C.E.,
7s. 6d. net.

The novel features of this work are the Lolog and
Antilog tables, which enable the processes of In-
volution and Evolution to be done by means of
Addition and Subtraction only.

INORGANIC CHEMISTRY

By Prof. F. STANLEY KIPPING, Ph.D., Sc.D.,
F.R.S., and Prof. W. H. PERKIN, Ph.D.,
Sc.D., LL.D., F.R.S. 8s. 6d. net.

PART I, 4s. 6d. net. PART II, 4s. 6d. net.

ORGANIC CHEMISTRY

By Prof. W. H. PERKIN, Ph.D., Sc.D., LL.D.,
F.R.S., and Prof. F. STANLEY KIPPING,
Ph.D., Sc.D., F.R.S. 8s. 6d. net.

PART I, 4s. 6d. net. PART II, 4s. 6d. net.

Wolsey Hall, Oxford

50 TUTORS AND DIRECTORS OF STUDY
All University Graduates with highest honours
selected primarily for their TEACHING ABILITIES

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

I am receiving numerous inquiries from parents in England, and also from abroad, for Schools or Homes for the Summer Holidays. I should be much obliged if Principals, and others, receiving Boys and Girls for the Vacation, would write me at once with full particulars.

Mr. J. H. PATON, EDUCATIONAL AGENT,

Telephone: 143 Cannon Street,
CENTRAL 5053. London, E.C. 4.

The New Way The Best Way

of Teaching Geography with History.

The Requirements of busy Teachers are met in

The New Waverley Publication
now complete,

THE WORLD WE LIVE IN

*An Illustrated description of the Lands and Seas of the
Globe, their Peoples, Animals, Plants, and Products, with
valuable Educational Plates and Pictures,*

and including a section on

"HOW GEOGRAPHY AFFECTS HISTORY."

By Sir H. H. JOHNSTON, G.C.M.G., &c.

"That son of mine . . . twelve years old . . . knows that Lisbon on the Tagus is the capital of Portugal . . . that furry things on the maps are mountains, and he can tell you the export of Burmah. But he doesn't know the least thing about *geography*—real geography. He couldn't tell you by looking at a map whether a bit of road ran uphill or down. He has no idea why London came to stand where it is, and he can't understand why the Huns had only two ways of retreat open to them from France. . . ."

"Well, why should he? We shouldn't if we hadn't been obliged to carry maps all round that silly war."

"BUT THOSE ARE THE THINGS THAT MATTER. . . . Learning names isn't any good. Geography is *the study of the earth's surface*— . . . *it ought to be*; and that is what I would make it in my school. . . . I would have the boys sent to me for a month every year. When they first came they would just learn physical geography. I would show them mountains, capes, peninsulas, and the rest. Then they would go to maps. . . . How many schoolmasters do you suppose ever dream of helping out their geography lessons with Ordnance maps of their own neighbourhood? And all that would lead up to the effect of physical geography on mankind. I would show them WHY cities were built, WHY nations grew powerful and declined and HOW POLITICAL GEOGRAPHY IS A CONSEQUENCE OF PHYSICAL GEOGRAPHY."—(From an article in the *Daily Chronicle*.)

What the Teacher needs—

(a few items from an Index of many thousand References)

Maps and Map Reading—Natural Hot Baths—Fur Bearing Animals—How Plants Emigrate—Rainless Regions—Mineral Wealth—Dervishes—The Cape Hunting Dog—Maize Culture in America—Egg-laying Animals—Belgian Lowland—Andean Republics—The Beginnings of Life—The Action of Waves—The Basin of Vienna—The Tailless Lemur—Tar Sands—The Deforestation of Cyprus—West Indian Sugar Planting—Hailstorms—The Donegal Highlands—Cannibalism—The Formation of Straits—The Primitive Horse—The Great Salt Lake of Utah—The Ice Age—Fish Canning—The Minerals of Chili—The Deforestation of Ireland—Monsoons in the East Indies—Eastern Siberia, &c., &c.

Sir JAMES YOXALL says:

"This work is 'a Teacher's Aid' and a Reader's Delight."

FREE.

An Educational Booklet presenting Prepared Lessons on the new Teaching of Geography with History.

A Fascinating Gift for Teachers.

To THE WAVERLEY BOOK CO., Ltd. (J.E.G. Dept.),
7, 8, & 9 Old Bailey, London, E.C. 4.

Please send me a presentation copy of "NEW LESSONS IN GEOGRAPHY," your special Booklet for Teachers, containing, together with your FREE offer of a Scheme of Work in Geography, for Teachers, full details concerning "THE WORLD WE LIVE IN." It is understood that I am under no obligation to order anything, having accepted this Free Booklet.

NAME.....
(Send this form or a post card.)

ADDRESS.....

J.E.G. 1919.

1,000 Questions in General Knowledge. By H. Smith. *Evans*.
 "At Last": Conclusion of "Woman's Effort." By A. E.
 Metcalfe. *Blackwell*. Price 1s. 6d. net.
 The New Britain. By W. Draper. Second Thousand *Headley*.
 Price 2s. net.
 War Aims and Peace Ideals. Edited by Prof. T. Brooke and
 Dr. H. S. Canby. *Milford*. Price 8s.
 La Liquidation du Romantisme. Par F. Y. Eccles. *Oxford Uni-*
versity Press. Price 3s. 6d. net.
 Fresh Hope and Health for Hospital Patients and Invalids. By
 Cecilie Muller. Second Edition, Revised. With Twenty-six
 Illustrations. *Bell*. Price 2s. net.

PRIZE COMPETITIONS.

THE winner of the Translation Prize for April is Miss A. Delibes, 4 Avenue du Collège, Morlaix, Finistère.
 The Translation prize for May is awarded to "Rusticus Exspectans," and the second place to "Dob."

Extract from de Tocqueville's "La Démocratie en Amérique."

By "RUSTICUS EXSPECTANS."

In democracies it is far from being the case that all who take an interest in literature have received a literary education; and, even among those who have some tincture of polite letters, the greater part follow a political career, or else they embrace a profession from which they can step aside only at odd moments and taste by stealth the pleasures of the mind. They do not, therefore, make of those pleasures the chief attraction of their existence, but regard them as a fleeting, though necessary, distraction amid life's serious tasks. Such people can never acquire a knowledge of the literary art profound enough for an appreciation of its delicacy; minute and fine shades of meaning escape their notice. They like books which they can get without trouble, books which are read quickly, and do not call for learned researches in order to under-

stand them. They demand a type of beauty that is easy in its self-surrender, and which they can immediately enjoy; above all, they must have what is novel and unexpected. Accustomed to a monotonous, struggling, matter-of-fact existence, they feel the need of quick and lively emotions, of sudden flashes of illumination, of dazzling truth and dazzling error, taking them out of themselves upon the instant, and introducing them straightway, and as if by violence, to the heart of the subject.

Taken in its entirety, the literature of democratic epochs cannot present, in the same way as it does in aristocratic times, the impress of order and regularity, of science and art. As a general rule, form will be found neglected and at times despised; often a bizarre and incorrect style will reveal itself, diffuse and flabby, and almost always vehement and breaking bounds. Its authors will aim at rapidity of execution rather than at finish in details. Short compositions will be commoner than large works, wit than learning, imagination than deep feeling. Its thought will be dominated by a rude, an almost savage, force, and in the products of such ages there will often be a very great variety, a singular richness. The endeavour will be to astonish rather than to please, and strenuous efforts will be made to engage the passions rather than to gratify the taste.

De Tocqueville, in writing this passage, obviously had in mind the difference between the literature of the age of Louis XIV and that of his own generation. To consider how far his descriptions can be justified by English, American, and French literature would be fascinating, but we have no space for the attempt. "Rusticus Exspectans" has given us a good crisp version, which calls for little criticism. "Polite letters" is certainly the right rendering of *belles-lettres*, though only two candidates besides the prize-winner chose it. To transcribe *belles-lettres* argues ignorance of English; no one who loves his mother-tongue will admit a foreign word into a literary composition if he can possibly avoid it; even "bizarre" is doubtful. "Attraction" and "distraction" in succeeding lines is an offence against euphony. The sentence, "do not call for learned researches in order to understand them," is clumsy; say, rather, "do not require for their comprehension learned research." For *surchargé*, "overloaded" is an exact equivalent; the word implies excess of ornament or epithet, or too

(Continued on page 394.)

The Technical College

LOUGHBOROUGH, LEICESTERSHIRE.

H. SCHOFIELD, M.B.E., B.Sc. (Hons.) Lond.; A.R.C.Sc.Lond., A.M.I.C.E., PRINCIPAL.

DEPARTMENTS OF MECHANICAL, ELECTRICAL AND MOTOR ENGINEERING.

Complete Courses of Training are arranged in both Theory and Practice of the above branches of Engineering.

The Workshops of the College provide accommodation for 500 students working at the same time.

The equipment is on most modern and comprehensive lines, and comprises plant for turning, fitting, milling, grinding, automatic lathe operating and tool setting, tool and gauge making, foundry work, pattern making, drawing office work, heat treatment, viewing and testing of all kinds.

None but first-class work of a productive character is undertaken by the students, working under the skilled supervision of a fully qualified technical staff.

The complete course covers a period of five years, during which works training in all the above sections will be given, and this will be accompanied by a full theoretical course of instruction in the College Lecture Rooms and Laboratories.

Intending students should be at least sixteen years of age, and have had a good Public School or Secondary Education.

The fee is £5. 15s. 6d. per term, and there are three terms in the College session.

Boarding accommodation is provided in Hostels attached to the College, full particulars of which, together with illustrated Prospectus, will be forwarded upon application to the Principal.

W. A. BROCKINGTON, O.B.E., M.A.,

Director of Education.

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trant College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of
Uniforms, Head-dresses, Accoutrements, Lace, and Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Arnilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

BOOKS

On Educational, Scientific, Medical, Law, Theological and ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants.

Books Bought.

W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C.2.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126.

Teachers Registration Council

Representative of the Teaching Profession

(Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a

REGISTER OF TEACHERS

is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C.1.

JUST PUBLISHED.

415 pages, Crown 8vo, with upwards of 70 Illustrations and a Folding Map of the three Ridings. Strongly bound in cloth boards. **2s. net.** Post free, **2s. 4d. net.**

The County of the White Rose

AN INTRODUCTION TO THE HISTORY
AND ANTIQUITIES OF YORKSHIRE.

BY

A. C. PRICE, M.A.,

Formerly Scholar of Pembroke College, Oxford, Author of "Leeds and its Neighbourhood," &c.

EDUCATION.—"This book is well worth reading by all who love the history of our country. Much History has been made in Yorkshire, and here we get just enough about it to make us want to know more. There are chapters on the Land and its Inhabitants, from the earliest historical times down to modern Yorkshire—castles, abbeys, churches, towns, each in turn are described and illustrated. There are 383 pictures, plans, and maps. The whole book is a treasury of information and most delightful reading."

LONDON:

A. BROWN & SONS, Ltd.,

5 Farringdon Avenue, E.C.4, and at Hull and York.

MESSRS. W. HEFFER & SONS, LTD., BOOKSELLERS, CAMBRIDGE,

are always glad to receive offers of School and College Textbooks and Books in General Literature, in small parcels or in quantities.

In preparation, to be issued in September:

A CATALOGUE OF SCHOOL AND COLLEGE TEXTBOOKS.

Post free on application.

Telegrams and Cables: **Heffer, Cambridge.**
Telephone: **862.**

All Persons Interested in Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge **Le Maître Phonétique**, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of **Le Maître Phonétique** (from 1889) on application.

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	...	net	6/-
THE GIRLS SCHOOL YEAR BOOK	...	"	6/-
THE SCHOOLMASTERS YEAR BOOK	...	"	15/-
THE DIRECTORY OF WOMEN TEACHERS	...	"	10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,
31 Museum Street, LONDON, W.C.1.

great violence of language. *Il y régnera une force inculte et presque sauvage*: there is much of this rude and almost barbaric power in Hugo, Michelet, Carlyle, and others, whose minds seem to have been not so much guided by reason as under the sway of the great elemental forces of human nature.

We classify the 127 versions received as follows:—

Class I.—(a) Rusticus Exspectans, Dob, Dane, E.A.N., Boy, Papinian, Bésigue.

(b) Granfer, Sobrina, Omar, Etern, Obscura, Poisson d'Avril, Playshaw, W.G., Thomond, Llanandras, Goldie, F.B., Esse quam videri, Menevia, Tantalus, Mamble, Moi, M.A., Maridunum.

Class II.—Percy, Gilbey, Sirach, Ziebar, F.T.D., W.W.M., Meiros, Timbuctoo, Jacqueline, Hlawill, Rose, Somewhen, Switzerland, M.M.H., Jolande, Isolde, Chingleput, West Wind, Amalek, Petite Bête, B.O.K., Cablegram, E.L.K., C.F., James, Malvina, Albion, Serclun, Tom Turk, Puella, La Devonne, Leander, Oswald, Egg, Rolyan, Loo, Camel, Carisbrooke, Borderer.

Class III.—R.M.B., Hope, Derdlim, Ken, Herb Robert, C.L., Bridget, Jack, River, Embark, C.T., Cymraes, Ichabod, C.C.F., Clune, Sperare est humanum, Moloch, Dash, Corncrake, C.W.J., Hibernia, Corkscrew, M.M., Sirius, Aster, Einna, Kathrick, Lonely, Frerodosia, Salamander, San Fairey, Chipwork, Britannia, Réveuse, Goo-goo, Trefoil, Bomb, Catrina, Busy Bee.

Class IV.—Caractacus, Ayesha, Ekkehard, R.H.R.R., Decky, Reinga, Wyuna, Pegs, Vivienne, Alcie, Basil, Antelope, Wynne, Howarth, Réver, Bubbles.

Class V.—Aspirant, Yvonne, Rhino, Pip, Catriona, Pipette, Frances.

A Prize of Two Guineas is offered for the best translation of the following extract from Th. Jouffroy's lecture on "L'Etat actuel de l'Humanité," delivered in 1826:—

Il ne faut pas qu'on s'y trompe, la civilisation, en s'avancant, a élevé la mission de l'homme d'Etat; l'instruction et les vœux qui suffisaient jadis à un Richelieu ne suffisent plus aujourd'hui. Il ne

s'agit plus aujourd'hui en politique de la balance de l'Europe, mais de l'avenir de l'humanité. Les guerres civiles de l'Europe sont finies; la rivalité des peuples qui la composent va s'éteignant, comme s'éteignit, sous la domination d'Alexandre, la rivalité des cités grecques, et comme s'effaça, sous l'unité de la domination royale, la diversité des provinces de la France. La Grèce devint une seule nation sous Alexandre; et la question qui était auparavant entre Lacédémone, Athènes, la Béotie, et la Macédoine, fut entre la Grèce et la Perse. Et de même l'Europe commence à n'être plus qu'une nation depuis qu'il y a une Amérique, une Asie, une Afrique. C'est de l'unité de l'Europe contre ces masses, et de la balance de ces masses entre elles que l'homme d'Etat doit à présent s'occuper. M. Canning avait commencé à le comprendre; c'est là son titre de gloire et la pensée qui lui a valu d'un bout à l'autre de l'Europe les applaudissements du sens commun que cette pensée avait fait tressaillir. Les grandes idées couvent longtemps dans les esprits avant de s'y préciser: celui-là a du génie qui le premier les met en lumière. Le ministre, qui, sortant le premier des idées étroites du patriotisme, conduira la politique de son pays, non vers le but usé de son agrandissement et de l'abaissement de ses voisins, mais au profit et dans le sens de l'union de l'Europe et de la civilisation du monde par l'union et les idées de l'Europe, ce ministre-là sera l'homme d'Etat du dix-neuvième siècle, et fera la puissance et la gloire de sa patrie, précisément parce qu'il aura abjuré le dogme du patriotisme.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on June 14, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

NAPLES

(Italy)

LUIGI LUBRANO

— Editore —

VIA COSTANTINOPOLI 103

NAPLES

(Italy)

Bollettino del Bibliofilo

Notizie — indici — illustrazioni di libri a stampa e manoscritti.

PUBBLICAZIONE MENSILE

DIRETTA DAL BIBLIOTECARIO

CAV. ALFONSO MIOLA

Bibliographical Review of the greatest importance for collectors of historical and Italian prints. :: Indispensable for Public Libraries and for lovers of early printed books.

Annual Subscription (November-1918 — October 1919), 36 francs

The Double Number 4-5th contains:

EMIDIO MARTINI — La rivendicazione dei manoscritti napoletani mandati a Vienna nel 1718.

GIOVANNI BRESCIANO — Le insegne dei tipografi napoletani nel XV e XVI secolo.

ALFONSO MIOLA — Catalogo storico topografico descrittivo dei manoscritti della Brancacciana di Napoli.

Offerte e desiderata: Notizie; Recentissime pubblicazioni; Legature del XVI-XVIII secolo descritte ed offerte in vendita. **84 pp., with 60 Reproductions, 7 francs.**

NAPLES

LUIGI LUBRANO

NAPLES

The Future Career Association.

(Established 1904.)

CONVEYANCING DEPARTMENT.

This Department is now under the direction of **Mr. F. C. NEEDES, B.A.**, whose experience, advice, and assistance are unreservedly placed at the disposal of **Purchasers** free of charge.

TRANSFERS and PARTNERSHIPS arranged by correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

An **unusual opportunity** offers itself to a young energetic lady of good social position, with educational qualifications, to acquire a **partnership** in one of the best **Finishing Schools** near London. Sound investment, but monetary consideration of secondary importance.

FOR SALE (*inter alia*).

- Surrey.—High Class Girls' Day School**, worked on Public School lines. 44 pupils. Receipts £936 last year. Good premises, with well-equipped class room—all "Louise" desks, &c.; handsome gym. and Assembly Hall, with every gym. apparatus. Good garden. Rent £110. Fine scope for developing a large Day School. Boarders can be easily secured if desired. Purchaser should be a lady of good Educational qualifications and definite Church views. Goodwill, one term's fees. School furniture, &c. at valuation. Inspected and recommended.
- Home Counties.—High Class Day** connexion of about 35 pupils to be had, with probably a few young boarders, all at high fees. Good chance of working up a large day connexion. Excellent premises, with grounds of nearly 3 acres. Rent about £300. One Term's capitation fees accepted. Suitable for a lady of good educational qualifications anxious to secure a High Class Day connexion, or a lady wishing to remove her Boarders to an attractive residential locality.
- Cheshire.—High Class Girls'**, unopposed, and situated in a wealthy and hunting centre. 8 weekly Boarders, and 12 Day, all at high fees. Receipts about £1,000. Excellent premises. Expenses small. A lady of good social position and education would find this a unique School and investment. Goodwill £400. Unreservedly recommended.
- On the Borders of the Peak District.**—Flourishing Girls' and Boys' Preparatory of 80 pupils, of whom a few are Boarders. Receipts £1,350 last year. Profits over £600. Splendid investment for two ladies, or for a married gentleman whose wife could assist with the girls. Goodwill and all School furniture, &c., 700 guineas.
- Lincoln.** old estab., **good Middle Class Girls' School**.—19 Boarders. 6 day ditto and 40 Day pupils. Receipts £1,052. Large house and grounds. Rent only £100. Vendor, who is going abroad, will accept one Term's capitation fees.

53 VICTORIA ST., WESTMINSTER, S.W.1

Telephones: Victoria 4168 and 5942.

MURBY'S NEW SCRIPTURE MANUALS. SCHOOL COMMENTARIES BY DR. KNAPP.

"Have now won a place for themselves in the new school commentaries."—*The Journal of Education*.

LARGER Manuals.

ST. MATTHEW
(publication postponed)
ST. MARK
ST. LUKE
THE ACTS

SMALLER Manuals.

ST. MATTHEW
ST. MARK
ST. LUKE
THE ACTS Vol. I (i-xvi)
Vol. II (xvii-xxviii)

By Dr. G. W. WADE & Rev. J. H. WADE.

II SAMUEL
"The name of Dr. Wade is sufficient to guarantee careful and conscientious work and the outcome of his labours and those of his brother is a remarkably clear and solid treatment. . . . The editors have accomplished a difficult task with a remarkable degree of success."—*The Journal of Education*.

The above two new series of Scripture Manuals meet the needs of candidates for the "Local" Examinations.

STUDY CIRCLE OUTLINE, No. 1.

THE ETHICAL TEACHING OF OUR LORD IN ST. LUKE'S GOSPEL, by Dr. KNAPP. Single copy 1d., and postage 3d.

Other Study Circle Outlines in preparation.

THOMAS MURBY & CO., 6 BOUVERIE STREET, E.C. 4.

Société pour la propagation des langues étrangères en France,

28 RUE SERPENTE, PARIS, 6^e.

If you want to—

- receive FRENCH boys or girls in your school;
- offer board and residence for FRENCH people;
- exchange letters with FRENCH correspondents of any class and condition;
- exchange your children for FRENCH during the holidays;
- obtain good masters or mistresses in FRENCH for your schools or your children;

Send us your name, address, prospectuses, &c.

The Society, which is subsidized by the State, makes no charge for these services.

L'AGENT GÉNÉRAL: G. LEMAIRE.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 348.

SUNDERLAND HIGH SCHOOL.

- Wanted, in September:
- (1) A FIRST FORM MISTRESS, with experience, holding the National Froebel Union Diploma. Drawing a recommendation. Salary according to qualifications and experience.
 - (2) A MUSIC MISTRESS, to teach Middle School Piano on modern lines. Good qualifications and experience essential. Dalcroze Eurythmics a strong recommendation, as the visiting Mistress is leaving.

ILFORD COUNTY HIGH SCHOOL FOR BOYS.—Wanted, in September, 1919:—

- (1) SCIENCE MASTER, to teach Elementary Chemistry and Elementary Physics to boys and General Elementary Science to girls.
 - (2) MASTER to teach English, Music, and a little History. Ability at Games a strong recommendation. Initial salary in both cases £150 to £200, according to qualifications, &c. Maximum, £300.
 - (3) SPANISH MASTER, three days per week. Days can be arranged. State salary required.
- Applications to be made on forms to be obtained on receipt of stamped addressed envelope from the CLERK TO THE GOVERNORS.

SOUTHPORT COUNTY BOROUGH EDUCATION COMMITTEE.

SECONDARY SCHOOL FOR GIRLS.
Head Mistress: Miss F. A. ATHY, M.A.

SCIENCE MISTRESS wanted for next September. Chief subject, Botany. Good salary to suitable candidate. Commencing salary allows for previous experience. Copies of scale (which is now under revision), and form of application may be obtained from the undersigned.

W.M. ALLANACH,
Director of Education.
Education Offices,
2 Church Street, Southport.

WEST HAM HIGH SCHOOL,
STRATFORD, E.15.—Wanted, in September, **JUNIOR MATHEMATICAL MISTRESS**. Netbal. Initial salary to Graduate, £140; allowance for experience. Training desired. Apply—HEAD MISTRESS.

Posts Vacant—continued.

DERBYSHIRE EDUCATION COMMITTEE.

CHESTERFIELD GIRLS' HIGH SCHOOL.

Wanted for September:

- (1) SENIOR MODERN LANGUAGES MISTRESS (French and German).
- (2) ASSISTANT MISTRESS, for Science (Chemistry and Physics) and Mathematics.
- (3) JUNIOR FORM MISTRESS.

Training and experience desirable. Initial salary (1), (2) £150 to £165, (3) £135 to £150. Salary scale under revision.

Apply to the HEAD MISTRESS.

RICHMOND (YORKS.) GRAMMAR SCHOOL (Foundation Temp. Queen Elizabeth).

APPOINTMENT OF HEAD MASTER.

The Governors invite applications for the office of Head Master, which will be vacant at the end of the Midsummer Term, 1919. Applicants must be graduates of some University in the United Kingdom. Further particulars and information may be obtained from the undersigned, to whom applications, accompanied by not less than five copies of three recent testimonials, must be sent, not later than Saturday, the 21st June, 1919, at 1 p.m.

By order,
P. C. WENHAM,
Acting Clerk to the Governors.
Richmond, Yorks. May 20th, 1919.

WOODARD SCHOOL,

S. ANNE'S, ABBOTS BROMLEY.—Wanted, in September, a SENIOR MATHEMATICAL MISTRESS. Graduate. Resident post. Salary from £90 to £270, according to qualifications and experience. Apply to the HEAD MISTRESS, S. Anne's, Abbots Bromley, Rugeley, Staffs.

REQUIRED, September, in Secondary School, ASSISTANT MISTRESS to teach Mathematics and Geography; also, if possible, Drill and Class Singing. Form work in the Middle School, degree, and good experience desirable. Salary according to qualifications and experience. Scale for Graduates, £150 to £300; non-Graduates, £130 to £220. Non-resident. Apply to the HEAD MISTRESS, Mills Grammar School, Framlingham.

Posts Vacant—continued.

WISBECH HIGH SCHOOL FOR GIRLS.

APPLICATIONS are invited for the post of HEAD MISTRESS, vacant after July next. Candidates must be graduates of a University in the United Kingdom or hold an equivalent qualification. Present number of pupils about 200, including Preparatory Department. Salary £350, rising by annual increments of £20 to £450, with deduction of £80 per annum for board-residence in School House. For printed form of application apply to the Hon. Sec. J. H. DENNIS, Solicitor, Wisbech.

WANTED, in September, a Resident MASTER for English in Foyle College, Londonderry, Ireland. Salary £150 resident, with share of grants amounting to about £50. Apply to the HEAD MASTER.

THE SECONDARY SCHOOL, CASTLEFORD, YORKS.—Wanted, in September, MISTRESS with special qualification, to teach English. Salary according to West Riding scale. Women minimum, £150; maximum, £330. Form of Application will be sent on receipt of stamped addressed foolscap envelope, and must be returned to the undersigned by June 11th.—Mr. C. T. LIGHTLY (Clerk to the Governors), 77 Carlton Street, Castleford.

REQUIRED, in September:—

- (1) Two FORM MISTRESSES. Principal subjects to be taken between them: good Latin, Mathematics, Botany, Elementary Science.
 - (2) MUSIC MISTRESS. Class Singing and Piano. Modern methods.
- Salaries about £90 resident. All three must be Churchwomen. Apply—HEAD MISTRESS, Clergy Daughters School, Casterton, Kirkby Lonsdale.

PHYSICAL TRAINING.—The Bournville Works Education Committee have a vacancy for a male Teacher of Physical Education. Thorough training in Swedish System essential. Day and Evening Classes. Commencing salary not less than £225 inclusive. Particulars and application forms from R. W. FERGUSON, Education Department, Cadbury Bros. Ltd., Bournville.

Posts Vacant—continued.

SECONDARY SCHOOL FOR GIRLS, EAST DEREHAM, NORFOLK.—Wanted, for September, SENIOR MATHEMATICAL MISTRESS. Degree and experience essential. Scale £150 to £300, with allowance for experience. Apply—HEAD MISTRESS.

THE GIRLS' SCHOOL CO., LTD

ST. COLUMBA'S SCHOOL, KILMACOLM, RENFREWSHIRE.

Wanted, in September:—(1) CLASSICAL MISTRESS, with Honours degree. Initial salary, non-resident, £160 to £180, according to qualifications, rising to £220. (2) KINDERGARTEN MISTRESS to assist in the Preparatory School and the Junior Boarding House. Salary, resident, £50 to £60. Concession on long-distance railway fare in both cases. Apply to the HEAD MISTRESS.

WOODARD SCHOOL,

S. ANNE'S, ABBOTS BROMLEY. Wanted, in September, a SINGING MISTRESS, capable of teaching Solo and Class Singing, with Pianoforte as second subject. Resident post. Salary from £70 to £120 resident, according to experience. Apply to the HEAD MISTRESS, S. Anne's, Abbots Bromley, Rugeley, Staffs.

HIGH SCHOOL, HALIFAX.

Wanted, in September, SCIENCE MISTRESS. Graduate with training, good Botany, and Physical elementary Chemistry. Salary £160, rising by annual increments of £10 to £220. Apply—HEAD MISTRESS.

WYCOMBE HIGH SCHOOL.

Required in September:—

- (1) SENIOR SCIENCE MISTRESS.
- (2) SENIOR ENGLISH MISTRESS. French subsidiary.
- (3) MISTRESS for Science and Mathematics. Middle School work.
- (4) HISTORY SPECIALIST. Geography subsidiary.

Graduate salary in accordance with County Scale. Initial, £150 to £200, according to experience, rising to £300. Training desirable.

Apply to Miss BREW, Head Mistress, The High School, High Wycombe, before June 6th.

BOROUGH ROAD COLLEGE,

ISLEWORTH.

Applications are invited for the following posts:—

- (1) ASSISTANT LECTURER in Science and Mathematics.
- (2) ASSISTANT LECTURER in Science (Chemistry).
- (3) ASSISTANT LECTURER in Mathematics and either French or Latin.
- (4) ASSISTANT LECTURER in History and either Latin or French.

Also the following part-time posts, for which the services of the Lecturer will be required for about three days a week:—

- (1a) In Music and Voice Training.
- (2a) In Physical Exercises and Hygiene.
- (3a) In Drawing and Manual Work.
- (4a) In one or more of the following subjects:—Economics, Botany, Geology, and Astronomy.

Salary scale for Nos. 1 to 4, with board and residence, £170, rising by £10 to £200; or without board and residence, £220, rising to £250, in addition to, for the present, a War bonus of £20. For three of the four appointments residence will be necessary. For Nos. 1a to 4a the salary will be by arrangement, according to the work required. As a number of posts are to be filled simultaneously, the distribution of subjects between the Lecturers required is open to modification. Apply to the PRINCIPAL, Borough Road College, at Richmond, Surrey.

BATLEY EDUCATION COMMITTEE.

GIRLS' GRAMMAR SCHOOL.

Head Mistress: Miss M. BELLMAN, M.A.

SENIOR MATHEMATICS MISTRESS required in September. Good University qualifications and experience essential. Salary according to scale. Forms of application and scales of salary (of which the former must be returned to me not later than June 10, 1919) may be obtained on receipt of a stamped addressed envelope from the SECRETARY, Education Offices, Batley.

NORWICH EDUCATION COMMITTEE.

MUNICIPAL SECONDARY SCHOOL FOR GIRLS.

Required, in September, a HISTORY MISTRESS. Hons. degree (or equivalent), experience. Minimum commencing salary, £150. For form of application, send stamped addressed envelope to SECRETARY, Higher Education Office, Technical Institute, Norwich.

Posts Vacant—continued.

ASSISTANT MASTERS required in September. ENGLISH, MATHEMATICAL, SCIENCE, GEOGRAPHY, AND GENERAL FORM MASTERS required for Preparatory, Public, Secondary, and other Schools. Applications should be made at once with copies of testimonials. No charge unless appointment secured, then a moderate commission. Address—GRIFFITHS, POWELL & SMITH, Educational and School Transfer Agents (Established 1833), Assistant Masters' Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

HABERDASHERS' ASKE'S

GIRLS' SCHOOL, ACTON, W.3.—Wanted, in September, (1) Two MODERN LANGUAGE MISTRESSES: chief subject, French. (2) A MISTRESS to take History and some English and Geography. (3) A SCIENCE MISTRESS: chief subject, Chemistry. A degree and some experience essential. Initial salary £150 to £180, according to qualifications. Apply to the Acting HEAD MISTRESS.

HARROGATE COLLEGE.

Wanted in September:—(1) Resident MISTRESS (native of France) to teach French. Experience essential. Salary from £80 resident.

(2) MISTRESS (Englishwoman) to teach principally French. Honours degree and experience. Games (Lacrosse or Tennis) a recommendation. Salary from £100 resident, according to qualifications, or on non-resident basis if preferred (£160 to £200).

(3) SECOND MATHEMATICAL MISTRESS for Middle School, and to help with coaching of Seniors for Examinations. Physics or elementary Chemistry a recommendation; also Games. Salary from £100 resident.

Apply fully to HEAD MISTRESS.

SOUTHEND-ON-SEA EDUCATION COMMITTEE.

GIRLS' HIGH SCHOOL.

Required in September, MISTRESS to organize the Music throughout the School. Class Singing, Ear Training, and Piano.

For further particulars apply to the HEAD MISTRESS, High School for Girls, Boston Avenue, Southend-on-Sea.

J. W. BARROW,

Secretary to the Education Committee.

THE MOUNT SCHOOL, YORK

(BOARDING SCHOOL OF THE SOCIETY OF FRIENDS).—CLASSICAL MISTRESS (resident) wanted in September. Apply—HEAD MISTRESS.

SUTTON HIGH SCHOOL FOR

GIRLS.—Wanted, in September: (1) SECOND MATHEMATICAL MISTRESS; (2) GEOGRAPHY MISTRESS; (3) GYMNASIUM MISTRESS, Bedford or Dartford training preferred; (4) General Lower School MISTRESS, to teach English in particular; (5) MISTRESS to teach Scripture. Applications, which should be sent to the HEAD MISTRESS, should give details of training and experience, and state the salary required.

SOUTHLANDS SCHOOL, EX-

MOUTH.—Wanted, in September, (1) MISTRESS to take Botany and Geography, with Mathematics if possible. Initial salary, £100 resident.

(2) SENIOR FRENCH MISTRESS. Salary resident, according to qualifications and experience. Apply—HEAD MISTRESS.

REQUIRED, SENIOR MIS-

TRESS for large Girls' School. English, some French and Latin. Good salary resident.—PRINCIPAL, Pembroke House, Norwich.

WALLASEY HIGH SCHOOL,

CHESHIRE.—Wanted in September:—(1) SCIENCE MISTRESS, with good qualifications in Chemistry.

(2) JUNIOR GEOGRAPHY MISTRESS. Graduate scale, £140—£210. Initial salary according to experience. Apply—HEAD MISTRESS.

LUDLOW HIGH SCHOOL FOR

GIRLS.—Required, in September: (1) HISTORY SPECIALIST. Subsidiary subjects: French, Drawing, or English. Initial salary from £150, increasing according to the County Scale to £330. (2) LOWER SCHOOL MISTRESS to teach Arithmetic and Geometry, and some of the subjects, Drawing, French, English. Salary according to the County Scale. Apply at once to the HEAD MISTRESS.

ROAN SCHOOL FOR GIRLS,

DEVONSHIRE ROAD, GREENWICH, S.E. 10.—Required, for September, FORM MISTRESS, with good Honours degree in History and training. Subsidiary subject, English. Salary scale, £120 to £270 non-resident. Apply to HEAD MISTRESS by June 6.

Posts Vacant—continued.**SCARBOROUGH EDUCATION COMMITTEE.**

MUNICIPAL SECONDARY SCHOOL.

JUNIOR FORM MISTRESS wanted in September. English subjects, including ability to teach Handwriting, Singing (both notations). Ability to help in Needlework or other domestic subjects a recommendation. Salary according to training and experience, but not less than £115, rising to £165, and thereafter subject to revision. Apply to—

R. UNDERWOOD,

Town Hall, Scarborough. Educational Secretary.

SCARBOROUGH EDUCATION COMMITTEE.

MUNICIPAL SECONDARY SCHOOL.

DOMESTIC SUBJECTS MISTRESS wanted in September. Fully qualified by training and diplomas. Ability to assist in some other department (e.g. Music), and willingness to take definite responsibility in the social life of the School, are looked for. Salary according to experience, but not less than £115, rising to £165, and thereafter subject to revision. Apply to—

R. UNDERWOOD,

Town Hall, Scarborough. Educational Secretary.

WIMBLETON HILL SCHOOL

(G.P.D.S.T.).—Wanted, in September: (1) CLASSICAL MISTRESS, (2) SECOND FORM MISTRESS offering good Arithmetic. Apply—HEAD MISTRESS, 14 Ridgway Place, S.W.19.

ELY HIGH SCHOOL.—Three

ASSISTANT MISTRESSES are required from September 1919 to undertake between them: Science (Botany, with elementary Chemistry and Physics) and Mathematics; History and Geography; English and elementary Latin. Salaries according to qualifications and experience. Scale for Graduates, £150 to £260; for non-Graduates, £130 to £220. Apply to the HEAD MISTRESS, High School, Ely, Cambs.

WYGESTON GRAMMAR

SCHOOL FOR GIRLS, LEICESTER.—Wanted, in September, for the Junior School:—

- (1) Fully qualified, experienced GYMNASIUM MISTRESS, for Drill, Dancing, Remedial Exercises, Games, and Swimming.
- (2) MUSIC MISTRESS. Good qualifications and Mathey Method essential. Junior Class Singing and some additional class subject desirable.

Salaries according to Scale. Candidates under twenty-four will not be considered. Apply fully to the HEAD MISTRESS.

GIRLS' GRAMMAR SCHOOL,

KIRKBY STEPHEN.—Two RESIDENT MISTRESSES required in September. Chief subjects: Latin, Geography, Botany. Salary according to Scale. Apply, stating age, experience or subsidiary subjects, to the HEAD MISTRESS.

CUMBERLAND EDUCATION COMMITTEE.

The Committee are about to appoint three additional ORGANIZERS OF PHYSICAL TRAINING. Commencing salary £150, rising to £200 per annum. (An initial salary above the minimum may be fixed for a candidate of experience.) Only fully qualified candidates who have been trained at approved Physical Training Colleges such as Bedford, Chelsea, Dartford, or Dunfermline, need apply.

The work is carried out under the direction of a Chief Organizer, and consists of:—

- (1) The organization and supervision of physical training in Elementary Schools in the County;
- (2) Instruction of School Teachers; and
- (3) Remedial work.

Canvassing members of the Committee will be a disqualification.

Further particulars and forms of application may be obtained from the undersigned, with whom applications must be lodged not later than 14th June, 1919.

C. COURTENAY HODGSON,

Secretary to the Committee.

The Courts, Carlisle,
22nd May, 1919.

CHELMSFORD COUNTY HIGH

SCHOOL.—Wanted, in September, SCIENCE MISTRESS (Botany, with subsidiary Chemistry and Physics). Experience or training essential. Salary according to qualifications and experience. Apply—HEAD MISTRESS.

INTERMEDIATE SCHOOL FOR

GIRLS, HENGOED, via CARDIFF.—Wanted for September:—(1) SENIOR SCIENCE MISTRESS for Chemistry, Physics, Botany. (2) WELSH MISTRESS; state subsidiary subject. (3) MATHEMATICAL MISTRESS. Degree or equivalent and training or experience essential. Salary according to qualifications and experience, £140 to £240. Apply at once to the HEAD MISTRESS.

THE JOINT AGENCY FOR WOMEN TEACHERS,

OAKLEY HOUSE,

14, 16, and 18 BLOOMSBURY STREET, LONDON, W.C.1.

Teachers seeking Posts in Public and Private Schools and Training Colleges for September should apply at once to the Registrar. Governesses seeking Private Posts are also invited to enter their names on the books of the Agency.

The following are selected from the posts vacant:—

MATHEMATICS AND SCIENCE.

- Girls' High School on Sussex Coast. Mathematics. Games desirable. Cambridge Tripos preferred. Experience essential. Salary £160 to £190. JA 17893
- Girls' Public School in London. Mathematics. Oxford or Cambridge preferred. Churchwoman. Salary £100 to £120 resident. JA 17906
- Girls' Public School in Berks. Chemistry, Physics, Botany. Degree and experience. Salary from £160 non-resident, or £110 resident. JA 17913
- Girls' Grammar School in Midlands. Mathematics and general elementary Science. Degree. Salary from £160. JA 17972
- Girls' Public School, London, N.W. (1) Mathematics. (2) Chemistry, Physics. Some Mathematics. Degrees and experience. Salary scale £160—£10—£300. JA 17979, 17980
- Girls' High School in Essex. Chemistry to Scholarship standard, and elementary Science. Degree. JA 18061
- Girls' High School in Yorkshire. Mathematics and Science for Middle School. Training and experience desirable. JA 18104
- Girls' High School in London, E. Mathematics and Games, perhaps Scripture and elementary English. Degree and experience. Initial salary £150 to £160, rising by £10 increments to £220. JA 18109
- Girls' High School in West of England. Mathematics. Degree and experience. Salary scale £160 to £180—£10—£320. Allowance for six years' experience. JA 18136

GEOGRAPHY.

- Girls' Municipal High School in North of England. Geography, English, and Scripture desirable. Degree and diploma. JA 18068
- Girls' Public School in Lancashire. Geography and French or Mathematics. Churchwoman. Salary £140. JA 18075
- Girls' High School in Herefordshire. Geography. Good salary scale. JA 18079
- Girls' Private School on Sussex Coast. Geography. Botany subsidiary. Salary £120 resident. JA 18090

- Girls' Public School in Midlands. Geography. Degree and experience. Initial salary up to £200 or more. JA 18119
- Girls' High School in West of England. Geography. Subsidiary: Mathematics or Science or Gardening. Good scale. JA 18137

CLASSICS.

- Girls' Public School in Lancashire. Classics (1) Honours degree and training. Salary from £150. (2) Oxford, Cambridge, or London Honours. JA 17983, 18141
- Girls' High School in London, S.W. Classics. Oxford or Cambridge Honours essential. JA 18032
- Girls' High School in Midlands. Classics. Oxford or Cambridge or London Honours. Salary from £180. JA 18069
- Girls' Public School in Yorkshire. Classics. JA 18189

ENGLISH AND HISTORY.

- Girls' Public School in Monmouthshire. History up to Scholarship standard. Oxford or Cambridge woman preferred. Salary from £170. JA 17970
- Girls' Public School in Lancashire. English. Oxford Hons. preferred. Salary £150 to £180. JA 17974
- Girls' High School in Derbyshire. (1) History and elementary Mathematics. (2) English. Churchwoman. Salary from £150. JA 18028, 18029
- Girls' Private School in Surrey. History, some Latin. Oxford woman preferred, with some experience. Salary £100 to £150 resident. JA 18044
- Girls' High School in Herefordshire. English. Oxford Hons. preferred. Salary scale £140 to £160—£15—£250 or £300. JA 18077
- Girls' Public School in Herts. History, Advanced Course work. Oxford or Cambridge Honours preferred. Salary from £200. JA 18129

MODERN LANGUAGES.

- Girls' Public School in Lancashire. French. Advanced course work. Minimum salary £200. JA 17982

- Girls' County School in Surrey. Help with French. Degree, training or experience. Salary scale £150 to £180—£10—£320. JA 17984

- Girls' Private School in Herts. French, some German. Churchwoman. Degree. Salary £90 to £100 resident. JA 18093

- Girls' Public School in Herts. Help with Modern Languages, especially French, including Advanced Course. Salary from £160. JA 18130

- Girls' Private School in Surrey. French. Degrees needed. Salary from £100 to £150 resident. JA 18134

- Girls' High School in Yorks. French, Honours degree, training desirable. Churchwoman. Salary £165. JA 18166

FORM POSTS.

- Girls' High School in Kent. Geography. Lower Form subjects. Some secretarial work. Salary from £120. JA 18026
- Girls' High School in Beds. Scripture, English, Arithmetic in Middle and Lower Forms. Salary £160 to £170. JA 18027
- Girls' Municipal High School in Midlands. Arithmetic, Geography, Nature Study, Games. Salary scale (non-Graduates) £120 to £220. JA 18076
- Girls' Public School in Herts. Two Mistresses wanted for General Form work. French and Drawing specially desired. London degree or Higher Local Certificate. Salary from £130 non-resident or £90 resident. JA 18131
- Girls' Public School in London, E. First Form. Degree and training, Froebel preferred. Initial salary £120 to £180. JA 18150
- Girls' Public School in Lancashire. Two Form Mistresses. (1) Middle School; (2) Lower School. Junior Geography, Junior French, and Games. Present scale, £125 to £160 and War Bonus. JA 18159
- Girls' Public School in Shropshire. Lower School Form. Arithmetic, Geometry, some Drawing, French, English. Salary scale: Graduates, £150 to £330; non-Graduates, £110 to £200. JA 18194

Teachers who would like to apply for any of these posts should write at once to the Registrar for the Regulations of the Agency and enter their names without delay. Reference to a post must be made by number.

No Registration Fee is charged to Members of the following Societies:—

THE TEACHERS' GUILD, ASSOCIATION OF ASSISTANT MISTRESSES, THE COLLEGE OF PRECEPTORS

and the Commission on the first year's salary is 1 per cent. for a non-resident and 1½ per cent. for a resident post. Teachers who are not Members of one of these Associations are charged a Registration Fee of 2s. 6d., and the Commission on the first year's salary is 3 per cent. for a non-resident, and 3½ per cent. for a resident post.

Registrar: Miss ALICE M. FOUNTAIN.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone
Gerrard 7031.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Hants (Seaside).—Partnership in flourishing Boarding and Day School for Girls. Vendor wishes to retire after 20 years, having acquired a competency. Gross receipts past year £3,725 15s. Net profit about £600. There is a waiting list for Boarders for next term. Price for half share of Goodwill £500. Furniture at valuation.—No. 6,044.

Yorks.—Flourishing Boarding and Day School. Established 35 years, and conducted by vendor 20 years. Gross receipts past year £2,940. Net profit over £445. 40 boarders, 42 day pupils. Price for Goodwill £1,000 or near offer. Furniture at valuation.—No. 6,048.

Sussex (Seaside).—Girls' Boarding and Day School. Established over 50 years, and conducted by vendor 16 years. Gross receipts past year £1,200. Net profits about £400. Any reasonable price will be accepted for Goodwill. Furniture at valuation.—No. 6,045.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past

year £369. 15 boarders, 35 day pupils. Rent of fine large detached house, built for a school, and standing in its own grounds, £80. The low sum of £300 will be accepted for Goodwill. Furniture at valuation.—No. 6,041.

Warwickshire.—Day School for Girls and small Boys. Established 20 years. Gross receipts past year about £750. Number of pupils, 120, paying £1 11s. 6d to £3 3s. per term. Price for goodwill about £350, or by arrangement. School furniture at valuation. The vendor took over the School about nine years ago with only 40 pupils.—No. 6,042.

Somerset.—For disposal, owing to vendor having lost her eyesight, good class Day School for Girls. Conducted by present Principal 30 years. Gross receipts past year £900. Number of pupils, 30. Rent of large, well-situated house, with accommodation for boarders, £110. Price for goodwill, school, and household furniture 500 guineas, or near offer.—No. 6,040.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net

profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 6,024.

Lancs. (Seaside).—High-class Boarding and Day School. Established 30 years. 17 boarders, 34 day pupils. Net income about £526. Goodwill to be arranged. School furniture about £300.—No. 6,016.

Wilts.—Old-established middle-class Boarding and Day School. Gross receipts past year £1,543. 27 Boarders, 79 day pupils. Modern premises. Goodwill about £300.—No. 6,029.

Kent.—Partnership in Girls' and Boys' Day School. Established and conducted by vendor 12 years. Gross receipts past year £550. Vendor desires a lady, if possible, who could take the Junior Music and Drill. Price for half share to be arranged.—No. 6,014.

Surrey.—Mixed Day School. Established over 18 years. Receipts about £250. 25 to 30 pupils. Rent of house only £40. Price for Goodwill and School furniture £200 or offer.—No. 6,015.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

SUNDERLAND EDUCATION COMMITTEE.

BEDE COLLEGIATE GIRLS' SCHOOL.
Head Mistress: Miss M. E. Boon, M.A.

Wanted, in September, a MODERN LANGUAGE MISTRESS (French), English subsidiary. Candidates should have an Honours degree or equivalent, and have had good secondary school experience. Residence abroad desirable.

Salary according to scale; initial amount dependent on qualifications.

Scale of salaries, also form of application (which should be returned not later than June 6th) may be obtained of the undersigned on receipt of a stamped addressed envelope.

Education Offices, HERBERT REED,
15 John Street, Sunderland, Secretary.
21st May, 1919.

BOROUGH OF KINGSTON-UPON-THAMES.

THE TIFFIN GIRLS' SCHOOL.

Wanted, in September next, a MISTRESS to teach French on the Direct Method. Degree or equivalent essential. Games a recommendation. The commencing salary, including a temporary bonus, will not be less than £195 per annum. Increments in accordance with the scale of salaries for assistant mistresses adopted by the Surrey Education Committee. Maximum, £320. Applications, with copies of three recent testimonials, and names of three references, to be sent immediately to the HEAD MISTRESS.

BRADFORD EDUCATION COMMITTEE.

Wanted, in September, a Mistress qualified to take one or two of the following subjects to Matriculation and Higher Certificate standard. Subjects: Mathematics, Botany, French. Salary according to qualifications and experience. Applications on forms to be obtained from this Office should be returned to the DIRECTOR OF EDUCATION not later than 14th June, 1919.

ST. DENIS, 21 CHESTER STREET,

EDINBURGH.—MISTRESS, resident, required September, for Geography, Botany, Nature Study, Arithmetic. Elementary Latin desirable. Degree or equivalent and experience. Salary according to qualifications. Apply to PRINCIPAL.

Posts Vacant—continued.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

BINGLEY TRAINING COLLEGE.
Principal: Miss H. M. WODEHOUSE, M.A., D.Phil.

The West Riding Education Committee invite applications for appointment as LECTURER IN ENGLISH at the Bingley Training College. Candidates for the post must be women, and should hold a degree or its equivalent.

Initial salary £230 to £270 (non-resident), according to qualifications and experience, rising by annual increments of £10 to a maximum of £380.

Last day for the receipt of applications, Saturday, June 21st.

Further particulars and forms of application to be obtained from the EDUCATION DEPARTMENT (Secondary Branch), County Hall, Wakefield.

WANTED, for September,

SCIENCE MISTRESS to teach Chemistry to Scholarship standard, with general elementary Science and some subsidiary subject. Salary £130 to £160 initial, with annual increments of £10 to maximum £225. Apply—HEAD MISTRESS, Lough-ton High School, Essex.

NUNEATON HIGH SCHOOL

FOR GIRLS.—Wanted, in September:—SENIOR ENGLISH MISTRESS to organize the English teaching in the School, and to take charge of the subject in an advanced course in Modern Studies. Oxford Honours preferred. Good experience essential. Initial salary according to length of experience, but not less than £285. Maximum, £400 to £450.

Apply to the HEAD MISTRESS.

BIRKENHEAD HIGH SCHOOL

(G.P.D.S.T.).—Wanted, in September, MODERN LANGUAGE MISTRESS, non-resident, to teach French to Scholarship standard, with German as subsidiary subject if possible. Initial salary from £150 according to qualifications and experience. Apply, with testimonials and full particulars of salary required, &c., to HEAD MISTRESS.

MORTIMER HOUSE, CLIF-

TON, BRISTOL.—Required, September Term, Resident GEOGRAPHY MISTRESS. Elementary Mathematics and Latin desirable. Good salary. Apply—HEAD MISTRESS.

Posts Vacant—continued.

CHRISTS' HOSPITAL GIRLS' SCHOOL, HERTFORD, HERTS.—WARD MATRON, age 30-45, required to take charge of a Ward or House of 35 girls. Good education and experience essential. Apply to the HEAD MISTRESS as above.

NOTTING HILL HIGH

SCHOOL (G.P.D.S.T.), 53 NORLAND SQUARE, W.11.—Wanted, for the Autumn Term, 1919:—(1) HISTORY SPECIALIST (salary £220—£250—£300). (2) JUNIOR FORM MISTRESS, N.F.U. Higher Certificate (salary £130). Apply, stating qualifications and enclosing copies of three recent testimonials, to Miss BERRYMAN at the above address.

CARLISLE HIGH SCHOOL.—

ENGLISH MISTRESS for Junior and Middle Forms required for September; able to teach also Junior Arithmetic and Drawing (Ablett's system). Experience essential. Salary according to revised scale. Apply to the HEAD MISTRESS.

LIVERPOOL COLLEGE, HUY-

TON, NEAR LIVERPOOL.—Wanted, in September, SCIENCE MISTRESS. Chemistry and Botany to Intermediate standard, middle school Physics. Degree or equivalent essential. Apply, with full particulars, HEAD MISTRESS.

KINDERGARTEN MISTRESS

required, thoroughly qualified and capable of organizing the Kindergarten. Also an ASSISTANT KINDERGARTEN MISTRESS and a good JUNIOR FORM MISTRESS for the same School. Very good salaries to fully qualified teachers.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. No charge till suited. Many excellent vacancies now, half term and September. Established 1881.

HIGHER TRANMERE HIGH

SCHOOL FOR GIRLS, CLARENCE ROAD, BIRKENHEAD.—Wanted, in September, two MISTRESSES, both with experience, for: (1) Mathematics, (2) French and German (residence in France desirable). Both Mistresses will have charge of a Form.

Salary beginning at from £130 to £160 (according to qualifications), plus 25 per cent. war bonus. (Salary scale under consideration.)

Apply to HEAD MISTRESS for special form of application, which should be returned as soon as possible.

Messrs. GRIFFITHS, POWELL & SMITH,Telegraphic Address :
"SCHOLASQUE, LONDON."Educational and School Transfer Agents,
(Established 1833),Telephone :
GERRARD 7021.**12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.**

For many years at 84 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

**TO ASSISTANT MISTRESSES.
HALF-TERM AND SEPTEMBER VACANCIES.**

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

**ENGLISH, GENERAL FORM AND
OTHER VACANCIES.****Form Mistress** with good qualifications in English. Graduate or equivalent looked for. Girls' Secondary School. Commencing salary £150 to £200 non-resident, according to qualifications and experience.—No. 1,640.**Two Form Mistresses** for important School. Ordinary Form subjects, some Latin and Mathematics to Junior Oxford standard, and some Botany or Needlework to be taken between the two Mistresses. Adequate salaries will be given to suitable ladies. (Lancs.)—No. 1,641.**Three Form Mistresses** for important High School for Girls. (1) Special qualifications in History, (2) ditto in Geography, (3) ditto in Latin. Commencing salaries about £160 to £200 non-resident.—No. 1,634.**Assistant Mistress** for History and Geography principally, junior Mathematics. Games, or Swedish Drill desirable. Salary £90 resident, or £130 non-resident. (Somerset.)—No. 1,626.**Senior English Mistress** to organize all the English work in conjunction with two other teachers. Good experience essential. Salary at least £100 resident.—No. 1,617.**Three Mistresses** for important School in the North. One must take a senior position on the staff. The other two need not have had experience if trained or having University qualifications. English, Latin, Mathematics, French, Botany, and elementary Science desirable. Salaries about £75 to £100 each resident.—No. 1,607.**Assistant Mistress** for English, elementary Mathematics, Latin, and Science. Churchwoman essential. First-class School in Surrey. Salary about £100 resident.—No. 1,604.**Two Mistresses:** (1) modern Geography and Botany to Senior Cambridge standard, some Science, &c.; (2) general all round subjects. Salaries about £80 resident.—No. 1,595.**Assistant Mistress** for good general Form subjects. Light work. Salary £90 resident. High-class School in Kent. (Seaside.)—No. 1,583.**Assistant Mistress** for English, Arithmetic, Mathematics, and Geography. Should have had some experience. Salary about £70 resident. (Lancs.)—No. 1,573.**Assistant Mistress** to take English subjects throughout the school. Graduate desired. County Grammar School. Salary from £150 non-resident upwards.—No. 1,564.**Graduate** for English, French, Arithmetic, Geometry, &c. to Matriculation standard. Irish lady preferred. Salary about £100 resident. (London, S.E.)—No. 1,557.**Assistant Mistress** capable of managing little boys. General subjects. Interest in Games desired. Wanted at once. Any reasonable salary resident or non-resident. (Surrey, near London.)—No. 1,552.**Senior English Mistress** for good English subjects. Salary about £70 resident. (London, E.)—No. 1,558.**A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses. 150 posts for Junior Mistresses asking salaries of from £30 to £50 resident.****50 STUDENT-GOVERNESSES** also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of Suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Mistresses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 396 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

**SCIENCE AND MATHEMATICAL
VACANCIES.****Science Mistress** for important High School for Girls. Commencing salary about £200 non-resident.—No. 1,633.**Senior Mathematical Mistress** for Girls' Grammar School. Good qualifications and experience essential. Good commencing salary non-resident.—No. 1,622.**Mathematical Mistress**, with some Science, if possible. To assist Senior Mistress. Large and important Boarding and Day School. Salary £90 upwards resident. (Wales.)—No. 1,621.**Assistant Mistress** for Science, Mathematics, and Geography if possible. Work up to Senior Cambridge standard. Important High School. Good salary resident. (Somerset.)—No. 1,625.**Junior Mathematical Mistress**, with Degree and training, if possible. Experience not essential. High School in London. Salary about £160 non-resident.—No. 1,646.**Assistant Mistress** for good Mathematics. Large Secondary School. Commencing salary up to £200, according to qualifications, experience, &c.—No. 1,654.**Mistress** for Physics, Botany, and Geography. High-class School. Good salary resident. (Devon.)—No. 1,656.**MODERN LANGUAGE
VACANCIES.****French Mistress** for important Boarding and Day School. Over 200 pupils. Two other French Mistresses. Salary about £100 or more resident.—No. 1,618.**Mistress** for first-rate French, with either History, English, or Geography. Must have resided abroad. Salary £95 resident, or £130 non-resident. (Somerset.)—No. 1,625.**French Mistress** for French, with Phonetics, direct method. Needlework desirable. Secondary School. Salary £90 resident, or £130 non-resident. (Cheshire.)—No. 1,650.**Assistant Mistress** with first-rate qualifications in French. High-class School. Supervision light. Private rooms. Good salary. (Cheshire.)—No. 1,653.**Mistress** for Modern Languages. Residence abroad desired. Important High School for Girls. Commencing salary not less than £150 non-resident. (Devon.)—No. 1,633.**2nd French Mistress** for high-class School. Chiefly for Conversation. Needlework. Good salary resident. (Devon.)—No. 1,656.**MUSIC VACANCIES.****Mistress** for good Piano and Class Singing. Important Boarding and Day School, over 200 pupils. Salary £70 resident and capitation fee on all pupils over a certain number.—No. 1,616A.**Mistress** with high qualifications in Music. Good salary resident. First-class School in Sussex. (Seaside.)—No. 1,632.**Well-qualified and experienced Mistress** to take entire charge of the Music throughout the School. An adequate salary will be given to a suitable lady. (Wales.)—No. 1,643.**Mistress** to take Music for Associated Board Examinations, Class Singing and Choral Practice. Salary £60 to £70 resident. (Yorks.)—No. 1,611.**Mistress** for Piano, Theory, Harmony, and Class Singing. Must be a Churchwoman. Good salary resident. High-class School. (Surrey.)—No. 1,605.**KINDERGARTEN AND 1st FORM
VACANCIES.****Mistress** with Kindergarten training if possible, able to manage little boys. Interest in Games desired. Wanted at once. Good salary resident or non-resident. School in Surrey. (Near London.)—No. 1,552.**Kindergarten Mistress** with some training for good School in Surrey. Salary about £60 resident.—No. 1,582.**Junior Form Mistress** to take general Lower Form subjects. N.F.U. Certificate and training desired. Commencing salary £110.—No. 1,546.**1st Form Mistress** with N.F.U. Certificate, Geography, Nature Study, Handwork, Drill, &c. High-class School. Salary £60 resident.—No. 1,542.**GYMNASTIC AND PHYSICAL
CULTURE VACANCIES.****Physical Mistress** for good Dancing and Gymnastics. Supervise Games. Good salary resident. (Wales.)—No. 1,649.**Gymnastic Mistress** for important Institute in Ireland. Good salary to well-trained lady.—No. 1,655.Several **Matrons** and **Matron House-keepers** required for Girls' and Boys' Schools.

OUTLINE MAPS AND DRAWING COPIES.

As Set at the College of Preceptors Examinations.

OUTLINE MAPS.

The World,
British Isles,
England & Wales,
Scotland,
Ireland,

Thames Basin,
Mersey Basin,
North Sea,
Mediterranean,
Europe,

Asia,
Africa,
N. America,
S. America,
Australia.

Price 1½d. per Map, or
1s. per dozen, post free
(alike or assorted).

DRAWING COPIES

(Freehand). About 100 different subjects. Price 2½d. per copy, post free; or 1/9 per dozen, post free (alike or assorted). State whether Senior, Junior, Preliminary, or Lower required.

CARPENTER'S DRAWING BOOKS.

By GEORGE CARPENTER, late Drawing Master, Stationers' School.
Pencilled Copies, and Easy Examples, interleaved with Tissue Paper.

Established
1884.

Curves. Outlines of Familiar Objects.
Introduction to Perspective.
Trees. The Human Figure.
Ornament.

1/2
each Part, post free;
or the Six Parts,
post free, for 6/6

SPECIAL
QUOTATIONS
FOR
LARGE
ORDERS.

FRANCIS HODGSON, 89 Farringdon St., Ludgate Circus, E.C.4.

Telephone:
City 4871.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

COUNTY BOROUGH OF ROTHERHAM EDUCATION COMMITTEE.

MUNICIPAL HIGH SCHOOL FOR GIRLS.
Head Mistress: Miss EVA M. SMITH.
(Mathematical Tripos, Cambridge.)

The Committee invite applications for the appointment of the following Mistresses:—

(1) Two **SCIENCE MISTRESSES** (Elementary Science, Physics, Chemistry, and Botany). One Candidate must be qualified to take higher work in Physics.

(2) **GENERAL FORM MISTRESS**, to teach English and general subjects.

Degree, training, and experience in a Secondary School essential. Salary according to qualifications and experience.

Forms of application, which must be returned not later than 14th June, 1919, may be obtained from the undersigned. JAS. A. MAIR.

Education Offices, Secretary for Education.
Rotherham

FRENCH SWITZERLAND.—**ENGLISH MISTRESS** required to teach Junior English to foreign girls. Certain amount of supervision. Work light; teaching hours short; excellent opportunity to learn to speak French. Salary.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. No charge till suited. Established 1881. Other vacancies for abroad.

WANTED, in September, JUNIOR FORM MISTRESS in Girls' School, South Coast. Able to teach Needlework and help with Games. Experience not essential, but good training. Write—O. O., c/o J. W. VICKERS & Co., LTD., 5 Nicholas Lane, E.C.4.

THREE young Resident MISTRESSES required, September 1919, in private Day School near London, capable of teaching between them the following subjects:—Mathematics, Geography, Botany, History and English. Kindergarten and Drawing (K.D.S.), Games. Salary according to qualifications. Address—No. 10.812.*

REQUIRED, in September, in a high-class Boarding and Day School in the West of England:—(1) An **ASSISTANT MISTRESS** to teach Mathematics, Geography on Modern Methods, and some Science. (2) Also a **Resident FRENCH MISTRESS**. Address—No. 10.818.*

REQUIRED, September, resident MUSIC MISTRESS (degree or equivalent) for Piano (Associated Board Examinations), Good Class Singing (Tonic Sol-fa preferred), and share supervision. Address—No. 10.820.*

KING'S HIGH SCHOOL FOR GIRLS, WARWICK.—Wanted, in September: (1) A **CLASSICAL MISTRESS**, (2) AN **ASSISTANT FRENCH MISTRESS**. For both posts, Honours degree essential. Some experience desirable. Salary from £180, according to experience. Apply, with testimonials—HEAD MISTRESS.

Posts Vacant—continued.

PORTSMOUTH EDUCATION COMMITTEE.
(HIGHER EDUCATION.)

THE TRAINING COLLEGE FOR WOMEN STUDENTS.
Principal: Miss E. L. WHITE, M.A.

APPOINTMENT OF LECTURER IN MATHEMATICS.

Applications are invited for the position of a Lecturer in Mathematics at the Portsmouth Training College, dating September next.

Candidates should possess a good Honours Degree. Salary from £200 to £350 per annum, according to qualifications and experience.

Application forms and further particulars may be obtained by forwarding a stamped addressed foolscap envelope to the SECRETARY, Offices for Higher Education, The Municipal College, Portsmouth, to whom applications should be returned, accompanied by copies of not more than three recent testimonials. H. E. CURTIS, Secretary.

May 23rd, 1919.

BARNSELY GIRLS' HIGH SCHOOL.—Wanted, in September:—

(1) **FRENCH MISTRESS** as Head of Department. Residence abroad essential.

(2) **ASSISTANT FRENCH MISTRESSES** (two): able to help with higher work preferred.

(3) Two **ASSISTANT MATHEMATICS MISTRESSES**.

(4) **DOMESTIC SCIENCE MISTRESS** for Needlework chiefly.

(5) **SECOND ENGLISH SPECIALIST**.

(6) **GYMNASTICS AND GAMES MISTRESS**.

Salaries according to scale; for Graduates £150 to £330.

Apply at once to the HEAD MISTRESS.

WARWICKSHIRE EDUCATION COMMITTEE.

ARNOLD HIGH SCHOOL, RUGBY.

This School, which has been a Private Girls' Secondary School, has been taken over by the Warwickshire Education Committee pending the erection of a new High School at Rugby. There will be six Assistant Mistresses in the Senior School and five in the Preparatory School.

HEAD MISTRESS: Salary, £500.

ASSISTANT MISTRESSES: (1) Science and Mathematics, (2) French and German, (3) Art, (4) Needlework and Domestic Science. Commencing salary according to experience. Minimum: Graduates, £180; Non-graduates, £160. Maximum salary: Graduates, £350; Non-graduates, £320. To commence, if possible, after the Summer Holidays. Apply for form of application to Education Office, Warwick.

RICHMOND (SURREY)

COUNTY SCHOOL FOR GIRLS.—Wanted, for September next, a **FORM MISTRESS**, to teach principally Latin, Class Singing, and Elementary Mathematics. A degree or equivalent and training essential. Salary according to length of service, but not less than £150. Applications, stating place of education, qualifications, age, and experience, accompanied by three recent testimonials, to be sent to the HEAD MISTRESS not later than June 6th.

SENIOR MISTRESS required September in Girls' Boarding School, Yorkshire, for Mathematics, History, Geography. Address—No. 10.824.*

Posts Vacant—continued.

CITY OF BRADFORD EDUCATION COMMITTEE.

HEAD MASTERS are required in September for the following Municipal Secondary Schools in Bradford:— BELLE VUE (500 boys). CARLTON STREET (320 boys). GRANGE ROAD (300 boys).

Candidates should be Graduates of a British University. The commencing salary is £500 per annum, with a War Bonus, which at present is £78 per annum.

Forms of application, to be obtained from the DIRECTOR OF EDUCATION, Town Hall, Bradford, must be returned before June 21st, 1919.

By Order.

RESPONSIBLE SENIOR MISTRESS required in September as Head of Staff in First-class Day School of 90 to 100 girls. Pass degree desirable. To undertake entire management of Time-tables, &c., and teach Scripture, Geography and Mathematics up to London Matriculation standard. Games desirable, but not essential. Apply—Miss LEISHMAN, Kinnaird Park School, Bromley, Kent.

WANTED, in September, for Girls' Grammar School, Clitheroe, a SENIOR MATHEMATICAL MISTRESS. Graduate experience desirable. Also an **ENGLISH MISTRESS**, Graduate. Salaries according to the new County Scale. Apply to the HEAD MISTRESS.

REQUIRED, in September: (1) **JUNIOR FORM MISTRESS**, to teach Arithmetic, Mathematics, and some Latin. (2) **JUNIOR MUSIC MISTRESS**. (3) **STUDENT MISTRESS**, to assist with Elementary Music.—The Misses BOOTH and STRATTON, Winchester House School, St. Leonards-on-Sea.

REQUIRE, in September: (1)

ARITHMETIC, Mathematics, and some Latin. (2) **JUNIOR MUSIC MISTRESS**. (3) **STUDENT MISTRESS**, to assist with Elementary Music.—The Misses BOOTH and STRATTON, Winchester House School, St. Leonards-on-Sea.

GLOUCESTER HIGH SCHOOL
(ENDOWED—460 PUPILS).

Required in September:—

(1) **FRENCH SPECIALIST**, to share French teaching throughout the school. Good Degree or foreign residence and good experience in Secondary Schools essential.

(2) **GEOGRAPHY SPECIALIST**, to organize subject throughout school. Recognized Geography Course or good experience in teaching. Modern Geography essential.

Scale: Graduate, £160 by £10 to £320. Secondary training, £20. Each year in recognized school, £10.

Apply at once—Miss F. D. CARLESS (Head Mistress elect), High School, Wisbech.

CHRIST'S HOSPITAL GIRLS'

SCHOOL, HERTFORD.—Experienced MISTRESS wanted for September. Principal subject, French; subsidiary, German. Some English and Scripture. Apply to the HEAD MISTRESS.

MERCHANT TAYLORS'

SCHOOL FOR GIRLS, GREAT CROSBY, LIVERPOOL.—Required, in September: (1) **SENIOR SCIENCE MISTRESS**, with Chemistry and Mathematics. (2) **MODERN LANGUAGE MISTRESS**, with French and German. (3) **JUNIOR SCHOOL MISTRESS**, with good Arithmetic. Application to be sent to the HEAD MISTRESS.

COLSTON'S GIRLS' SCHOOL,

BRISTOL.—Required, for September, **ASSISTANT MATHEMATICS MISTRESS**. Honours degree. Salary according to qualification. Apply to the HEAD MISTRESS.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 8 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates for the Summer and September Terms, 1919:—

General Form Mistresses.

HISTORY SPECIALIST required, in September, in important Girls' School in West of England. Lady is looked for who has Honours Degree, and has had previous experience. Salary up to £250 non-resident.—No. 13,478.

SENIOR ENGLISH MISTRESS, for Girls' High School in South Africa, to teach general English Subjects and Latin. Salary up to £110, in addition to board and residence. Passage paid.—No. 12,593.

HISTORY MISTRESS, in important Girls' School in North England. Lady looked for who has had Degree and previous School experience. Salary from £100 res.—No. 13,450.

ASSISTANT MISTRESS, in important Girls' School in South West of England, to offer English as her chief subject, with Latin and French as subsidiary. Candidate is looked for who has had Degree and previous School experience. Salary £180 non-res., rising.—No. 13,219.

ASSISTANT MISTRESS, to teach History in high-class Girls' Boarding School on the East Coast. Salary from £100.—No. 13,145.

ENGLISH MISTRESS, in important Girls' School within easy reach of London. Candidate is looked for who has Degree and previous School experience. Salary from £100 res.—No. 13,406.

ASSISTANT MISTRESS, in Girls' College in Channel Islands. Lady looked for who has Degree in English. Salary up to £110 res.—No. 13,392.

FORM MISTRESS, in large Girls' School in South Africa, to teach English Language and Literature up to Middle School standard. Salary up to £120 res. Passage paid.—No. 13,377.

Mathematical and Science Mistresses.

SCIENCE MISTRESS required, in important Girls' School on South Coast, to teach Botany, Geography, elementary Chemistry, and Physics. Salary offered up to £100 res.—No. 13,467.

SCIENCE MISTRESS, in high-class Girls' School on South Coast. Salary from £100 res.—No. 13,113.

SCIENCE MISTRESS, in important Girls' Public School near London, to teach Botany and Chemistry and Physics. Salary about £110 res.—No. 13,453.

MISTRESS, to teach Geography and Geology up to London Inter. standard, in important Girls' School within easy reach of London. Salary up to £160 non-res.—No. 13,448.

SCIENCE MISTRESS, to teach Chemistry, in large Girls' School in North England. Salary from £150 non-res.—No. 13,402.

JUNIOR SCIENCE MISTRESS, in important Girls' High School within easy reach of London, to teach elementary Physics and Chemistry. Salary from £150 non-res.—No. 12,879.

ASSISTANT SCIENCE MISTRESS, to teach Chemistry, Physics, Nature Study, and elementary Mathematics, in Girls' High School in North England. Salary up to £300 non-res.—No. 13,381.

MATHEMATICAL MISTRESS, in important Girls' High School in North England. Candidate looked for who has Degree and experience. Salary up to £190 non-res.—No. 13,387.

SCIENCE MISTRESS, to teach Chemistry, Physics, and some Botany, in large Girls' School in Wales. Post non-res., and good salary.—No. 13,454.

Modern Language Mistresses.

ASSISTANT MISTRESS required, to teach good French acquired abroad, also some German, in important Girls' School near London. Lady looked for who has acquired the language abroad, but has had previous School experience. Salary from £100, in addition to board and residence.—No. 13,468.

MISTRESS, to teach French acquired abroad, with English, Latin, Botany, or elementary Mathematics as subsidiary subjects, in important Girls' School in Channel Islands. Salary £105 res.—No. 13,421.

SECOND FRENCH MISTRESS, to teach French acquired abroad, in important Girls' School in North England. Salary from £150 non-res.—No. 13,403.

FRENCH SPECIALIST, in large Girls' School in North Wales. Salary £110 res.—No. 13,243.

ASSISTANT MISTRESS, to teach French acquired abroad, in important Girls' High School in North of England. Salary up to £300 non-res.—No. 13,382.

Games and Domestic Science Mistresses.

PHYSICAL CULTURE MISTRESS required, to teach Gymnastics, Dancing, and Games, in Girls' Public School in North of England. Candidate looked for who has been trained either at Bedford or Dartford. Salary £130 res.—No. 13,244.

PHYSICAL CULTURE MISTRESS, to teach Drill, and, if possible, Junior Needlework, in Girls' High School in North of England. Salary from £115 non-res.—No. 13,384.

PHYSICAL CULTURE MISTRESS, to teach Dancing, Gymnastics, and Games, in Girls' School near London. Salary from £60 res.—No. 13,356.

Music Mistresses.

MUSIC MISTRESS required, to teach Piano and Class Singing, in important Girls' School in Channel Islands. Salary from £80 res.—No. 13,411.

MUSIC MISTRESS, to teach Piano, Harmony, and, if possible, Class Singing and Eurythmics, at important Girls' Boarding School in South of England. Post res., and good salary.—No. 13,474.

MISTRESS, to teach Elocution and Piano, in large Girls' School in South Africa. Salary up to £110 res. Passage paid.—No. 13,369.

Junior Form and Preparatory School Mistresses.

ASSISTANT MISTRESS, to teach Drawing, Piano, general elementary subjects, in Boys' Preparatory School in South England. Salary up to £100 res.—No. 13,096.

ASSISTANT MISTRESS, to teach good Music and Drawing, in Boys' Preparatory School in South-east England. Salary up to £120 res., according to qualifications.—No. 13,445.

ASSISTANT MISTRESS, to teach Form II in general English subjects, in important Girls' School in North of England. Post res., and good salary.—No. 13,451.

KINDERGARTEN AND TRANSITION MISTRESS, in important Girls' School in Channel Islands. Lady looked for who has Froebel Certificate. Salary about £70 res.—No. 13,393.

KINDERGARTEN MISTRESS, in important Girls' High School in North of England. Candidate must have Froebel Certificate and previous School experience. Salary up to £190 non-res.—No. 13,388.

JUNIOR FORM MISTRESS, to teach general subjects. Candidate must be Froebel trained. Salary about £115 non-res.—No. 13,383.

Messrs. GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Truman & Knightley

SCHOLASTIC AGENTS LTD

ASSISTANT MISTRESSES DEPARTMENT.

Ladies with University or other qualifications and teachers of special subjects seeking appointments in Public and Private Schools should register with **Messrs. TRUMAN & KNIGHTLEY**, who will be pleased to give their requirements careful and personal attention.

There is no registration fee, and the commission charged to those for whom an appointment is secured is very moderate.

The following are selected from a large number of **Autumn Term Vacancies**, for which **Messrs. TRUMAN & KNIGHTLEY** have been instructed to put forward candidates:—

SEPTEMBER VACANCIES FOR UNIVERSITY WOMEN.

ENGLISH, HISTORY, and GENERAL FORM MISTRESSES.

History Mistress for Church High School in the North. Experience recognized for registration and pension. Non-res. £150 to £160, or possibly more.—A 70377.

Principal for Training College for Women in Egypt under Government. Honours degree or equivalent, with experience of administration and organization. Training College experience a recommendation. Non-res. about £615 to £820 per annum and furnished quarters.—A 72467.

History Mistress for important Girls' High School in London, to take Advanced Course work. Good qualifications and experience essential. Non-resident £220, rising by £20 to £300.—A 74321.

English Specialist for high-class Church Boarding School on North-east Coast. Degree and Churchwoman essential. Resident from £100, or non-resident from £160.—A 73772.

Organizer and Lecturer in charge of the Training of Students for Teaching in Continuation Schools for well known Training College for Elementary School Mistresses in London. Graduate with experience, and Churchwoman essential. Resident £140 to £210, or non-resident £180 to £250.—A 73805.

English Specialist for Girls' High School in Midlands. Honours degree and experience essential. Oxford Student preferred. Non-res. £250.—A 69976.

English Specialist for good Public High School for Girls in South-west Counties, to organize English teaching throughout the School. Honours degree essential. Non-res. £150 to £200.—A 72561.

English Mistress for large Public School in the Midlands, to teach English subjects in Junior School, including English Phonetics; Elocution a recommendation. Non-res. £170 to £200 increasing.—A 73440.

History Mistress for first-class Boarding School near London. Good qualifications essential. Res. up to £150.—A 70604.

Senior Form Mistress for Mixed Secondary School on South Coast. Good degree and experience essential. Non-res. up to £220, increasing to £320.—A 69911.

English Specialist for County Secondary School in the Midlands, with good experience or training. Non-res. from £150 to £200, plus £10 for each year of service, increasing up to £330.—A 73243.

History Mistress for important London Public School, to teach History throughout the school. Honours degree or equivalent, with experience in first-class Public School essential. Non-res. £280 increasing to £330.—A 73201.

History Mistress for large Public School near Manchester. English or French a recommendation. History Honours degree essential. Non-res. £160 to £200 or more.—A 69239.

History Mistress for important Public School in Canada. Res. from £100 to £150, plus travelling expenses.—A 72937.

Vice-Principal for Elementary Training College in the North of England, to be responsible for discipline and organization on academic side, arrange time-tables, and undertake some teaching. Good qualifications and experience essential. Churchwoman. Res. £200 or more.—A 73082.

Senior English Mistress for Public High School in the Midlands, to take Advanced Course in Modern Studies. Good qualifications and experience essential. Non-res. from £170 increasing to £350.—A 73142.

Head Mistress for Wesleyan High School in South Africa. University Graduate with good experience. Res. £200 and passage.—A 71529.

MODERN LANGUAGE MISTRESSES.

Modern Language Mistress for Girls' High School in the North to teach French for Advanced Course work. Honours degree and experience essential. Non-res. £220, rising.—C 72172.

Modern Language Mistress for Girls' High School in Home Counties, to take Advanced Course work. Oxford or Cambridge candidate preferred. Non-resident from £160.—C 74044.

French Mistress for Public Boarding School in London. Knowledge of Phonetics. Res. from £100.—C 73057.

French Mistress for Church of England Boarding and Day School in Sussex. Good qualifications essential. Res. £120-£140.—C 73237.

CLASSICAL MISTRESSES.

Classical Mistress for first-class Public School for Girls near London. Oxford or Cambridge Student essential. Non-res. £180 to £250.—C 70539.

Classical Mistress for large Private Boarding and Day School on West Coast. Degree and experience essential. Res. £150, plus capitation fee.—C 73369.

Classical Mistress for Girls' Grammar School in Midlands. Subsidiary work to be arranged. Non-resident according to scale. £150 to £240 for graduate, rising by £10 yearly to £300.—CD 74273.

Assistant Mistress for Latin for Anglo-Indian School under Clewer Sisterhood in India. Mathematics a recommendation. Churchwoman essential. Resident £120, with passage paid on three years' agreement.—C 73547.

Classical Mistress for Public High School in Scotland. Honours degree essential. Non-res. £150 to £170, rising to £220.—C 72978.

Assistant Mistress for important Public School in Scotland, with honours degree, to teach Latin throughout the school. Non-res. £160 to £220.—C 72958.

MATHEMATICAL, SCIENCE, and GEOGRAPHY MISTRESSES.

Mathematical Mistress for high-class Public School on South-east Coast. Good qualifications required. Resident. Good salary.—C 74381.

Science Mistress for high-class Church Boarding School on North-east Coast to teach Chemistry, Botany, Nature Study. Arithmetic and Mathematics a recommendation. Science Graduate looked for, with experience if possible. Churchwoman essential. Resident from £100, non-resident from £160.—C 73787.

Mathematical Mistress for Girls' High School near London to take Mathematics for Advanced Course work. Honours degree essential. Non-res. £200.—C 72118.

Head of Staff for high-class Private Day School near London to teach Mathematics and some other subjects. Experience essential. Graduate preferred. Non-res. £150 or more, with part board.—C 71808.

Mathematical Mistress for Church Public Boarding School for Girls in Midlands to teach to Scholarship standard. Degree essential. Churchwoman preferred. Res. from £90, according to experience and qualifications, rising to £270.—C 69677.

Mathematical Mistress for Middle and Lower School of Public Boarding School in Home Counties. Res. up to £120.—C 72916.

Mathematical Mistress for Public Boarding School in London. Res. £100-£120.—C 73058.

Assistant Mathematical Mistress for Public Secondary School near London; good disciplinary essential. Young lady able to teach good discipline. Non-res. £150-£190, rising to £320.—C 73299.

Science Mistress for first-rate Public School in N.W. of England to teach Chemistry and Botany. Res. £110 to £150, increasing to £200.—C 73316.

Lecturer in Botany for Church of England Training College in West of England. Res. £175-£200.—C 72918.

Physics Mistress for important Public School in the Midlands to teach Mathematics in Middle School, and help with games. Non-res. £150-£170 or more, increasing to £350.—C 73042.

Assistant Mistress to organize the Science teaching of a County Secondary School in the Midlands to teach Chemistry, Physics, and Botany. Non-res. £150-£180, or more, increasing to £300.—C 73238.

Science Mistress for Church of England Public Boarding School in North of England to teach Botany and Zoology. Res. £100-£150.—C 73178.

Lecturer for well known Physical Training College near London to take Physiology and Hygiene. Graduate preferred. Res. £130 to £150.—C 69110.

Science Lecturer for Elementary Training College for Women in South-west Counties to teach elementary Science and Botany. Graduate and Churchwoman essential. Res. £80 to £120.—C 61752.

Science Mistress for Girls' High School in Scotland to take Botany to Upper School and Nature Study to Junior School. Non-res. £160 to £180, rising by £10 to £220.—C 72679.

Geography Mistress for Public Secondary School for Girls in Home Counties to teach Geography throughout the School. Subsidiary English or Games a recommendation. Graduate essential. Training or experience a recommendation. Non-res. from £150, rising to £250.—A 71764.

Geography Mistress for Girls' High School in Midlands. Subsidiary work arranged; Science preferred. Good qualifications and experience desired. Non-res. £150 to £200, increasing.—A 72602.

Assistant Mistress for high-class Private Boarding and Day School in Midlands to teach Geography and subsidiary work which can be arranged. Good qualifications essential, and experience a recommendation. Res. about £100.—A 65386.

Truman & Knightley

SCHOLASTIC AGENTS—LTD—

SEPTEMBER VACANCIES FOR NON-UNIVERSITY WOMEN.

There is a large demand for well-educated gentlewomen with Higher Local or other good certificates, interested in children and in teaching, for teaching appointments in good Private Schools and as House Mistresses in Public Schools, where the work is not excessive, the conditions pleasant, and the holidays are long. Salaries range from £50 to £100 or more per annum, with board and residence, according to qualifications and experience. There are also many vacancies for Student Teachers, Junior Mistresses, and House Governesses or Duty Mistresses at salaries from £30 to £50 or more per annum, with board and residence.

SEPTEMBER VACANCIES FOR TEACHERS OF SPECIAL SUBJECTS.

KINDERGARTEN MISTRESSES.

Kindergarten Mistress for important Public School in Canada. Higher N.F.U. and good training essential. Resident £100 to £120, and passage paid on two years' agreement.—J 73771.

Head of Preparatory Department for Girls' High School in Midlands, to take charge of Preparatory Department and train students for Part II Higher N.F.U. Non-resident from £160, according to experience, rising by £10 and then by £15 to £320. £50 extra allowed for Head of Department.

First Form Mistress for Public Day School in S.E. of London, to teach English, Arithmetic, Handwork, and Singing to children of about 8 years of age. Non-res. £120-130.—J 73405.

Kindergarten Mistress to take charge of Kindergarten of 40 children attached to an important Public School in Scotland. Higher N.F.U. certificate and some experience. Non-res. £140 or more, increasing to £200.—J 73216.

Kindergarten Mistress to take charge of Junior Form of high-class Private School in Scotland. Froebel training and experience essential. Res. £80-£90.—J 72652.

Kindergarten Mistress for Public Secondary School in Yorkshire. Some Music or Drawing a recommendation. Non-res. £140 increasing to £250.—J 73166.

Kindergarten Mistress for Private School for Girls in Canada. Res. £90-£125.—J 73123.

Mistress to take charge of Kindergarten of 50 children attached to a large Public School in London, and train Kindergarten students. Good experience essential. Non-res. post with good salary.—J 73266.

ART MISTRESSES.

Art Mistress for Private School in South America, to teach Drawing, Painting, and Arts and Crafts. Res. £150 and passage.—B 73438.

Art Mistress for Training College in the North, to take Drawing, Needlework, and Handwork. Good qualifications and experience. Resident from £90 upwards.—B 69484.

Assistant Art Mistress for large Public Secondary School in the Midlands. Should be able to offer some crafts. Non-resident about £120 to £130.—B 74053.

Art Mistress for large high-class Private Boarding School in Sussex. Good Drawing and Painting in preparation for Ablett's examinations. Needlework and Junior English desirable. Experience. Resident £70 to £80.—B 74364.

MUSIC MISTRESSES.

Head Music Mistress for Diocesan Secondary School in India to teach Pianoforte, Class Singing, and Harmony. A diploma, or first-rate training, good experience and Churchwoman essential. Res. £135 to £160 and passage.—B 73199.

Senior Music Mistress for Church of England Boarding and Day School in Sussex, to teach Pianoforte, Theory, Harmony, and Class Singing. Churchwoman. Res. £75 to £80.—B 73305.

First-rate Violin Mistress for large co-educational Boarding School. Some elementary Pianoforte required. First-rate training and experience. Resident £100 to £120.—B 74314.

Music Mistress for Public Secondary School. Class and Solo Singing, together with Pianoforte to Junior and Middle School or to Seniors. Non-resident, about £160 to £180.—B 73952.

Singing Mistress for important Public School in the Midlands, to teach Solo and Class Singing, Choir Training, &c., with Pianoforte or Violin as secondary subjects. Res. up to £90, increasing according to scale.—B 72190.

GYMNASTIC AND GAMES MISTRESSES.

Gymnastics Mistress for high-class Boarding School in Surrey, to teach Gymnastics, Remedial work, Games, and Hygiene. Res. £90 to £100, plus extra fees for Remedial work.—B 73022.

Drill and Games Mistress for high-class Private School in London. Dartford training preferred. Some experience. Resident £100.—B 71777.

Gymnastics Mistress for G.P.D.S.T. School in Home Counties. Bedford or Dartford training preferred. Experience desirable. Non-resident from £120 upwards, plus some capitation fees.—B 73664.

DOMESTIC SCIENCE MISTRESSES.

Domestic Science Mistress for Public Secondary School in Provinces. Needlework, Laundrywork, Cookery, Housewifery, and simple Dressmaking. Diplomas in four subjects. Experience desirable. Non-resident about £150 to £190 commencing.—B 73920.

Domestic Science Mistress for large Public Secondary School in the West of England. Needlework and Cookery essential. Non-resident from £150 upwards.—B 73501.

Domestic Science Mistress for large high-class Private Boarding and Day School in the North. Laundrywork, Housewifery, Needlework, Cookery, and elementary Dressmaking. Experience. Resident about £90.—B 74315.

Domestic Science Mistress for Private School in South America, to teach Cookery, Needlework, and Dressmaking. Res. £150 and passage.—B 73437.

Domestic Science Mistress for large Public Secondary School near Liverpool, to teach Cookery, Laundry, Housewifery, Needlework, and Dressmaking. Churchwoman essential. Res. £80 to £100, increasing to £150.—B 73197.

SEPTEMBER VACANCIES FOR NATIVE FRENCH TEACHERS.

Well-qualified young French lady required for Girls' Public Boarding School in Scotland. Knowledge of English and some experience necessary. Railway fare from London paid. Res. £70 rising to £90.—F 72992.

French Mistress for high-class Boarding School in Eastbourne, able to teach advanced French in Upper Forms. Good experience essential. Non-res. £140-£150.—F 71578.

French Mistress in large Private Boarding and Day School on South Coast. Good teacher, with experience in good English schools. Resident £60.—F 73608.

French Mistress in large Private Boarding and Day School on South-west Coast. Good teacher. English school experience a recommendation. Resident from £65.—F 73930.

French Mistress for high-class private School on South-west Coast. Good diplomas and experience in good English schools. Used to Juniors. Res. from £55 to £60 rising.—F 74225.

Senior French Mistress in large Public School for Girls near London. Good qualifications and good English experience. To take charge of French throughout the School. Protestant preferred. Resident £75.—F 73598.

MATRONS' AND HOUSE-MISTRESSES' DEPARTMENT.

Messrs. TRUMAN & KNIGHTLEY have many vacancies in Public and Private Schools for Boys and Girls for experienced School Matrons, House Mistresses, and Housekeepers at salaries ranging from £50 to £100 per annum, with board and residence.

ASSISTANT MASTERS' DEPARTMENT.

This department is under the personal direction of Mr. HEARD (of Westminster and Trinity College, Cambridge), who is in personal touch with the Head Masters of many of the leading Public, Secondary, and Preparatory Schools in the British Isles. There are already a large number of good appointments on the books for September.

No Charge for Registration.

Reduced Terms of Commission.

Offices:

158-162, OXFORD STREET, LONDON, W.1.

Telegrams: "Tutoress," Phone, London.

Telephone: Museum 1136.

CLASS BOOKS FOR SECONDARY SCHOOLS.

PUBLISHED AT THE

University Tutorial Press.

ENGLISH, FRENCH, LATIN.

English Course, Preliminary. By A. M. WALMSLEY, M.A., late Senior English Master, Middlesbrough Boys' High School. **2s.**
"An excellent first course in grammar and composition."—*Schoolmaster*.

English Course, The Matriculation. By W. H. LOW, M.A., and JOHN BRIGGS, M.A. *Third Edition.* **4s. 6d.**
"Admirably fulfils its purpose. The chapters on précis-writing and indexing are excellent."—*Westminster Review*.

English Grammar, Junior. With Parsing and Analysis. By A. M. WALMSLEY, M.A. *Second Edition.* **2s.**
"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association*.

English Composition, Junior. By E. W. EDMUNDS, M.A., B.Sc., Senior Assistant Master at Luton Modern School. **2s.**
"Makes plain for the young pupil the essentials of good writing."—*Education*.

English Composition, Senior Course of. By E. W. EDMUNDS, M.A., B.Sc. *Second Edition.* **3s. 6d.**
"Excellent devised and arranged."—*School World*.

English Verse, An Anthology of. For use in Schools and Colleges. By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. **3s. 6d.**
"A charming and truly representative collection."—*Guardian*.

English Prose, An Anthology of. For use in Schools and Colleges. By S. E. GOGGIN, M.A., and A. R. WEEKES, M.A. **3s. 6d.**
"The choice of writers could not well be bettered."—*Saturday Review*.

English Literature, The Tutorial History of. By A. J. WYATT, M.A. *Third Edition.* continued to the present time. **3s. 6d.**
"It is well written, well informed, and accurate."—*The Journal of Education*.

French Course, Preliminary. By H. J. CHAYTOR, M.A., Head Master of Plymouth College, and H. E. TRUELOVE, B.A. **2s.**
"An excellent first year's work, well arranged on systematic lines, with due regard to the advantages of the Direct Method."—*Athenaeum*.

French Course, New Junior. By G. A. ROBERTS, M.A., Head Master, Russell Hill School, Purley. **3s. 6d.**
"The book becomes a serious rival to those existing."—*Schoolmaster*.

French Course, Direct. By H. J. CHAYTOR, M.A., Head Master of Plymouth College. Illustrated. **2s.** With Vocabulary (French-English). **2s. 9d.** Vocabulary (separately). **10d. net.**
"Mr. Chaytor is a teacher of experience, and his book does him credit."—*School World*.

French Course, Senior. By Professor WEEKLEY, M.A., and "and CLAUDE GILLI, B.A. **4s. 6d.**
"A model of clearness and simplicity."—*The Journal of Education*.

French Composition, Groundwork of. By Professor ERNEST WEEKLEY, M.A. **2s. 9d.**
"The author's works have done much to raise the standard in French scholarship throughout the country."—*Secondary School Journal*.

French Essays, Matriculation. (Free Composition.) By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A. **2s.**
"A serviceable and well-graded book."—*School World*.

French Reader, New Junior. By J. P. R. MARICHAL, L. ès L., and L. J. GARDINER, M.A. **2s. 9d.**
"The co-operation of a French and an English editor has produced the happiest results."—*The Journal of Education*.

French Reader, Senior. With Introduction, Notes, and Vocabulary. By R. F. JAMES, B.A. **3s. 6d.**
"This is a splendid reader."—*Schoolmaster*.

Latin Course, New Junior. By J. V. THOMPSON, M.A., and LL. M. PENN, M.A. **4s. 6d.**
"A very successful compromise between the old and the new methods."—*Journal of the Assistant Masters' Association*.

Latin Course, Senior. By A. J. F. COLLINS, M.A., and ALFRED ROBINSON, B.A. **4s. 6d.**
"The book is business-like and well arranged."—*Guardian*.

Latin Authors, Selections from. Senior Edition. By A. F. WATT, M.A., and B. J. HAYES, M.A. *Third Edition.* **3s. 6d.**
"It is quite an interesting selection, and well done."—*School World*.

Latin Reader, New Junior. By A. J. TATE, M.A. **2s. 9d.**
"Mr. Tate has shown great judgment in the extracts he has chosen."—*Bookseller*.

HISTORY AND GEOGRAPHY.

Geography, Preliminary. By E. G. HODGKISON, B.A., F.R.G.S., Assistant Master, Crewe County School. **2s.**
"An admirable text-book, clear, direct, and well suited to the needs of pupils for whom it is intended."—*Literary World*.

Geography, Junior. By G. C. FRY, M.Sc. **3s. 6d.**
"A concise book of geography on modern lines. The diagrams are bold and convey definite visual instruction directly illustrating the text."—*Education*.

Geography, Textbook of. By G. C. FRY, M.Sc. *Second Edition, Revised and Enlarged.* **5s. 6d.**
"A capital exposition of the modern methods of treating geography."—*Teacher's World*.

Physical Geography, Principles of. Adapted from the Physical section of the *Textbook of Geography*. By G. C. FRY, M.Sc. **2s.**
"In this thoroughly serviceable volume Mr. Fry prepares the way clearly and fully for the study of economic and regional geography."—*Educational News*.

Government of the United Kingdom, its Colonies and Dependencies. By A. E. HOGAN, LL.D., B.A. *Third Edition, Revised and Enlarged.* **3s. 6d.**
"An elementary account of the British Constitution suitable for upper schools. The account of the present-day institutions of the British Empire is good and clear."—*School World*.

History of England, School. By M. E. CARTER, Honour School of Modern History, Oxford. **4s. 6d.** Also in three parts as follows:—I, to 1603; II, 1485-1714; III, 1660-1910. **2s. each.**
"Very careful judgment has been exercised in the selection of the matter, and a proper perspective maintained."—*Educational Times*.

History of England, Preliminary. By M. K. ELLIOTT, Honours in the Historical Tripos, Cambridge, and M. S. ELLIOTT, M.A. With Illustrations. **2s. 9d.**
"In addition to an outline of political events it tries to give some idea of social and constitutional development and also to connect history with geography. It is clearly written and well illustrated."—*School World*.

English History, Groundwork of. By M. E. CARTER, Honour School of Modern History, Oxford. **2s. 9d.**
"A very readable outline of the salient facts of English History. The material is well arranged and the language is simple."—*Educational News*.

Social History of England, A. By FREDERICK BRADSHAW, D.Sc., M.A. **5s.**
"An elementary account, suitable for use in the upper forms in schools, of the social and economic development of England.
"A clear and concise textbook, exceedingly well expressed and well set out. It is indeed the best book of reference on this difficult topic that we have seen."—*Guardian*.

Rome, History of: The Tutorial, to 37 A.D. By A. H. ALLCROFT, M.A., and W. F. MASON, *Fourth Edition, Revised and in Part Rewritten* by J. F. STOUT, B.A. **4s. 6d.**
"An accurate and capable manual for students."—*Speaker*.

Greece, History of: The Tutorial. By W. J. WOODHOUSE, M.A., Professor of Greek in the University of Sydney. **5s. 6d.**
"The outcome of wide reading, high scholarship, and much original thought."—*Westminster Review*.

For other announcements of the University Tutorial Press, see pp. 350, 369.

Complete Educational Catalogue, and Catalogue of Class Books for the Oxford and Cambridge Locals, the Higher School Certificate, and London University Matriculation Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

London: Printed by C. F. HODGSON & SON, Newton St., Kingsway, W.C.2; and Published for the Proprietors by Mr. WILLIAM REES, 3 Ludgate Broadway, E.C.4.

Supplement to
THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 599.

JUNE 2, 1919.

University Correspondence College.

(FOUNDED IN 1887.)

Principal :

WILLIAM BRIGGS, LL.D., D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.



During the last Fifteen Years

6940

University Correspondence College Students

have passed

**INTERMEDIATE AND DEGREE
EXAMINATIONS OF THE LONDON UNIVERSITY**

In addition to gaining **5207** successes at Matriculation and numerous other successes
at other Examinations exempting from Matriculation.

Some Press Opinions of University Correspondence College.

"There will always be large bodies of students who from unfavourable circumstances of locality, means, time, age, or for other special reasons, cannot avail themselves of the opportunities of oral instruction. To these a well-organized Correspondence College, such as that which flourishes under the direction of Dr. Briggs, with its highly qualified and expert teachers, its clerical staff, and well devised machinery, is a help of the most valuable kind."
—*The Schoolmaster*.

"The Tutors of the College are experts in clearing up difficulties, and no student who follows their instructions and has the necessary industry need anticipate failure in the successive ordeals to which the graduate must submit."
—*School World*.

"When a tutorial staff gives its whole time to a special kind of work, with the result that it has over twelve thousand successes to chronicle for a period of twelve years, the omens are favourable to candidates seeking its advice."
—*School Guardian*.

"The success achieved by the University Correspondence College and the opportunities and encouragement given by it to home-students are now universally recognized."
—*Girls' Realm*.

"The most renowned institution of this kind is probably the University Correspondence College."
—*The School Journal, U.S.A.*

"A large organization that has developed remarkably upon its inherent merits. The College is doing eminently useful work."
—*The Educational Times*.

"University Correspondence College is itself, in a sense, entitled to University rank: in conjunction with London University it is fulfilling a function of truly national importance."
—*Educational News*.

"University Correspondence College is doing a splendid work, offering as it does most of the advantages of College or tutorial training to such students as draughtsmen engaged in works in isolated districts where no technical college exists."
—*Engineering*.

"For London University Examinations we can recommend University Correspondence College with the greatest possible satisfaction. The College staff is one of remarkable brilliance."
—*London Teacher*.

"University Correspondence College, the most remarkable modern educational institution in the kingdom, whose system of tuition by correspondence is to-day recognized both in the home country and in our principal colonies as the most successful of its kind in existence."
—*Publishers' Circular*.

Prospectus, giving particulars of courses and fees, post free, on application to the Secretary,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

MACMILLAN'S LIST.

Problems of National Education. By Twelve Scottish Educationists. With Prefatory Note by the Right Hon. ROBERT MUNRO, K.C., M.P., Secretary for Scotland. Edited by JOHN CLARKE. 12s. net.

The Intuitive Basis of Knowledge. An Epistemological Inquiry. By Professor N. O. LOSSKY, Authorised Translation by NATHALIE A. DUDDINGTON, M.A. With a Preface by Professor G. DAWES HICKS. 16s. net.

A History of the French Novel (To the close of the 19th Century.) By GEORGE SAINTSBURY, M.A., Hon. D.Litt. Oxon. Vol. II, From 1800 to 1900. 18s. net.
The Aberdeen Daily Journal.—"Like the previous volume, this study of the French novel is a most valuable compendium for the student and connoisseur of literature alike."

Botany of the Living Plant. By F. O. BOWER, Sc.D., F.R.S., Regius Professor of Botany in the University of Glasgow. With 447 Figures. 25s. net.
The Athenaeum.—"This is a comprehensive text-book of Botany, worthy in every sense of the best English tradition of lucid scientific writing. . . . Professor Bower deserves our congratulations and our thanks."

A Text-book of Embryology. Vol. II, Vertebrata with the exception of Mammalia. By J. GRAHAM KERR, F.R.S., Regius Professor of Zoology in the University of Glasgow. Illustrated. 31s. 6d. net.
The Glasgow University Magazine.—"The reputation of the author as one of the chief exponents of the traditional British methods of morphological investigation decided that the issue of this volume should be awaited with considerable interest, and we find that Professor Graham Kerr has amply fulfilled the expectations of even advanced scholars of the subject. . . . We can but describe Professor Kerr's book as a great work."

The Theory of Heat. By THOMAS PRESTON, D.Sc., F.R.S. Third Edition. Edited by J. ROGERSON COTTER, M.A. Illustrated. 25s. net.

A Geography of America. By T. ALFORD SMITH, B.A. (Lond.), F.R.G.S. Senior Geography Master, St. Dunstan's College, Catford. With over 100 Maps and Illustrations. 4s. 6d. [Macmillan's Practical Modern Geographies.]

Macmillan's Geographical Exercise Book—Africa. With Questions. By B. C. WALLIS, B.Sc., F.R.G.S. Sewed, 1s. 6d.

ENGLISH LITERATURE FOR SECONDARY SCHOOLS. NEW VOLUMES.

Sir Philip Sidney's Defence of Poesy. Edited by DOROTHY M. MACARDLE, B.A. Sewed, 1s. 3d.

Ruskin. The Crown of Wild Olive. Three Lectures on Industry and War. Edited for Schools by J. H. FOWLER. Sewed, 1s. 3d.

Eliot. Silas Marner. Abridged for Schools. By MAY COPSEY, B.A. Sewed, 1s. 6d.

English Literature During the Last Half Century. By Prof. J. W. CUNLIFFE, D.Litt. 10s. 6d. net.

A Foundation Course in Spanish. By L. SINAGNAN, Pd.M. 5s. 6d. net.

Elementary Mensuration, Constructive Plane Geometry, and Numerical Trigonometry. By P. GOYEN, author of "Advanced Arithmetic," "Principles of English Composition," &c. 3s. 6d.

A Manual of Machine Design. By FRANK CASTLE, M.I.Mech.E., late of the Mechanical Laboratory, Royal College of Science. 7s. 6d.

Elementary Chemistry of Agriculture. By S. ALLINSON WOODHEAD, M.Sc., F.I.C. Illustrated. 3s. 6d.

W. & A. K. JOHNSTON'S PUBLICATIONS.

The following are now in *Active Preparation* and will be published *Immediately the Peace Boundaries are settled*—

IMPERIAL WALL MAPS OF EUROPE, ASIA, and AFRICA. 72" × 63".

LARGE SCHOOL WALL MAPS OF EUROPE, ASIA, and AFRICA. 50" × 42".

SMALL SCHOOL WALL MAPS OF EUROPE, ASIA, and AFRICA. 34" × 28".

EDINA JUNIOR HISTORIES.

Suitable for Upper Standards, Higher Elementary and Central Schools and Lower Forms of Secondary Schools.

Written on the Most Modern Approved Methods.

BOOK I—The Age of Settlement. B.C. 55—A.D. 1154.

BOOK II—The Age of Chivalry. A.D. 1154—A.D. 1485.

BOOK III—The Age of Discovery. A.D. 1485—A.D. 1603.

BOOK IV—The Age of Strife. A.D. 1603—A.D. 1713.

BOOK V—The Age of Empire Building. A.D. 1713—A.D. 1815.

BOOK VI—The Age of Democracy. A.D. 1815—A.D. 1918.

The Scottish Educational Journal.—"Miss Westlake and Mr. Franklin have performed a distinct service in issuing this 'age' series of histories. . . . The series seems to us to be on the most approved lines, and we heartily recommend it to our readers."

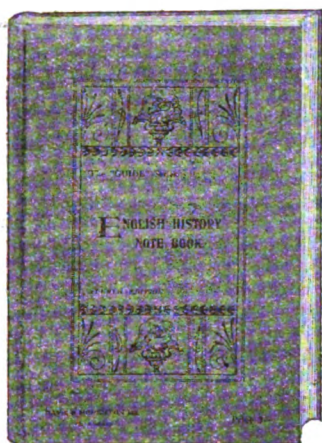
Ready
Shortly
1s. 4d.
net each

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C. 2.

**FIFTH
EDITION.**

**ENGLISH HISTORY
NOTE BOOK.**

Now Ready.



Revised Throughout.

Brought up to date—

August 4th, 1914. Declaration of War on Germany
by Great Britain.

Also a New Appendix on—

THE STATE IN RELATION TO TRADE.

By M. A. ROLLESTON (First Class Historical Tripos),
with Introduction by the Rev. T. W. SHARPE, C.B.,
Principal of Queen's College, London, and late H. M.
Senior Chief Inspector of Schools.

APPENDICES containing Summaries of the Histories of
(1) Ireland, (2) Scotland, (3) Wales, (4) Great Britain,
(5) India, (6) The Army, (7) The Navy, (8) The Church,
(9) The Constitution, (10) Relations of England to
France, (11) The State in Relation to Trade, with
Glossary, Index, Bibliography, &c.

Price 4s. net.

DAVIS & MOUGHTON, LTD.,
BIRMINGHAM,
Educational Publishers,
And all Booksellers.

THE CLASSICAL ASSOCIATION.

THE Classical Association held its annual general meeting at Oxford on May 16 and 17. Sir William Osler opened the Conference with a presidential address on "The Old Humanity and the New Science." He pointed out "that there was nothing really antagonistic between science and the humanities, and quoted from old times many names of distinguished men of science who had also won renown in scholarship. But the extraordinary development in every branch of scientific knowledge which had taken place in the last hundred years had thrown the humanities into the shade. Considering the importance of the newer studies, they ought to occupy a higher position in our Universities than they do at present, and science was inclined to be resentful. But it should not be supposed that the days of humanistic education are past; both science and classics had their proper place in education, and the present hostility between the two was harmful to both. It was true that classical studies had tended to run too much on conservative lines, generally insisting on a lengthy training in the minutiae of grammar which was useless and tedious to any but the specialist; but, on the other hand, science had gone too far in its revolt from the humanities.

"Men of science, instead of losing themselves in the backwaters of premature specialization, should be made to realize the continuity of the history of their own studies. The foundations of a knowledge of the system of Nature had been laid by great writers of old—Hippocrates, Galen, Theophrastus, Hero, Aristarchus, and others—who could only be known by the help of classical scholars. Let men of science study the anthropological speculations or the magnetic theory expounded by Lucretius, and they would realize their debt to antiquity; but at the same time let the Humanists play their part by pointing out the value of ancient science and making it more accessible. Great good should result from the establishment of a new Honours School of Philosophy in relation to Science, which the friends of both great branches of learning were hoping to establish in Oxford."

That the supporters of classical education are fully alive to the needs and opportunities of the time was shown by the discussion, lasting over three hours, on the report of a special committee appointed to consider Greek Curricula in Schools. The complaint is constantly made that a boy or girl may spend years on the subject, and yet leave school without knowing anything of Greek literature, or, at the best, having read only a book or so of Xenophon. The report was divided into two sections: the first on public-school teaching, in which Greek occupies a prominent place; the second, and more important, dealing with schools where only a strictly limited time can be spent on Greek.

Both sections were entirely reasonable and satisfactory; the latter, in particular, proved that, by the use of a proper system, boys and girls may be taught in a couple of years, and with only four or five short lessons in a week, to read and appreciate the best literature.

An evening reception was held at the Ashmolean, where Prof. Percy Gardner, lectured on recent acquisitions of the Museum and Mr. A. B. Cook on Pillar-worship in Greece, and Prof. Grenfell exhibited a collection of papyri. On the following day Prof. J. L. Myres gave an able lecture, entitled "Gladstone on Homer," and Prof. J. S. Phillimore gave a witty review of the progress of modern criticism. A long business meeting closed a very satisfactory Conference.

GLAMORGAN SUMMER SCHOOL.—The fourteenth Annual Holiday Course will be held at the County Schools, Barry, from July 28 to August 23 next, under the directorship of Mr. A. Sutcliffe. A staff of experts has been appointed, and additional instructors will be engaged immediately they are required. Special importance will be given to hygiene and physical training. Application forms for admission to the school may be obtained from the Chief Education Official, County Hall, Cardiff.

REVIEWS AND MINOR NOTICES.

THE CAMBRIDGE HISTORY OF AMERICAN LITERATURE.

A History of American Literature. Supplementary to the "Cambridge History of English Literature." Vols. I and II. (17s. 6d. net each. Cambridge University Press.)

Have the interest and importance of American literature for teachers of English ever been sufficiently appreciated? The ordinary histories of English literature either exclude American authors from their survey or give them casual and perfunctory notice. This is natural enough, and it is intelligible on literary as well as on national grounds. For even the contributors to this history, Americans all of them, are constrained to admit, by implication if not directly, that America has produced few writers of genius. But it would be regrettable if the scant space accorded to American authors in English histories of literature should lead the English teacher, as it easily may, to ignore the value of these authors for his special task. That very lack of the profundities which forbids us to attribute to any of them a place among the supremely great may be of some advantage in the school-room. Neither in thought nor in expression are the best American writers of the nineteenth century very difficult for a boy or girl. And to this negative advantage we may add a positive one. These writers belong, on the whole, to "the entre," to the great tradition of English literature. They have a reverence for that tradition, a sense of the greatness of their literary inheritance and of what is due to it, which makes them sound guides for the beginner. It may detract from the greatness of O. W. Holmes that he should be, as Dr. Brander Matthews says, "a survival of the eighteenth century, when English literature conformed to French principles"; but for the youthful practitioner in essay-writing it is all to the good that he should have a nineteenth-century model who is of the school of Addison.

As an elderly reviewer turns over the pages of these two goodly volumes, it comes to him with something of a shock to find how large a place the Americans filled in his youthful reading nearly half a century ago. In childhood there were Hawthorne's "Wonder-Book" and "Tanglewood Tales," Mrs. Beecher Stowe's "Uncle Tom's Cabin," Irving's "Rip van Winkle," and Longfellow's poems—including what Prof. Trent happily dubs "the egregiously anabatic" "Excelsior." Later, there were Hawthorne's novels, Motley and Prescott's histories, Poe's tales and poems, Whittier; and, a little later again, Lowell, Emerson, Thoreau, and Whitman, W. D. Howells and Henry James, and the short stories of Bret Harte, G. W. Cable, and T. B. Aldrich. (If Mark Twain is not in this list it is not because he was not read and enjoyed, but because some of his writing, e.g. "A Yankee at the Court of King Arthur," will be kept out of the way of youth by the judicious preceptor: its aggressive Philistinism is the more deadly because of its cleverness.) Do we make all the use we might of these authors nowadays? Poe, for instance, is not a great poet, but Prof. Campbell is right in saying that his metrical influence has been great, and his metres have a fascination for schoolboys.

In the small space here available it has seemed more worth while to point out the educational importance of American writers than to attempt criticism of the separate chapters in what is a collection of monographs of unequal merit by American professors of literature. The weak points of the "history" are mainly those which have been noticed in the English volumes to which these are a supplement—a lack of proportion and uniformity of standard, and the tendency to include too much for the sake of completeness. Not merely in the copious bibliographies, but in the actual text, many books are mentioned which Charles Lamb would certainly have counted *biblia abiblia*, "books that are no books." Some of the writing is more American than literary, e.g. "The informational path trod first by Goodrich and Abbott grew to be the main road for future juveniles." The essays on Emerson, Hawthorne, Longfellow, and Holmes are real

contributions to criticism; but the general impression left by the two volumes is that the professors enlisted have not risen to the full height of their opportunity. A third volume, completing the work, is in preparation.

CLASSICS.

Harvard Studies in Classical Philology. Vol. XXIX. (6s. 6d. Harvard University Press.)

This volume contains three articles of great interest. The most important is undoubtedly the first—Plato's View of Poetry—in which Mr. Wm. Chase Greene, following the dialogues in historical order, shows that Plato approached the subject of poetry and its relation to his philosophic system from different points at different times. He deals somewhat fully with the two attitudes to poetry in the earlier and later books of the "Republic." In one sentence his view is that in the earlier books Plato admitted poetry to his commonwealth so far as it imitated the good and the beautiful, but in the tenth he excluded it because, "as imitation, it is incapable of apprehending the truth." In other words, Plato, both here and in other dialogues, changes his ground. For Plato was himself a poet as well as a philosopher; he knew the good of poetry and how sometimes it was inspired, but he felt also at times its serious danger, especially in the compositions of his contemporaries. His creed about poetry was never permanently fixed. In the second article Dr. Cary gives us the collation made by himself and the late Prof. J. W. White of the MSS. of Aristophanes' "Birds." Unfortunately Prof. White died before publishing any of his work on Aristophanes on which he had been engaged for years. He had amassed "the most complete apparatus, including collations of the MSS. for both text and scholia," and he had published some preliminary studies such as his "Verse of Greek Comedy" and "Scholia on the Aves," but he had before his death completed his final revision of the text and commentary for only one-third of this one play. Dr. Cary, who had done most of the preliminary collation, publishes here the results of his own and Dr. White's work for the whole play. The third article, by Mr. G. W. Robinson, is a collection from the works of the greatest of modern scholars, Joseph Scaliger, of his estimates of the authors of classical antiquity. These are always suggestive, and their number is extraordinary. We are glad to see that of all ancient writers Scaliger thought Virgil the greatest: *divinus poeta; doctissimus Romanorum, omnium poetarum princeps.*

EDUCATION.

Education and Statesmanship in India. By H. R. JAMES. Second Edition. (4s. 6d. net. Longmans.)

Mr. H. R. James's work on Indian education deservedly reaches its second edition, the first having been issued three years before the War broke out. Mr. James wrote to defend the policy of the Government, and to remove misunderstandings which, in his view, lay at the root of a good deal of adverse criticism. The War, he says, has been a test, and may reasonably be claimed as a complete vindication of the main thesis of his book. "A system which has shown its results in such splendid loyalty and munificence and valour at a time of supreme crisis—results not to be paralleled in the world's history—cannot have been mistaken." But the programme of reform planned in 1913, a programme which embraces all grades of education, has of necessity been for the most part suspended during the War. It will, says Mr. Marsh, go forward on the return of peace. Yet when peace is restored the need of a right understanding of educational problems in India will be greater than ever. Mr. Marsh writes from the conviction that only better education can overcome the difficulties of inevitable political transition.

Human Nature and its Remaking. By WILLIAM E. HOCKING. (12s. 6d. net. H. Milford: Yale University Press.)

To those who are willing to do some hard thinking, and be led back to first principles, this stimulating study in human personal development, both in its individual and social aspects, by the Professor of Philosophy in Harvard University, may be warmly commended. Dr. Hocking skilfully surveys, in a series of illuminating chapters, the whole wide field suggested by his title, in its broader aspects. This discussion, which seems to us to be singularly well-balanced and well articulated, is divided into seven parts, which, after a preliminary "orientation" (Part I), deal respectively with "the natural man," "conscience," "experience," "society," "art and religion," and "Christianity." We can only here refer cursorily to the author's treatment of "Education," which forms the subject of a special chapter in Part V. In accordance with his view of human nature as a group of instincts which require for their development "exposure" to their appropriate stimuli, he insists that Education has an instinctive basis and function. Its *milieu* must be a society which has developed "social self-consciousness and self-criticism."

But though it proceeds necessarily in an attempt to reproduce the type from which it springs, it must provide for growth beyond, and variation from the type. "To bring instincts into action, all that any social environment need do (and almost all it can do) is to supply the right stimulus, together with an indication of what the stimulus means. A response cannot be compelled; for whatever is compelled is not a response. No behaviour to which we might drive a child would be play; if playthings and playing comrades fail to bring out the play in him, we are all but helpless. A response can only be *educated*." Dr. Hocking rightly sees that if definite religious teaching is to be excluded, some adequate substitute must take its place. "The pre-war experience of France in secular education has furnished a striking instance of the principle that in education a vacuum is equivalent to a negation. In one case, as in the other, instinct is robbed of its possibility of response." The author insists that an essential and fundamental part of education is concerned with the *will*, with evoking and guiding the instinct of "the will to power." He makes some wise remarks on the importance of "proportion" in any educational system, of "happiness" in the teacher, and of the necessity of ultimate "self-elimination of society" in the process of a true education.

The Port-Royalists on Education. By H. C. BARNARD.
(7s. 6d. net. Cambridge University Press.)

In his "The Little Schools of Port-Royal," Mr. Barnard has already treated his subject in the orthodox way of the University training college. Here he gives us that newer sort of book that is rapidly coming into favour with those who teach the history of education. We are presented with the actual work of the Port-Royalists themselves. Enough is given by way of introduction to enable the student to place the movement in the general line of educational development. Further, there is an account of each of the prominent people connected with the movement. But the body of the book is taken up with the actual writings of the "Gentlemen." The selection has been well made, with the result that we have here a thoroughly representative body of doctrine that will give the student the chance of forming his own opinion of the real meaning and importance of the contribution of this remarkable educational institution. The book is well adapted for class use, but is so self-contained that the private student will find in it all that he can possibly want. At first we were inclined to cavil at the "Notes," and to make disagreeable references to the old-fashioned annotations to Shakespearean texts. But to our surprise we found ourselves glad to fall back upon the notes on our own account—as, for example, to find out who was "the greatest man of recent years." Accordingly, we welcome the whole book, notes and all, as a valuable addition to the literature on the subject.

Pedagomania. By a BACHELOR OF ARTS.
(4s. 6d. net. Fisher Unwin.)

There is material enough here to form a good magazine article. But "A Bachelor of Arts" has no right to ask the public to spend its time on his unwholesomely distended pages. It is not that the subject does not lend itself to humorous treatment—such treatment is greatly to be desired—but that the method is not well applied. The Simple Simon style is here carried to a ridiculous excess, and repels the reader. The strength of the book lies in the typification of the ancients and moderns. There are some excellent points, too, in the "Methods of Teaching." If the author will cultivate self-restraint, and take a little more trouble, he has the ability to produce a really effective bit of humorous writing.

The Gary Schools. A General Account. By A. FLEXNER and F. P. BACHMAN. (25 cents. New York: General Education Board.)

Hitherto the Gary system has been presented to us either in terms of glowing eulogy or of grim distrust. Here we have a reasoned statement of the scheme as it actually is. The writers have been afforded every opportunity, and have fully availed themselves of all that has been offered. A good many misconceptions are removed by the plain statements of fact here made. While not unfriendly to the novelties involved in the Gary plan, the writers maintain an eminently judicial attitude, as is to be expected from experts who have been called in by an educational authority to report upon the education provided. The general conclusion reached is that in the ordinary school subjects the Gary schools barely hold their own as compared with other districts, but that, in the newer lines of workshop and laboratory work and in wholesome physical training, they are in advance. The authors are almost too diffident in passing opinions. In any case they regard the system as still under observation. "The 'duplicate' school organization should, therefore, be viewed as an experiment to be watched and modified, rather than assumed as a principle according to which a school schedule may be arbitrarily arranged." Other volumes are to follow this general account.

The Music of Life. By CHARLES T. SMITH. (6s. net. King.)

Here we have an account of the artistic work done by an enthusiastic assistant master in an elementary school in the Isle of Dogs. Mr. Smith obviously has been remarkably successful in his music teaching, and he is particularly proud of producing grand opera ("Faust") with elementary-school children as performers. We wonder whether he has read what Dr. Percy Buck has written on school concerts on page 308 of "The New Teaching." We must leave the experts to fight it out amongst themselves, but the problem of the number of "parts" to be used in school choral work need not obscure the whole firmament. Mr. Smith has done an admirable piece of work in supplying us with examples of how appreciation of the various forms of art may be cultivated in the elementary schools. It is pathetic to read his descriptions of things as they are and as they might be. He recognizes all the difficulties of the situation, but faces them in a spirit of optimism that cannot fail of success in his own case, and may well stimulate others to emulate him. He does not limit himself to music and dancing. He supplies a remarkable chapter on the teaching of art—a chapter that deserves the respectful attention of all who are honestly desirous to improve the condition of our working classes. We wish Mr. Smith God-speed in his work.

Biology of Sex, for Parents and Teachers. By Dr. T. W. GALLOWAY. (2s. net. Heath.)

Though the fact is strangely enough ignored in this re-issue, we may mention, lest any reader should be misled, that Dr. Galloway's book was published first in America in 1913, and that there is little difference between the new edition and the old. We gladly direct attention, however, to this edition published in England because of our high opinion of the book. Whatever one's views may be about sex instruction, there is no doubt that adults responsible for the training of children should themselves be duly instructed. It is for them that Dr. Galloway writes, and they could not have a saner or a more suggestive guide. Some books on the subject are coldly scientific, and others are far too sentimental. Dr. Galloway's matter and manner strike us as just right. An excellent instance in point is his suggestion for dealing with a boy addicted to self-abuse. We unreservedly recommend the book to our readers.

Living Water: Chapters from the Romance of the Poor Student. By HAROLD BEGBIE. (2s. 6d. net. Headley.)

All our readers have heard of the interim Report of the Committee on Adult Education, and we hope that most of them have made acquaintance with it. We can hardly describe Mr. Begbie's little book better than by saying that it may be regarded as a most refreshing and illuminating concrete commentary on that Report. A dozen examples of the poor student, with his ideals and his struggles, of the working man who is not ashamed of his labour but is profoundly dissatisfied with his ignorance and the ignorance of his class, are here vividly and sympathetically described. The prevailing note of the book is that the modern labour movement, which has, perhaps, inevitably struggled only for material objects, has got to learn that man does not live by bread alone, and that "no worse fate could befall a country than to be governed by an uneducated democracy." The operations of the Workers' Educational Association and of kindred movements receive fine illustration in Mr. Begbie's most interesting sketches.

Patriotism and Popular Education. By HENRY ARTHUR JONES.
(3s. 6d. net. Chapman & Hall.)

This passionate and often indignant discourse deals with a thousand and one subjects as diverse as the conditions of our theatres and the League of Nations, or slang and internationalism, and is addressed in the form of a letter to Mr. Fisher, as President of the Board of Education. It is not meant to be a textbook for teachers, but they, in common with other citizens, will find what Mr. Jones has to say both thought-compelling and heart-searching. We heartily agree with him that the first great lesson of popular education is that honest, careful, useful, productive work for our fellows, each in our allotted sphere, is the first and main duty of us all to the State. All careless, scamped, and dishonest work is a crime against the State. With another of his governing rules for popular education there will be less complete agreement, though the great majority will acquiesce: it should impress every boy with the idea that it is his duty to defend his country, and prepare him so far that he may easily be made fit for that duty. Mr. Jones accuses himself of "most irritating and wearisome reiteration," and we have to confess that we think the book would have been greatly improved by severe pruning. And if the word "whimsies" could have been used a little less frequently one reader would have been saved much irritation. If some day Mr. Jones could say, in the length of one of the seven chapters of the present volume, where he thinks our education has gone wrong and how he would propose to put it right, severely restraining himself at each step and

(Continued on page 412.)

Cambridge University Press

A Short Italian Dictionary. By ALFRED HOARE, M.A. Demy 8vo. **Volume II—English-Italian.** 7s 6d net

Vol. I, Italian-English, previously published, 9s net. Volumes I and II, bound together, 16s 6d net; India paper edition, 17s 6d net

"May be heartily recommended as far and away the best portable dictionary of Italian."—*The Saturday Review* on Vol. I

Translation from French. By R. L. G. RITCHIE, M.A., Lecturer in French in the University of Edinburgh, and JAMES M. MOORE, M.A., Rector of the Madras College, St Andrews. Demy 8vo. 6s 6d net

"A book which is clear, helpful, and a pleasure to read and work through. We say 'work through,' because the most valuable part is certainly that section which consists of models, or specimens of how fine translation should be carried out. It is in these passages, so carefully and delicately handled, that the science and art of the authors is most evident. . . . This, in short, is a very good book, and it should be bought."—*The Times*

Selections from Sainte-Beuve. Edited by ARTHUR TILLEY, M.A., Fellow and Lecturer of King's College, Cambridge. Crown 8vo. 6s net

"With the introductory essay on the great critic's life and methods, this set of nine portraits and causeries will form an excellent basis for the more extended study of Sainte-Beuve."—*The Athenæum*

Regnard: Le Joueur. Edited by ARTHUR TILLEY, M.A. Crown 8vo. 4s net

Lesage: Turcaret. Comédie. Edited by A. HAMILTON THOMPSON, M.A., F.S.A. Crown 8vo. 6s net

The Cambridge Modern French Series. Edited by A. WILSON-GREEN, M.A.

"The aim of the Cambridge Modern French Series is to make French teaching more intelligent and real, and therefore more interesting and effective."—*The Athenæum*

SENIOR GROUP

Six Contes. Par Guy de Maupassant. Edited, with Introduction, Exercises and Vocabulary, by H. N. P. SLOMAN, M.A. 3s net

Ce que disent les Livres. Par Emile Faguet, de l'Académie française. Edited by H. N. ADAIR, M.A. With 8 portraits. 3s net

Manuel de Lecture Expliquée: XIX^e Siècle. Edited by S. A. RICHARDS, M.A. 3s net

Théodore de Banville. Gringoire. Comédie en un Acte en Prose. Edited by A. WILSON-GREEN, M.A. 3s net

MIDDLE GROUP

Causeries du Lundi. Franklin et Chesterfield. Par C. A. Sainte-Beuve. Edited by A. WILSON-GREEN, M.A. 2s 6d net

Les Ailes de Courage. Par George Sand. Edited by F. B. KIRKMAN, B.A. 3s net

J. J. Jusserand. La Vie Nomade, et les Routes d'Angleterre au XIV^e Siècle. Edited by A. WILSON-GREEN, M.A. 4s net

Honoré de Balzac. Le Colonel Chabert. Edited by SYDNEY H. MOORE, M.A. 3s net

JUNIOR GROUP

La Maison aux Panonceaux. Par Lady Frazer. With exercises and vocabulary by A. WILSON-GREEN, M.A. 2s net

Cambridge Bulletin. The publication of the Cambridge Bulletin, which gives particulars of new books published by the University Press, has been resumed. No. XXXIII, April 1919, is now ready and will be sent post free on application.

Advanced Lecture Notes on Light.

By J. R. ECCLES, M.A., Head Master, Gresham's School, Holt. Ready shortly.

Recent Discoveries in Inorganic Chemistry. By J. HART-SMITH, A.R.C.S., F.I.C. Demy 8vo. 4s 6d net

"Every teacher has a favourite textbook which fits his teaching methods better than any other, but scientific textbooks grow rapidly out of date. This little book will obviate the difficulty: it contains in compact and handy form a résumé of those recent discoveries which have made the regular textbook incomplete."—*The A.M.A.*

Botany. A Textbook for Senior Students. By D. THODAY, M.A., Lecturer in Physiological Botany, University of Manchester. Revised and enlarged edition. Crown 8vo. With 230 text-figures. 7s 6d net

"It is a pleasure to be able to recommend an introductory book on botany. . . . The illustrations are excellent and the general style of the book is of the quality to be expected from the Cambridge Press."—*The Gardeners' Chronicle*

Model Drawing, Geometrical and Perspective. With Architectural Examples. By C. OCTAVIUS WRIGHT and W. ARTHUR RUDD, M.A. With 310 diagrams. 6s net

"The authors have turned to the most natural field of reality—architecture—and, by concrete examples, have shown how these geometrical forms have a real existence in the world about them. The whole study must gain in interest and purpose in consequence. . . . Model drawing, even though an arduous study, will become a living and vital one, full of varied interest."—*The Journal of Education*

Stories from Spenser. By MINNA STEELE SMITH, Fellow of Newnham College. Crown 8vo. With 8 pictures. 3s net

"This little book of stories from Spenser is intended to form a volume of the series admirably begun by Miss Macaulay's *Stories from Chaucer*. The selections from Spenser in the present volume are taken from the first two books of *The Faerie Queene*, with a few episodes from Books III and IV. Short passages of Spenser's verse have been inserted at frequent intervals in the prose paraphrase."—*Extract from the Preface*

Britain in the Middle Ages. A History for Beginners. By FLORENCE L. BOWMAN, Lecturer in Education, Homerton College, Cambridge. Crown 8vo. With 28 illustrations. 3s net

Since, in the early stages of school work, it is more important to present, as vividly as possible, some of the fundamental historic ideas than to give any outline of events, considerable use is made of literature as historic evidence in this collection of stories told from the chronicles. Questions are included in an appendix.

Macaulay: History of England, Chapters I and III. Edited by W. F. REDDAWAY, M.A. Fcap 8vo. 2s 3d net each

The Cambridge Bible for Schools and Colleges. Latest volumes:—

Deuteronomy. In the Revised Version. Edited by Sir GEORGE ADAM SMITH. 6s 6d net

Joshua. In the Revised Version. Edited by G. A. COOKE, D.D. 2s 9d net

Job. Edited by A. B. DAVIDSON, D.D., and adapted to the Revised Version by H. C. O. LANCHESTER, M.A. 5s net

Obadiah and Jonah. In the Revised Version. Edited by H. C. O. LANCHESTER, M.A. 2s 6d net

A prospectus of the series, which was recently completed by the publication of *Deuteronomy*, will be sent on application.

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

Cambridge University Press

Books suitable for the Cambridge Local Examinations, 1920

ENGLISH

- De Foe. Robinson Crusoe, Part I.** Edited by J. HOWARD B. MASTERMAN, M.A. 3s net
[*Preliminary and Junior*]
- Goldsmith. Selected Essays.** Edited by J. H. LOBBAN, M.A. 1s 3d [Senior]
- Macaulay. History of England, Chapter III.** Edited by W. F. REDDAWAY, M.A. 2s 3d net [Senior]
- Milton. Comus and Lycidas.** Edited by A. W. VERITY, M.A. 3s net [Senior]
- Milton. Sonnets.** By the same editor. 2s 6d net [Senior]
- Scott. The Lay of the Last Minstrel.** Edited by J. H. FLATHER, M.A. 2s 6d net [Preliminary and Junior]
- Scott. The Talisman.** Edited by A. S. GAYE, B.A. 4s net [Junior]
- Shakespeare. Hamlet.** Edited by A. W. VERITY, M.A. 2s 6d net [Senior]
- Shakespeare. The Tempest.** Edited by A. W. VERITY, M.A. 2s 3d net [Junior and Senior]
- Shakespeare. The Tempest.** Edited by J. H. LOBBAN, M.A. 1s 6d net [Junior and Senior]
- Shelley, Selections from the Poems of.** Edited by A. H. THOMPSON. 3s net [Senior]
- The Revised English Grammar.** By A. S. WEST, M.A. 3s 6d net [Senior]
- The Revised English Grammar for Beginners.** By A. S. WEST, M.A. 1s 6d net [Preliminary and Junior]
- A Junior Graphic Grammar.** By E. A. A. VARNISH and J. H. HANLY. 2s 6d net [Junior]
- English Grammar: Descriptive and Historical.** By T. G. TUCKER, Litt.D., and R. S. WALLACE, M.A. 3s net
- English Composition, with Chapters on Précis Writing, Prosody, and Style.** By W. MURISON, M.A. 6s net. Or in 2 parts, 3s 6d net each. [Senior]
- A Handbook of English for Junior and Intermediate Classes.** By D. B. NICOLSON, M.A. 2s net [Junior]
- A Primer of English Literature.** By W. T. YOUNG, M.A. 1s 6d net.
- HISTORY**
- Great Britain and Ireland.** A History for Lower Forms. By J. E. MORRIS, D.Lit. 6s 6d net. Or in 2 parts (divided at 1603). 3s 6d net each. 1485-1910, separately. 3s 6d net [Preliminary and Junior]
- A History of England for Schools.** By A. D. INNES, M.A. 6s net. Or in 3 parts, Part I, to 1509 A.D.; Part II, 1509-1714; Part III, 1689-1912. 2s 6d net each. 1399-1603, separately. 3s net [Preliminary, Junior and Senior]
- A Short History of the Expansion of the British Empire, 1500-1911.** By Prof. W. H. WOODWARD. With 10 maps. 5s net [Senior]
- An Outline History of the British Empire from 1500-1911.** By the same author. With 6 maps. 2s 6d net [Junior]
- Europe in the XIX Century (1815-1878).** By J. E. MORRIS, D.Lit. With 8 maps and 3 pedigrees. 3s net [Senior]
- A Short History of Rome for Schools.** By E. E. BRYANT, M.A. 4s 6d net [Junior]
- Greek History for Schools.** By C. D. EDMONDS, M.A. 6s 6d net [Senior]

LATIN

- Caesar. Gallic War, Book VI.** With notes and complete vocabulary by E. S. SHUCKBURGH, Litt.D. New illustrated edition. 2s 3d net [Junior]
- Caesar. Gallic War, Book VI.** With notes by A. G. PESKETT, M.A. 2s 3d net [Junior]
- Livy. Book V.** With introduction and notes by L. WHIBLEY, M.A. 3s 6d net [Senior]
- Tacitus. Agricola and Germania.** Edited by J. H. SLEEMAN, M.A. 4s net [Senior]
- Vergil. Aeneid, Book VI.** With introduction and notes by A. SIDGWICK, M.A. 2s 3d net. Also an edition with vocabulary, by the same editor. 2s 3d net [Junior and Senior]
- An Elementary Latin Grammar.** By ARTHUR SLOMAN, M.A. Second edition. 2s 6d net
- A First Year Latin Book.** By J. THOMPSON, M.A. 2s 6d net
- Prima Legenda. First Year Latin Lessons.** By Miss J. WHYTE, M.A. 2s net
- Silva Latina.** A Latin reading-book, chosen and arranged by J. D. DUFF. 2s 6d net. With vocabulary, 3s net
- Initium.** A First Latin Course on the Direct Method. By R. B. APPLETON, and W. H. S. JONES. 2s net. *Teacher's Companion*, 1s 6d net
- Latin Prose for Middle Forms.** By W. HORTON SPRAGUE, M.A., and ARTHUR SLOMAN, M.A. 3s net
- First Rules for Latin Prose.** With Hints and Examples. Compiled by T. C. WEATHERHEAD, M.A. 8d net
- Biennium Latinum.** A Translation and Composition Book for Beginners. By T. C. WEATHERHEAD. 2s 6d net
- Further Rules for Latin Prose.** By T. C. WEATHERHEAD. 2s net
- Exercises on Rules for Latin Prose.** By T. C. WEATHERHEAD. 2s 6d net

GREEK

- Euripides. Medea.** Edited by CLINTON E. S. HEADLAM, M.A. 3s 6d net [Junior and Senior]
- Thucydides. Book IV.** Edited by A. W. SPRATT, M.A. 6s 6d net [Senior]
- Homer. Iliad, Book XXIII.** Edited by G. M. EDWARDS, M.A. 3s net [Senior]
- Xenophon. Anabasis, Book I.** Edited by ALFRED PRETOR, M.A. 2s 6d net [Junior]
- Xenophon. Anabasis, Book I.** Edited, with complete vocabulary, by G. M. EDWARDS, M.A. 2s net [Junior]
- Xenophon. Memorabilia, Book II.** Edited by G. M. EDWARDS, M.A. 3s 6d net [Senior]

GEOGRAPHY

- The Cambridge Geographical Text-books.** General Editor: G. F. BOSWORTH, F.R.G.S.
Intermediate: By A. J. DICKS, B.A., B.Sc. 4s
Europe separately. 1s [Junior and Senior]
- The Surface of the Earth. Elementary Physical and Economic Geography.** By H. PICKLES, B.A. 2s 6d net [Preliminary and Junior]
- The British Isles.** By F. MORT, D.Sc. 4s 6d net [Junior and Senior]
- Physical Geography.** By P. LAKE, M.A. 9s net [Junior and Senior]

FETTER LANE, LONDON, E.C.4: C. F. CLAY, MANAGER

avoiding every alluring byway, he would probably do a real service to the cause of education, which he has very much at heart.

FRENCH.

"Manchester University Modern Language Texts."—(1) *Alfred de Vigny: Poèmes Choisis*. Edited by E. ALLISON PEERS. (3s. 6d.) (2) *Selected Letters of Madame de Sévigné*. By Prof. A. T. BAKER. (3s. 6d.) (Longmans.)

(1) We welcome the series of texts which the Manchester University Press is issuing, because they are the products of British scholarship, and are thoroughly British both in substance and manner. We have always held that the study of French literature in this country will never be anything but a sickly exotic till it is inspired and guided by British scholars. Not, of course, because British scholars are superior to French scholars; on the contrary, where French literature is concerned, they must obviously be in many ways inferior, but because in all teaching perfect sympathy with the mind of the pupil is of more importance than profound learning, and, just as English literature is interpreted to Frenchmen and Germans by their fellow-countrymen, and not by Englishmen, so French and German literature, so far as it needs interpretation, must be interpreted to Englishmen by Englishmen. And the authors of the two books before us both treat their subjects in British fashion. Mr. Peers dwells on de Vigny's stoicism rather than on his *sensibilité*; he has little to say about Mme de Dorval, and scarcely touches his author's literary technique. It is remarkable that "Eloa," the poem so much admired by Frenchmen, is not mentioned in his introduction, except in two quotations from French authors. Indeed, the only side of de Vigny's character fully dealt with is his pessimism. Of this and of the parallel sentiments in contemporary poets in England, Spain, and Italy, Mr. Peers has made a thorough study, and his sketch is valuable and informing. He has also traced the fortunes of de Vigny's poetry with learning and ability. His treatment is enthusiastic rather than critical; but, as these texts are intended for University students, this is a fault on the right side. We think it a mistake, however, that he has given no account of de Vigny's life; from the introduction we do not learn even that the poet was a soldier whose military experiences had considerable effect on his character. The notes give us the sources of the poems, and explain the more recondite allusions. There is an extensive bibliography.

(2) Prof. Baker has given us a useful selection of Mme de Sévigné's letters, but they occupy only a trifle more than half his book—108 pages as against 101 devoted to introduction and notes. University students might benefit perhaps by having more of the author's work and less of the editor's. The introduction might have been shorter. Do we need a sketch of French history from 1589 in order to understand correspondence written between 1667 and 1691? The really valuable portions of the essay are those which describe the social life of the period: for instance, the more serious side of Court society, the books read by ladies, the doctors, the Army, the Post Office, and the roads. The notes also contain a mass of valuable information on contemporary personages and contemporary manners. To this rather than to questions of language Prof. Baker has wisely devoted his space. Indeed, it is one of the best points of both books that linguistics occupy very little room. There is a short, but useful, bibliography.

A Matriculation French Free Composition. By F. A. HEDGCOCK and HENRI LUGUET. (2s. 6d. net. Bell.)

Nothing is so badly done in language examinations as the Free Composition, says the preface to this book. This comes as a blow to us; we had been led to believe that in free composition lay the solution of the problem of teaching French composition. Dr. Hedgcock and Mr. Luguët do not despair of Free Composition, and they have written their book in the hope of improving it. The volume contains twenty pieces of French adapted from French authors, or in some cases from French newspapers, or imitated from English writers. Each is followed by (1) notes in French on difficult points, (2) *questionnaire*, (3) English sentences for translation into French; (4) exercises into Free Composition. The principle is that the French matter should be worked up into every variety of form, and so be assimilated by constant use. The idea is good, but it seems a mistake to give under *Sujets à développer* pretty full analyses of the proposed essay. The student is left with nothing to do but form the words into sentences, and the method has a suggestion of cram about it. Two or three of the pieces strike us as rather trivial—for example, *Le Bon Marché* and *Un Raid de Zeppelins*—and we cannot agree with the authors that the passages are hard enough to afford practice in unseen translation. But the book, as a whole, is well worth examining by those who are dissatisfied with the Free Composition of their advanced pupils.

GEOGRAPHY.

The Kingsway Book of Geography Stories. By R. J. FINCH. (Evans.)

As Mr. Finch says, "all children love stories," but we rather fancy they resent any tampering with the story to make it teach the beginnings of some subject or other. Healthy children love learning, and like to know about the world and its peoples, and if the teachers will only talk about these in a simple and natural way they will have no difficulty in arousing and maintaining interest. But teachers who cannot talk simply and naturally, and want ready-made stories that will keep the attention of their classes and impart useful knowledge at the same time, cannot do better than make use of Mr. Finch's help.

The Kingsway Book of Famous Explorers. By R. J. FINCH. (Evans.)

The story of the great navigators and explorers who were pioneers in world-discovery is well told in this book, and geography teachers will find it useful in the preparation of their lessons. The ten simple sketch-maps will serve excellently as blackboard illustrations. Mr. Finch's large experience has enabled him to confine his attention to the essential facts in each case.

"The Human Geographies."—Book I: *Children Far Away*.

By ERNEST YOUNG. (1s. 6d.) Book II: *Homes Far Away*.

By ERNEST YOUNG. (1s. 6d.) Book III: *The British Isles*. By J. FAIRGRIEVE and E. YOUNG. (1s. 9d.) (Philip.)

These books can be thoroughly recommended to teachers desirous of emphasizing the relation of man to his environment. Books I and II provide an excellent approach to the formal geography lessons which will come later; they are particularly well illustrated. Book I consists chiefly of fairy tales of the Eskimo, Red Indian, Negro, and others. Mr. Young not only writes in a simple, pleasant style, but he knows exactly how to tell a fairy tale to little people.

Book II is a little more advanced; ten different types of people are chosen, and the conditions under which they live are described in an interesting manner. Book III provides a good introduction to a more detailed study of the British Isles. The human factor is kept in view throughout the book, and great care is taken to show why important towns have grown up at particular places. In Chapter XIII it should be pointed out that London originated as a place of defence, and not as a bridge town, and reference should also be made to the growth of Westminster as a separate city. In a second edition, the statement (page 19) that "the first Christian missionaries built Canterbury Cathedral" should be corrected.

HISTORY.

Characters from the Histories and Memoirs of the Seventeenth Century. Edited, with Introduction and Notes, by D. N. SMITH. (6s. net. Clarendon Press.)

Prof. Nichol Smith has produced, with much skill and learning, a book of remarkable charm. It contains seventy-six biographical sketches of notable men of the Stuart period, beginning with James I and ending with James II, written by their contemporaries. The excellence of the sketches justifies Prof. Smith's judgment that the seventeenth century was "the great age of the character in England." Of the "characters" here presented no less than thirty-five are from the pen of Clarendon. Bishop Burnet comes second with nine delineations. Other writers are Sir Philip Warwick, Thomas Fuller, and John Dryden. The volume is prefaced by a long introductory essay by the editor on "The Character." It is an important and most original contribution to the study of English literature.

Russia: from the Varangians to the Bolsheviks. By R. BEAZLEY, N. FORBES, and G. A. BIRKETT. (8s. 6d. net. Clarendon Press.)

This is a book of great interest and value at the present time. It is of the highest practical importance that the problems which Russia presents should be studied dispassionately and seriously, and these problems can be approached satisfactorily only by the avenue of history. The last few years have witnessed the publication of several Histories of Russia varying much in length and in quality. None, however, of these recent publications can compare in fullness or authority with this book, which is the joint product of three writers, all of whom are qualified by both linguistic and historical attainments to treat their subject with complete mastery. Prof. Raymond Beazley, of Birmingham, provides a sketch (82 pages) of early Russian history from the coming of the Varangians or Swedish Vikings in the ninth century to the death of the founder of the Tsardom, Ivan the Great, in 1505. Mr. Nevill Forbes, Reader in Russian at Oxford, carries on the narrative (260 pages) to the beginning of the nineteenth century. Mr. G. A. Birkett, Russian Lecturer in Sheffield University, completes the story (210 pages), bring-

(Continued on page 414.)

TEACHERS REGISTRATION COUNCIL.

REPRESENTATIVE OF THE TEACHING PROFESSION

(Constituted by Order in Council of 29th February, 1912.)

THE

OFFICIAL LIST

OF

REGISTERED TEACHERS

IS MAINTAINED BY THE COUNCIL.

**The Official List contains the names
of all qualified teachers who have
applied to become Registered, and
have been accepted by the Council.**

Unregistered Teachers should apply at once to

THE SECRETARY,

**Teachers Registration Council, 47 Bedford Square,
London, W.C.1.**

ing it down to the abdication of Nicholas II. The book also contains an able and illuminating introduction by Mr. Ernest Barker, who tries to interpret in the light of history and political science the meaning of the Russian Revolution. Numerous tables, a bibliography, and six maps, further increase the usefulness of what will for long be regarded as an indispensable textbook of Russian history.

"Empire Builders."—(1) *An Empire Builder of the Sixteenth Century*. By L. F. RUSHBROOK WILLIAMS. (7s. 6d. net. Longmans.) (2) *Thomas Coram, Empire Builder and Philanthropist*. By H. F. B. COMPSTON. (3s. 6d. net. S.P.C.K.)

(1) The Empire builder described by Mr. Rushbrook Williams is Babur, the founder of the Mughal, Mogul, or Mongol dominion in India. Mr. Williams has been able to draw upon sources unknown to both Erskine and Lane Poole, the earlier biographers of the great Mohammedan leader. He has produced within reasonable compass a scholarly and readable life which easily takes rank as the authoritative exposition of its theme.

(2) The seventeenth-century Empire builder of whom Mr. Compston treats is a man whose walk in life was much humbler, less sanguinary, and more beneficent than that of Babur. Thomas Coram, a native of Lyme Regis, was a pious and prosperous English seaman whose useful and honourable career was marked by a prominent share in the colonization of Georgia and by the establishment in London of the Foundling Hospital. Mr. Compston has written a fascinating sketch from original sources.

Reference History of England. By M. E. H. HUNTER and G. G. LEDSAM. (6s. net. Melrose.)

The two ladies who have compiled this full and laborious reference history anticipate the reviewer by assuring the public in their preface that the book will be "of great assistance" . . . to examinees, to private students, and to pupils in schools. All that remains for the reviewer to do is to say that their testimonial to themselves is well justified by the conscientious contents of their work. Beginning with William the Conqueror and ending with Bernard Shaw, it gives masses of well classified and briefly summarized information not easily procurable in anything like so accessible a form elsewhere. There are few students, and indeed few teachers of history, who could not double their stores of useful and interesting knowledge by a judicious use of this reference book in

conjunction with their ordinary textbooks. Numerous outline maps and tables enhance the value of the volume.

The Making of Modern Italy. By M. C. BAYLEY. (7s. 6d. net. Cassell.)

This book provides an interesting sketch of the history of Italy during the critically important period, 1814 to 1875. It does not profess to add anything to knowledge, and the list of the couple of dozen "chief authorities consulted" consists entirely of works either written in or translated into English. Hence its purpose is distinctly popular. This modest purpose, however, it fulfils distinctly well. It is adorned with seven portraits and reinforced by a map.

America and Britain. By A. C. McLAUGHLIN. (4s. 6d. net. Dent.)

In May 1918, Prof. McLaughlin, Head of the Department of History in the University of Chicago, came to England on the invitation of the Imperial Studies Committee of the University of London, in order to explain to academic audiences in this country the attitude of America towards the War. He delivered a series of lectures at the various Colleges of Great Britain which attracted large attendances and excited much interest. The present volume comprises five of the more important of these timely utterances. The first lecture—on America's entry into the War—served a purpose which has now ceased to be urgent. The remaining four lectures, however, deal with themes of permanent historical interest, viz. British and American relations from 1783 down to the present day, the Monroe Doctrine, and the Background of American Federation. The lectures make very good reading, and there can be no doubt that they will serve the useful end of increasing the mutual understanding which is re-uniting in spirit the long severed sections of the Anglo-Saxon race.

MATHEMATICS.

A Treatise on Gyrostatics and Rotational Motion. By A. GRAY. (42s. net. Macmillan.)

This comprehensive treatise on the dynamics of spin comes with peculiar appropriateness from the pen of the successor of Lord Kelvin in the Chair of Natural Philosophy at Glasgow. The famous work of Thomson and Tait played a leading part in revealing the importance, the beauty, and the complexity of the pheno-

(Continued on page 416.)

From MR. HERBERT RUSSELL'S LIST.

English Composition: A Systematic Course for School Use. By HARRY PINE, with an Introduction by F. H. HAYWARD, D.Lit., M.A., B.Sc.

Teacher's Edition. Crown 8vo, cloth. Price 2s. net.

Pupil's Edition. In Two Parts. Price 6d. net each.

The work is intended for class use, and aims at the direct teaching of composition on a definite plan by means of a series of original and progressive exercises. These are designed to correct the faults most frequently found in children's composition, both oral and written. It forms the basis for the teaching of children of all ages, and yet leaves plenty of scope for originality on the part of the teacher.

School Poetry (Part I) for the Junior Division. Crown 8vo, limp cloth, 64 pp. Price 6d. net.

School Poetry (Part II) for the Senior Division. Crown 8vo, limp cloth, 144 pp. Price 9d. net.

It is published in two Parts, each containing three Sections so graded as to meet the requirements of three consecutive classes or standards—Part I is designed to serve the Junior Department, and Part II the Senior Department of the School.

Book Ways: A Fascinating History of English Literature. By EDITH KIMPTON, M.A., A.K.C. New edition with a prefatory letter by the late THEODORE WATTS-DUNTON. 8vo, cloth, 296 pp. Price 3s. net.

A Comparative Geography of the Six Continents. By ELLIS W. HEATON, B.Sc., F.G.S.

Treated under two main divisions—(a) The Three Northern Continents; (b) The Three Southern Continents. Containing 119 Maps and Diagrams, all new and specially drawn for this work, and 10 full-page Photographic Plates. Crown 8vo, cloth, 319 pp. Price 2s. 6d. net.

Copies lent from our Office Library on application to

MR. HERBERT RUSSELL, 35 & 36 TEMPLE CHAMBERS, LONDON, E.C. 4.

Plant Study in School, Field, and Garden. A textbook on Rural Science and Gardening. By J. S. BRIDGES, B.Sc., F.C.S., Director of Education for Willesden, and A. J. DICKS, B.A., B.Sc., F.L.S., Head Master of Walthamstow County Secondary School. Crown 8vo, cloth, 432 pp. Price 4s. 6d. net.

Inorganic Chemistry, both Practical and Theoretical, with Chemical Calculations and Graded Questions. The best, latest, and cheapest textbook on the subject produced for the requirements of the University Locals. By S. W. BURNELL, LL.B., B.Sc., and A. J. DICKS, B.A., B.Sc. Crown 8vo, cloth, 376 pp. Price 4s. 6d. net.

The Junior Scientific Geographies.

By ELLIS W. HEATON, B.Sc., Principal, Tynemouth Municipal High School.

(1) **Junior Physical Geography**. 1s. 9d. net. (2) **Junior British Isles**. 1s. 6d. net. (3) **Junior British Empire**. 1s. 6d. net. (4) **Mediterranean Region**. 1s. 6d. net. (5) **Monsoon Region of Asia**. 1s. 3d. net. (6) **Atlantic Seaboard of North America**. 1s. 3d. net. **Regional Asia**. 1s. 4d. net. **Regional North America**. 1s. 4d. net. (For full particulars see catalogue.)

A Digest of British History. By S. H. B.

McGRADY, B.A. With an Introduction by OSCAR BROWNING. Cr. 8vo, cloth, 390 pp. Price 3s. 6d. net. Also published in three Parts:—Part I—B.C. to 1415. Part II—1415 to 1789. Part III—1789 to 1912. Price 1s. 4d. net each.

A History notebook on original lines, the great movements, trends, and developments being logically traced, and their influences clearly shown.

French Composition. By F. GUILLOTET, Agrégé de l'Université, Licencié ès Lettres, Professeur au Lycée Charlemagne, Paris; H. PROIX, Professeur à l'Ecole supérieure; and J. B. SAY, Professeur d'Ecole Normale. Crown 8vo, cloth, 280 pp. Price 2s. 6d. net.

READY NEXT MONTH.

Greece and Rome. Being Book II of "Ancient Civilisations Series" by EMILY M. BURKE, L.L.A., Author of Book I "The Shining East."

URGENT.

Principals desirous of having particulars and Views of their Schools included in the New Edition now preparing (22nd year) should communicate with the publishers AT ONCE.

PATON'S LIST of SCHOOLS and TUTORS.

An Aid to Parents In the Selection of Schools.

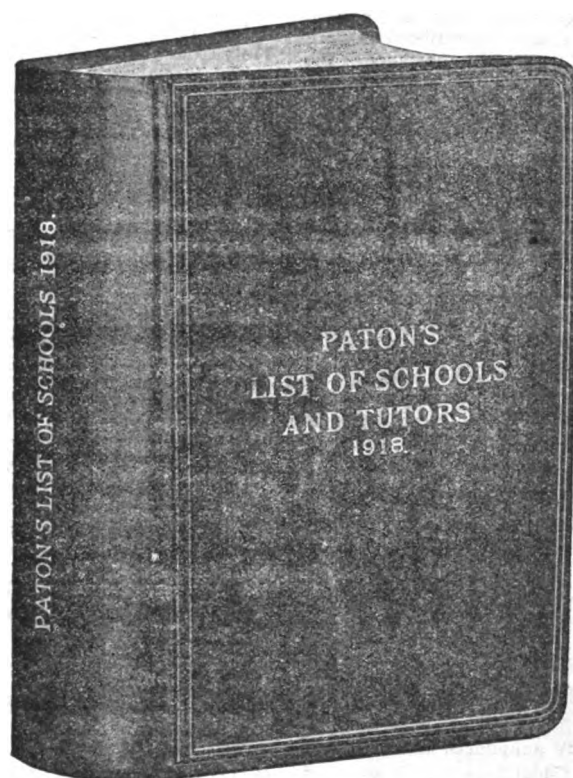
EVERY YEAR THOUSANDS OF PARENTS CONSULT THIS BOOK.

"When I first came here I spent over £50 in six months, advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of 'venturing' on another boarding house."

"Please insert my pages as usual. I believe I get more pupils from that than from any other source."

"I enclose a request to have my notice renewed. I would not for anything leave it off now."

"I find it most useful to my patients when seeking information about sending their boys and girls away, and have kept a copy in my waiting-room for some years."



"Two years ago you sent me a pupil named ———. Through her parents I have had **four** good pupils this year from four different places, and through two of these I have **five** more coming this term: that is ten pupils from paying **one** commission."

"I have much pleasure in renewing the advertisement in your excellent Guide, and should like to take the opportunity to express to you my best thanks for the invaluable help of your Agency."

"I enclose order form, duly signed. . . . I am more than grateful for the excellent service your Agency does my school."

Specimen Copy and full particulars sent free of charge to Head Masters and Head Mistresses.

J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON, E.C.4. Telephone: Central 5053.

mena dependent upon gyrostatic action, and to Kelvin and his successor we are indebted for many ingenious experiments illustrating the theory of these phenomena. The introductory chapter contains a non-mathematical account of gyrostatic action, together with descriptions of the principal practical applications of the same which had been made before the outbreak of the War. In the preface the promise is made that after the War a supplementary part will be published describing a variety of gyrostatic devices which are now used for naval and military purposes and in engineering. We have no doubt it will contain some interesting revelations of the part played by science in obtaining victory. The development of the theory of the subject is in the main due to Poincaré, Thomson and Tait, Greenhill, and Klein and Sommerfeld, and much space is naturally devoted to their work. At the same time the contributions which other mathematicians have made to the elucidation of particular problems are passed in review, and accounts are given of recent discussions relating to such matters as the free precession of the earth's axis and the Eötvös revolving balance. It is, of course, impossible to proceed far without introducing elliptic functions, and unfortunately the meaning of expressions containing such functions is not as readily perceived as when only algebraic or circular functions are involved. Numerical evaluation by the aid of tables would assist, but though abbreviations of Legendre's Tables of the first two integrals are readily obtainable (though the author does not appear to be aware of the fact), the evaluation of the third species has to be performed in every case *ab initio*. A chapter is therefore devoted to the explanation of methods of evaluating the integrals, and further examples, with diagrams illustrating the motions, will be given in the supplementary volume. The author has certainly rendered a great service to mathematicians and physicists in bringing together such a vast amount of material which has remained hitherto scattered amongst many books and periodicals. At the same time he has made original contributions both on the practical and theoretical sides of no small importance. We have only to add that the volume is produced in a way reflecting the greatest credit on printers and publishers.

RELIGIOUS KNOWLEDGE.

The New Testament for Schools. Arranged and edited by Canon MORLEY STEVENSON and C. W. BAILEY. (3s. 6d. net. Dent.) In this arrangement of the text of the New Testament the English

text of the passages is given in the language of the A. V. with some few and slight corrections. The extracts are furnished with appropriate headings (which give the reference): there are no notes: The collection is divided into two parts: Part I deals with the life of Christ; Part II with the History of the Early Church. In the latter the text of the Acts furnishes the basis of the narrative; at appropriate points extracts from the Pauline and other letters are introduced. The whole concludes with a brief extract from the Apocalypse (Rev. vii, 9-17). We welcome such attempts as this which may ultimately lead to the production of a real "Children's Bible," i.e. a Bible specially edited for school use. The right principles are here embodied. If such an edition is ever to be realized, it can only come ultimately, perhaps, from some authoritative Committee, which ought to include representatives of religion and education. We may add that children who work through the edition of Canon Stevenson and Mr. Bailey will gain quite an adequate idea of the New Testament as a whole.

"The Modern Churchman's Library." — *The Evolution of the Christian Ministry.* By J. R. COHU. (Cloth, 3s. 6d. net; paper covers, 2s. net. Murray.)

Mr. Cohu's volume is useful and interesting. Its aim is to give "an accurate account, free from ecclesiastical bias, of the evolution of the Christian Ministry from the Apostolic age to the present day." Perhaps this is a somewhat ambitious programme, which could hardly be fully achieved in a small volume of 124 pages. Nevertheless the book is thoroughly competent, and avoids both undue compression and superficiality. The author is thoroughly at home in the literature of the subject, and his pages are never dull. The following paragraph will illustrate his view of the growth of the bishop as distinct from "elders" and "deacons" in Apostolic times:—"Thus (1) as presiding at the council-meetings of elders, (2) as almoner-in-chief, (3) especially as officiating at the Holy Communion—the president-presbyter, though only one of the elders, was already chief among his peers; while the deacons were far more closely associated with him than with the other elders, both in the care of the poor and in Holy Communion. Here we have the first stage on the road to the later monarchical bishop surrounded by his council of presbyters; also the first stage in the close association existing later on between bishops and deacons. In

(Continued on page 418.)

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 21 Old Bond Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 1's at 3s. 6d. 2's to 7's at 3s. 11d.

PLIMSOLLS. Grey canvas, rubber goshed, best make, same sizes and prices as above.

DANCING SANDALS. Black glaze kid, hand sewn, sizes 2's to 7's at 12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,

SPORTS AND GAMES SHOE MAKERS,

272 FULHAM ROAD, LONDON, S.W.10.

COPIES WANTED.

"THE JOURNAL OF EDUCATION AND SCHOOL WORLD"

For JANUARY, MARCH, and MAY, 1919,

ARE COMPLETELY OUT OF PRINT.

The Publisher would be glad to buy back a few copies of these issues.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4.

A Book for would-be Authors.
THE LURE You will start to
 write the day you
 read it.
Just Ready.
7/- (by post, 7/6) **OF THE PEN**

By **FLORA KLICKMANN,**

Editor of "The Girls' Own and Woman's Magazine"; Author of "The Flower-Patch among the Hills," "Between the Larch-Woods and the Weir," etc.

- (1) MSS. that Fail. Why they Fail. (3) The Help that Books can Give.
 (2) On Training Yourself for (4) Points a Writer ought to Note.
 Literary Work. (5) Author, Publisher, and Public.

It is unique in its own line, breezily written, and crammed full of interest and information for those who read, as well as for those who want to write. Coming from so experienced an Editor, it cannot fail to be authoritative.
LONDON: 4 BOUVERIE STREET, E.C. 4; and at all Bookshops.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Pädagogist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE),
13 PATERNOSTER ROW, LONDON, E.C. 4.

SCIENCE OF EVERY-DAY LIFE.

By **E. C. ABBOTT, M.A.,**

Head Mistress, Canton Municipal Secondary School, Cardiff.
PHYSICS.

Mechanics, Heat, Light, Sound, Electricity. 3/6 net.

CHEMISTRY.

Including Metals, Food Materials, Manufactures. 3/6 ..

SCIENCE OF HEALTH AND HOME-MAKING. 3/6 ..

SCIENTIFIC GEOGRAPHY. 3/6 ..

These books are in entire agreement with the Recommendations of the Government Committee on the Teaching of Science.

*. SEND ORDERS TO MISS ABBOTT AS ABOVE.

Orders for monthly parts of

THE SCHOOL WORLD

for June, 1918, and earlier dates (i.e. before the amalgamation with "The Journal of Education")

should be placed with

Messrs. Macmillan & Co., Ltd.,
 St. Martin's St., London, W.C. 2.

SAVE 50% of your TIME

by ordering your **NEW BOOKS** through Mr. John Davis, who can always secure good second-hand copies of manuals out of stock at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a further order for you as I am well pleased with your past efforts to secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C. 4

Recently Published. Price 5s.

A SOCIAL HISTORY OF ENGLAND

BY

FREDERICK BRADSHAW, M.A. Oxon., D.Sc. Lond.

Lecturer in Economic History at Armstrong College,
 Newcastle-upon-Tyne.

The primary object of this volume is to supply within reasonable compass a textbook suitable for use in Colleges and Upper Forms of schools, and dealing with such matters of social and economic history as are not to be found in the ordinary history textbooks, which as a rule devote themselves solely to political and constitutional topics.

"The book illustrates the indissoluble connexion between social progress and education."—TIMES EDUCATIONAL SUPPLEMENT.

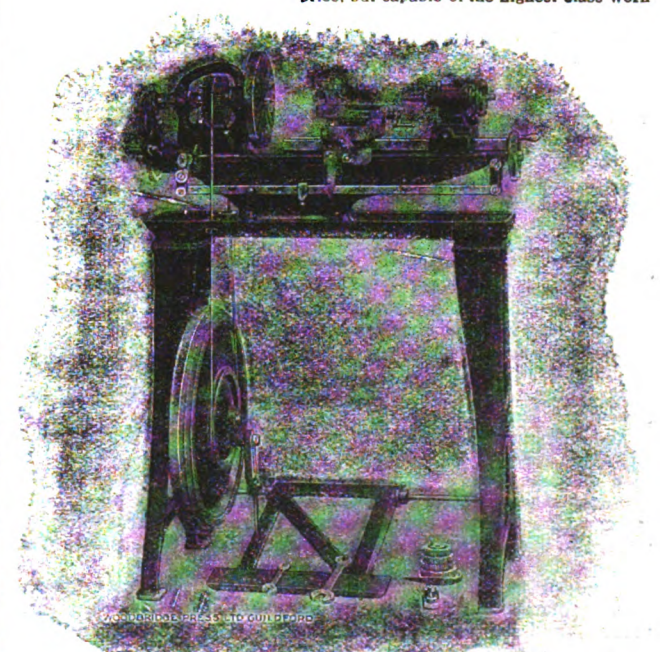
"A clear and concise textbook which offers a compendium of the development of our social institutions from the Stone Age to the present day, exceedingly well expressed and well set out—it is indeed the best book of reference on this difficult topic that we have seen."—GUARDIAN.

Complete Educational Catalogue, post free, on application.

University Tutorial Press, Ltd.,
 High Street, New Oxford Street, London, W.C.2.

**DRUMMOND
 LATHES**

Are right at the Front.
 The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable. DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable. The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work



As supplied by the British Admiralty.

Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD

later days the monarchical bishop was so much more closely associated with deacons than with presbyters that it is the chief representative of the deacons, the archdeacon, who is the bishop's 'eye' and lieutenant, and usually his successor" (page 24). Mr. Cohu values the episcopal form of church government as safeguarding continuity, and as possessing other merits, but does not regard it as absolutely essential. He shows that till 1662 the Anglican Church did not insist on episcopal reordination in the case of ministers who had been ordained abroad in the reformed (non-episcopal) churches, allowing such ministers to hold benefices in England with cure of souls. He denounces "sacerdotalism" as a retrograde development, alien to the spirit of the New Testament.

Religio Grammatici: The Religion of a "Man of Letters."

By Prof. GILBERT MURRAY. (1s. net. Allen & Unwin.)

This is the Presidential Address delivered to the Classical Association in January of last year, which is now published in pamphlet form for the benefit of those who are not members of the Association. Although, perhaps, somewhat more ephemeral than the majority of Prof. Murray's utterances, it is no mean expression of the eternal worth of literary values, for which reason it should especially be read at a time like this, when such things stand in some danger of being temporarily forgotten.

The Epistle to the Philippians. With Introduction and Notes.

By MAURICE JONES. (7s. 6d. net. Methuen.)

If learning and dullness often seem to be inseparable, the work of Dr. Maurice Jones is a conspicuous exception to the rule. His pages teem with learning, but they are never dull. He writes with a verve and enthusiasm which will carry away the most lethargic reader. In an introduction which occupies nearly a hundred pages he discusses vividly, and in the light of the most recent research, the great themes suggested by the Epistle. This Introduction is an excellent piece of work. Every point is fully discussed. Not only are such topics dealt with as the place where the Epistle was written, its authenticity and integrity, occasion and purpose, historical value and characteristics, but there are sections devoted to the history and development of Philippi, the historic significance of which is well brought out, and a remarkably fresh treatment is given to the idea of the Church in the Epistle, and the origin of the Christian Ministry. Here Dr. Jones owes much to Hamilton's *People of God*. In the doctrinal section the Kenosis Theory is thoroughly well treated. In the commentary proper, which follows, the notes are full and remarkably readable. The reader is also helped by a good paraphrase. In his Preface the author says: "This commentary is throughout the product of the War period, and every line of it was written under the shadow of the deplorable calamity that has overcome this world of ours. . . . I can imagine no more effective mental or spiritual tonic, and no more powerful incitement to patience, courage, and joy, however gloomy and depressing the outlook may be, than the study of this letter." We are confident that readers of this commentary will feel some of the author's enthusiasm as they study his fresh and illuminating exposition.

SCIENCE.

Alternating Current Electrical Engineering. By PHILIP KEMP. (17s. net. Macmillan.)

The author has covered the main ground of modern alternating current practice, and intends the work to be an aid to candidates for the Grade II examination in this subject for the City and Guilds and the University examinations for B.Sc. in Electrical Engineering, as well as to the electrical engineer in general. An advanced knowledge of mathematics is not required in the reader, as the vector work is treated fully, and a working knowledge of trigonometry will suffice. Certain problems are treated by the calculus, but these can be omitted without serious loss. In the earlier chapters alternating quantities, including E.M.F.'s, currents, and magnetic fluxes, are treated in the usual manner. Then follow Inductance, Reactance, Impedance, Power and Power Factors, with their measurement, in an interesting and comprehensive manner. In the chapter on Wave Form the author gives several methods of harmonic analysis, including one of his own, which is accompanied by a schedule for enabling the amplitudes and phases of the first seventeen harmonics of a wave to be obtained with a minimum of labour. Transformers and alternators are dealt with comprehensively; in each case a chapter on design follows the account of the main principles. In the remaining chapters synchronous motors with power factor improvement, rotary converters, rectifiers and valves, rotating fields, induction motors, motor converters, series motors, and repulsion motors are dealt with. The subject is treated in a sound manner and the book is illustrated amply and supplied with many worked examples. The book is decidedly an acquisition to the literature available for the student of electrical engineering.

GALT'S for School Prizes.

Leading House in the North for
books in Tree Calf, Full Calf,
Sheepskin, Half Calf, Paste Grain, &c.

Quality and Finish Guaranteed.

Inspection Invited.

JAMES GALT & CO., Ltd.,
27 JOHN DALTON STREET,
MANCHESTER.

NOTICE OF INCREASED PRICE.

The Journal of Education and School World

BOUND VOLUME FOR 1918.

THE PRICE OF THIS VOLUME IS **12/-.**

SEPARATE BINDING CASES, 4/-.

A few copies of previous volumes can still be obtained, price 10/6 each.

Separate Binding Cases, 2/6.

A list of those in print will be furnished on application to the Publisher.

London: MR. WILLIAM RICE, 8 Ludgate Broadway, E.C. 4.

Blackboards cannot become Shiny

in use, if covered with

Proctor's "Defiance" (Trade Mark)
Slate Composition.

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

OXFORD UNIVERSITY PRESS

Short Essays for Schools.

For Fourth and Fifth Forms, with Specimens of Analysis and a Subject Index. Selected by S. E. WINBOLT. 3s. net.

English Prose from Bacon to Hardy.

Selected and edited by E. K. BROADUS and R. K. GORDON. 6s. net.

Fifteen Plays from Shakespeare.

With a Glossary abridged from "The Oxford Shakespeare" Glossary of C. T. ONIONS. 4s. net.

Selected English Short Stories.

Nineteenth Century, from Sir Walter Scott to George Gissing and Hubert Crackanthorpe, selected by HUGH WALKER and H. S. MILFORD, with an Introduction by HUGH WALKER. 1s. 9d. net; thin paper, 2s. net. (World's Classics.)

Palgrave's Golden Treasury.

With 100 Additional Poems from Landor to Henley. 1s. 9d. net; thin paper, 2s. net. (World's Classics.) Edited with Introduction and Notes by C. B. WHEELER. 3s. net. Notes separately, paper cover, 1s. 9d. net.

English Prose.

Narrative, Descriptive, Dramatic (Malory to Stevenson), compiled by H. A. TREBLE. 1s. 9d. net; thin paper, 2s. net. (World's Classics.)

Poems of Action.

Selected by V. H. COLLINS. 2s. With notes, 2s. 6d.

Stories in Verse.

Selected by V. H. COLLINS. 1s. 9d.

The Teaching of History.

By C. H. JARVIS. 4s. 6d. net.

OXFORD FRENCH PLAIN TEXTS.

Laurette, ou Le Cachet Rouge.

Par ALFRED DE VIGNY. 8d. net.

La Chèvre de M. Seguin. Les Vieux. Le Secret de Maître Cornille. La Mule du Pape.

Par ALPHONSE DAUDET. 8d. net.

Mateo Falcone. Le Coup de Pistolet.

Par PROSPER MÉRIMÉE. 8d. net.

Le Lac de Gers. Le Col d'Anterne.

Par RODOLPHE TÖPFFER. 8d. net.

Le Chien de Brisquet. La Combe de l'Homme Mort. Paul, ou La Ressemblance.

Par CH. NODIER. 8d. net.

Le Voyage de Monsieur Perrichon.

Par EUGÈNE LABICHE. 1s. net.

La Grammaire. Comédie-Vaudeville.

Par EUGÈNE LABICHE. 8d. net.

Gringoire.

Par THÉODORE DE BANVILLE. 8d. net.

Pourquoi Hunebourg ne fut pas rendu.

La Comète. Le Requiem de Corbeau.

Par ERCKMANN-CHATRIAN. 8d. net.

EXTRAITS DE L'HISTOIRE ANECDOTIQUE DE LA GUERRE.

Par FRANC NOHAIN et PAUL DELAY. Selected and edited by G. H. CLARKE.

L'Armée Française sur le Front, 1914-1915.

8d. net.

Paris Menacé. Paris Sauvé.

8d. net.

Map Work.

By V. SEYMOUR BRYANT and T. H. HUGHES. With 90 Illustrations in Colour and Black and White. Med. 8vo. 5s. net.

Le Français des Français de France.

Conversations en cours d'année. By JEHANNE DE LA VILLÈSBRUNNE. Crown 8vo. 2s. 6d.

The Theory and Practice of Modern Language Teaching.

With special reference to French and German. By E. C. KITTS. Crown 8vo. 4s. net.

La Patrie.

Echos de l'histoire de France pour les Commencants. By JULIA TITTERTON. Crown 8vo. With twelve Illustrations, Historical Tables, and Vocabulary. 2s.

La Violette par les Couleurs, et Autres Saynètes.

By Lady FRAZER. 1s. 9d.

Elementary Spanish Grammar.

By B. SANIN CANO. Crown 8vo. Limp cloth. 4s. 6d. net.

OXFORD JUNIOR LATIN SERIES.

With Introductions, Notes, Indexes of Proper Names, and Vocabularies. 1s. each.

Virgil, Aeneid IV.

Edited by C. E. FREEMAN.

Virgil, Aeneid V.

Edited by C. E. FREEMAN. 1s. 9d.

Virgil, Aeneid VI.

Edited by C. E. FREEMAN.

Selections from Ovid.

Edited by C. E. FREEMAN.

Livy, Book I.

Edited by C. E. FREEMAN. With a Map.

Horace, Select Odes.

Edited by J. JACKSON.

An Elementary Latin Grammar.

By E. E. BRYANT and E. D. C. LAKE. Designed to include only what is essential to an elementary knowledge of the language. 116 pp. 2s. net.

An Elementary Greek Grammar.

By E. E. BRYANT and E. D. C. LAKE. Designed to include only what is essential to an elementary knowledge of the language. 124 pp. 2s. 6d. net.

Greek Reader for Schools.

Adapted from Aesop, Theophrastus, Lucian, Herodotus, Thucydides, Xenophon, Plato. Edited by C. E. FREEMAN and W. D. LOWE. 3s. net.

A Latin Reader, for Matriculation and other Students.

With Notes and a Vocabulary by A. PETRIE. Crown 8vo. With Three Illustrations. 3s. 6d. Also with "An Introduction to Roman History, Literature, and Antiquities." 5s.

Elementary Book-keeping.

By E. E. SPICER and E. G. PEGLER. Second edition, with an Appendix containing a Series of Graduated Problems with Key Answers. 3s.

Numerical Trigonometry.

By N. G. CHIGNELL. With or without Answers. 3s.

Co-ordinate Geometry, an Elementary Course.

By P. COLEMAN. 3s. 6d.

The Study of Plants.

An Introduction to Botany and Plant Ecology. By T. W. WOODHEAD. With over 200 Illustrations. 7s. 6d.

London: HUMPHREY MILFORD,
OXFORD UNIVERSITY PRESS, AMEN CORNER, E.C.4.

A SELECTION FROM GINN AND COMPANY'S MODERN LANGUAGE LIST

SPANISH.

PRIMERAS LECCIONES DE ESPAÑOL. By MARCIAL DORADO. 307 pages. Illustrated. 4s. net.

An attractive text for use by the pupil who is beginning the study of Spanish. The lessons are brief, and each contains a vocabulary, reading matter, conversation and exercises involving only the simplest words in common use. The reading matter consists of brief stories, simple descriptions of Spain, dialogues, &c. Folk songs, with their musical accompaniments, form an integral part of the text. Grammatical rules and explanations are given in English, and the book contains much material for oral drill and conversational practice. There are five full-page illustrations and many smaller sketches of Spanish life and customs.

A FIRST READER IN SPANISH. By R. SCHEVILL. 181 pages. 3s. net.

ELEMENTARY SPANISH READER. Edited by E. S. HARRISON. 79 pages. 2s. 6d. net.

INTERMEDIATE SPANISH READER. Edited by E. S. HARRISON. 234 pages. 3s. 6d. net.

SPANISH COMMERCIAL READER. Edited by E. S. HARRISON. 238 pages. 4s. net.

ESPAÑA PINTORESCA. By MARCIAL DORADO. 332 pages. 4s. net.

A reading book for the student who has done some preliminary work in Spanish. The selections of which the book consists have been chosen because they are illustrative of what is most distinctive in Spanish civilization. They are simple but of real literary quality, such authors as Santa Teresa, Lopez de la Vega, Selgas Pio Baroja, Trueba Marquina having been drawn upon. Games and songs are included in the text. Other valuable features are the questionnaires for oral practice, exercises for translation, in the form of a diary of a girl travelling in Spain, based on the text, and the inclusion in the vocabulary of all irregular verb forms occurring in the text.

TROZOS DE HISTORIA. By F. E. SPENCER. 210 pages. 3s. 6d. net.

MARIA. By G. ISAACS. Edited by R. H. KENISTON. 209 pages. 3s. 6d. net.

EL PAJARO VERDE. By J. VALERA. Edited by G. G. BROWNELL. 69 pages. 2s. net.

DOÑA PERFECTA. By P. B. GALDÓS. Edited by A. R. MARSH. 271 pages. 4s. 6d. net.

ITALIAN.

AN ITALIAN GRAMMAR. By R. S. PHELPS. 328 pages. 5s. 6d. net.

A book which serves the double purpose of a lesson book for beginners and a grammar for reference purposes in more advanced work. The first twenty-seven lessons equip the student to read easy Italian narrative. The early part of the book is particularly easy, the difficult subjects being broken up and studied in sections, but before the book is finished all the essentials have been treated thoroughly.

DUE COMMEDIE MODERNE:

O BERE O AFFOGARE. By LEO DI CASTELNOVO.

LUMIE DI SICILIA. By LUIGI PIRANDELLO. Edited with Notes and Vocabulary by EMILIO GOGGIO. 130 pages. 2s. 3d. net.

These two comedies of present-day Italy contain many of the simple colloquial expressions necessary for any real acquaintance with the language. The editorial matter consist of brief biographical sketches of the two authors, notes, and a vocabulary.

FRENCH.

LE FRANÇAIS POUR TOUS par la méthode directe. By NOELIA DUBRULE. Illustrated. 281 pages. 4s. net. [In the press.]

A first year book. It is composed of 33 picture units (La Salle de Classe, La Bibliothèque, La Maison, La Cour, Le Petit Salon, &c.), each of which, considered as one week's work, is divided into four parts, each representing one day's work. As an aid in the acquirement of a vocabulary, there are many interesting *jeux de mémoire* or *jeux d'esprit*; *chansons* with their accompaniments form an integral part of the book, while other interesting features are the thorough and frequent pronunciation drills and the adoption of the method, used in the schools of France, of beginning the study of the verb from the present rather than from the infinitive. A model lesson is included in the preliminary suggestions to teachers.

NOUVEAU COURS FRANÇAIS. By A. C. FONTAINE. 272 pages. 4s. 6d. net.

CONTES ET SAYNETES. Edited with Notes and Vocabulary by T. F. COLIN. 179 pages. 2s. net.

DIX CONTES MODERNES DES MEILLEURS AUTEURS DU JOUR. Edited with Notes, &c., by H. A. POTTER. 1s. 9d. net.

CONTEMPORARY FRENCH WRITERS. Edited with Notes by R. MELLÉ. 212 pages. 2s. 9d. net.

SAINT-SIMON: PAGES CHOISIES DES MÉMOIRES DU DUC DE SAINT-SIMON. Edited by A. N. VAN DAELL (with Notes in French). 238 pages. 3s. 3d. net.

GERMAN.

JUNG DEUTSCHLAND. By A. T. GRONOW. Illustrated. 264 pages. 4s. 6d. net.

A first year course in German which presents the fundamental principles of grammar in and through the language itself. Oral work is emphasized, and the subjects for discussion, reading and exercises have been chosen from the German home and the activities round it. The book contains numerous illustrations and has a very attractive appearance.

GESCHICHTE UND SAGE. By A. T. GRONOW. Illustrated. 330 pages. 4s. 6d. net.

A companion volume to the above intended for second year students. The subject matter is carefully graded, and consists of selections illustrating German life, scenery, history, literature and drama. In this volume the grammatical rules are given in English, but in all other respects the book is uniform with "Jung Deutschland."

FÜR KLEINE LEUTE. By A. T. GRONOW. 194 pages. 3s. net.

SCHRITT FÜR SCHRITT. By H. M. OEHLMANN. 151 pages. 3s. net.

ALTES UND NEUES. Edited, with Vocabulary, by K. SEELIGMANN. 125 pages. 1s. 9d. net.

LESSING: MINNA VON BARNHELM. Edited with Introduction, Notes and Vocabulary by R. A. VON MINCKWITZ and A. C. WILDER. 218 pages. 2s. 6d. net.

GOETHE: IPHIGENIE AUF TAURIS. Edited with Introduction, Notes, &c., by P. S. ALLEN. 218 pages. 3s. net.

Complete list of modern language texts on application. Books sent on approval to teachers.

GINN AND COMPANY, 9 St. Martin's Street, Leicester Square, London, W.C.2

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

ALL RIGHTS RESERVED.

No. 600.
Vol. 51. WITH SUPPLEMENT.

LONDON, JULY 1, 1919.

PRICE 8D.; BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

August 1919 issue ready on July 31.
*Advertisement scale is on page 453. The
latest time for prepaid Advertisements is*
JULY 22.

SCHOLARSHIP NOTICES.
See pp. 427.

PHYSICAL TRAINING. See pp. 423, 428, 431.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and pp. 441, 453, 487.
UNIVERSITY TUTORIAL COLLEGE,
See p. 423.
UNIVERSITY TUTORIAL PRESS, Ltd.,
See pp. 494, 485, 500.

**THE TEACHERS' GUILD AND CLUB OF
GREAT BRITAIN AND IRELAND.**

*President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.*

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
New Premises: 7, 9 & 10 Brunswick Sq., London,
W.C.1.

For Holiday Course Advertisement, see page 431.

Joint Agency for Women Teachers
OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.
(Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced.

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.

When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W. 1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

TEACHERS' DIPLOMAS.

The COLLEGE OF PRECEPTORS holds Exam-
inations of Teachers for the Diplomas of Associate,
Licentiate, and Fellow of the College in London,
Belfast, Birmingham, Bristol, Cardiff, Cork, Dublin,
Glasgow, Leeds, Liverpool, Manchester, Newcastle-
on-Tyne, and Plymouth. The Theory and Prac-
tice of Education is an obligatory subject for
each grade. For Regulations apply to the Secre-
tary, College of Preceptors, Bloomsbury Square,
London, W.C.1.

PRELIMINARY EXAMINATIONS

FOR

MEDICAL, DENTAL,

AND

PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Ealing, Exeter, Margate,
Plymouth, Portsmouth, Sheffield, Southampton,
Southport, Sunderland, and York. For Regulations,
apply to the SECRETARY, College of Preceptors,
Bloomsbury Square, London, W.C.1.

For announcements of

UNIVERSITY CORRESPONDENCE COLLEGE

See pages 441, 453, and 487.

University Examination Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6315.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892–1918 - 1893

Candidates in various Groups: 205 First
Class; 308 Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905–18 43
(Only two failures.)

Oxford Higher Local, 1903–18 - 178
Candidates in various Sections.

M.D. (Lond.), 1901–18 - 232
(Including 6 Gold Medallists
during 1913–1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL

Newly typed and expanded courses for
1918–19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

FROEBEL SOCIETY AND JUNIOR SCHOOLS ASSOCIATION. A SUMMER SCHOOL

will be held from July 31—August 16 at Westfield College, University of London. One Course will consist of lectures, accounts of experiments, and discussions bearing on "Reality and Life in Education." Other Courses will be on Handwork—for guidance in preparation for the new Diploma of Handwork of the National Froebel Union—Gardening, Eurhythmics, Music (including Sight Singing, Ear Training, &c.).

This year a few grants towards expenses will be given by the Council of the Froebel Society. Applications should be made at once.
Further particulars may be obtained from Miss James, 10 Park Mansions, Battersea Park, S.W. 11.

Other Summer School announcements will be found on pages 423, 430, 431, and 447.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBART,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—36 to 48 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—
Miss C. P. TREMAIN, B.A.

UNIVERSITY of ST. ANDREWS.

UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 64 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL.

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

BRIGHTON.

GRAFTON HOUSE, Grafton Street, Marine Parade (door sea).—Homely board-residence. 10 bedrooms. Bath (h. and c.). Electric light throughout. Good table. Moderate.

DEAN FOREST.

SEVERN WYE VALLEYS; beautiful Holiday Home (600 feet up); spacious house, grounds; Bath, Billiards, Tennis, Motors, magnificent Scenery. Boarders 42/- to 50/-. Photos. Prospectus.—Littledean House, Littledean, Glos.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Comfortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.—The Misses WATSON.

KESWICK.

ENGLISH LAKES.—Guests received in country private house. Grounds. Near church, post, telegraph and telephone office. Climbing, boating, fishing. Lovely scenery. Moderate terms.—Miss SCOTT, Borrowdale Gates, Keswick, Cumberland.

LEIGH-ON-SEA.

THREE Paying Guests received. Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—Mrs. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB, 9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

30. 31. &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegrams: "Thackeray, London." Phone: Gerrard 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentwomen. Room, breakfast, dinner, from 20s. 6d. to 29s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

MENDIPS.

TO LET, without attendance, June to September, very simply furnished rooms in pleasantly situated house on Mendips. Three bedrooms (five camp beds), two sitting, kitchen. Address—No. 10.821.*

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home: good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

SCHOOL HOUSES TO BE LET FURNISHED.

CLIFTON, GLOS.—SCHOOL House TO LET FURNISHED. AUGUST. Shady garden. Tennis Court. Near Downs. Six guineas. Photo. Address—No. 10.839.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

FROEBEL SOCIETY and JUNIOR SCHOOLS ASSOCIATION.

SCHOLASTIC AGENCY for JUNIOR FORM AND KINDERCARTEN MISTRESSES, AND LECTURERS IN TRAINING COLLEGES.

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 616.

THE BERGMAN ÖSTERBERG PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.

Trustees:

Sir GEORGE NEWMAN, M.D. (Chairman).
The Marchioness of SALISBURY.
Major the Hon. WALDORF ASTOR, M.P.
The Rt. Hon. CHRISTOPHER ADDISON, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE.

Principal:

Miss H. WALTON (Oxford Honour School Eng. Language and Literature).

Vice-Principal:

Miss A. WIKNER (Royal Cent. Inst. of Gymnastics, Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course extends over two years. It includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 23 acres, in a beautiful and healthy locality close to Dartford Heath.

The demand for mistresses of physical training holding the Diploma of this College is at present far in excess of the supply.

The course begins in **October**. Further particulars may be obtained on application to the **SECRETARY**.

BERGMAN ÖSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

Ling's Swedish System.

Aim of the Union: To advance the cause of Physical Education on scientific lines.

In placing members of this Union as Teachers in Schools, careful and discriminating choice is exercised, and the exact requirements of each School specially considered.—**PHYSICAL TRAINING COLLEGE, KINGSFIELD, DARTFORD HEATH, KENT.**

INTERNATIONAL GUILD.

6 RUE DE LA SORBONNE, PARIS.

CLASSES in the French Language, Literature, History, and Phonetics.

Students are prepared for the Certificat d'Etudes Françaises of the Sorbonne, and the Diplôme d'Etudes Françaises of the Guild.

For further information apply to the **SECRETARY**.

CHANNING HOUSE HIGH SCHOOL AND BOARDING SCHOOL FOR GIRLS,

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours, London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the **HEAD MISTRESS**.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of all grades should apply to—**THE EDUCATION SECRETARY, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.1.**

University Tutorial College.

LONDON.

(Incorporated with University Correspondence College.)



SUMMER VACATION CLASSES.

SEPTEMBER MATRICULATION.

A Recapitulation Class for the September Matriculation commences Monday, August 25th, and extends to date of Examination.

Annually for the last twenty-five years about 100 Students of the University Tutorial College have passed London Matriculation.

LABORATORY WORK IN PRACTICAL SCIENCE.

Practical Classes in Chemistry, Physics, and Botany commence Tuesday, August 5th, and extend over a period of four weeks. Definite Courses of Laboratory Work are arranged for students taking the B.Sc. and B.A. Examinations next October.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN, W.C.1.



THE ASSOCIATED BOARD

OF THE

ROYAL ACADEMY OF MUSIC

AND THE

ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

LOCAL CENTRE EXAMINATIONS (Syllabus A). Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the November-December Examinations close Wednesday, October 15th, 1919.

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a year, viz., October-November, March-April, and June-July. Entries for the October-November Examinations close Wednesday, October 8th, 1919.

The Board offers annually **SIX EXHIBITIONS**, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.

Syllabuses A and B, Entry Forms, and any further information will be sent post free on application to—

JAMES MUIR, Secretary,
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA, LONDON."

SPECIAL CORRESPONDENCE COURSES

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. Exams., 1910-19 } 189 Correspondence Students successful.

Mr. E. H. BIBBY, Mus. Bae., L.R.A.M., A.R. M.,
c/o Forsyth Bros., Deanegate, Manchester.

CENTRAL SCHOOL OF SPEECH TRAINING AND DRAMATIC ART.

President: **SIR FRANK BENSON**,
Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.**,
Royal Albert Hall, Kensington Gore S.W.7.

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

SUMMER TERM BEGAN MAY 3rd.

SUMMER SCHOOL OF SPEECH TRAINING, AUGUST 1-16, STRATFORD - ON - AVON SUMMER FESTIVAL.

ASSOCIATION OF TEACHERS OF SPEECH TRAINING.

Head Quarters: **ROYAL ALBERT HALL,
KENSINGTON GORE.**

President:

Miss **ELSIE FOGERTY, L.R.A.M.**,
29 Queensberry Place, South Kensington, S.W.7.

Secretary:

Miss **WELLESLEY-READE**, 44 Fairholme Road, West Kensington, W.14.

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1d. each. Postage extra. Apply — Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 421-426; [Halls of Residence] 422; [Physical Training] 423, 428, 431; [Summer Schools] 422, 423, 430, 431, 447; [Scholarships] 427; 429, 432, 447, 472, 498.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W. 2.

TRAINING COLLEGE

(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANE HUBBARD, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes; Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union. Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools. Diploma Students attend University Lectures. Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON),

CAMPDEN HILL ROAD, W. 8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

ROYAL (DICK) VETERINARY COLLEGE, EDINBURGH.

Principal:

O. CHARNOCK BRADLEY, M.D., D.Sc., M.R.C.V.S. 97th Session opens 30th September.

COURSES OF INSTRUCTION

qualify for M.R.C.V.S. and B.Sc. Edin. COLLEGE CALENDAR, with full particulars of Examinations, Bursaries, &c., may be obtained from—

F. P. MILLIGAN, W.S., Secretary.

BRUNNAKER TRAINING CENTRE FOR NURSERY SCHOOL TEACHERS.

TRAINING in the Principles and Methods of Nursery School work. Experience in a Babies' Hospital. Attendance at a Welfare Centre. Practical Work in a Nursery School and Kindergarten, Gardening, Handwork, &c. Students also prepared for the Froebel Higher Certificate.

For prospectus apply—Miss F. B. REYNOLDS, N.F.U., Brunnaquer, King's Norton, Birmingham.

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION.

In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W. 6.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas. A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

Principal: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

Next term begins on September 20th.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council:

The Rev. Canon TEMPLE, D.Lit.

Principal: Miss B. S. PHILLIPPS, Litt.D., O.B.E.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident £120 a year; non-resident from 30 guineas a year.

Next term begins October 1st, 1919.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination held annually in April.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W. 3.

ST. GEORGE'S TRAINING COLLEGE

(Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W. 4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education).

Cambridge Teacher's Certificate and London Teacher's Diploma.

2. ART TRAINING DEPARTMENT.

Various Examinations qualifying for Art Teaching in Secondary Schools.

3. KINDERGARTEN TRAINING DEPARTMENT.

All Examinations of the National Froebel Union, including Trainer's Diploma.

4. TRAINING DEPARTMENT for Teachers of Housecraft.

Diploma in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

MEDICAL PRELIMINARY EXAMINATIONS

THE

University Examination Postal Institution

provides courses in preparation for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes.

Oral lessons are also given.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C. 1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W. 1.

EXAMINATIONS for Teachers'

Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

TRAINING COLLEGES and Technical Schools.

See also pages 421-426; [Halls of Residence] 422; [Physical Training] 423, 428, 431; [Summer Schools] 422, 423, 430, 431, 447; [Scholarships] 427; 429, 432, 447, 472, 498.

BEDFORD COLLEGE FOR WOMEN

(University of London),

REGENT'S PARK, N.W.1.

SECONDARY TRAINING DEPARTMENT.

Recognized as a Training College by the Board of Education, the University of London, and the Cambridge Syndicate.

For particulars of Scholarships and Bursaries apply to the Head of the Department, Miss S. MELHUSH, Final Hist. Hons. Oxon., M.A. Vict., London Diploma in Pedagogy (University Reader in Education).

**Northern Counties
Training School of Cookery
and Household Economy,**
NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
**COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.**

School year begins September.

**GUILD OF EDUCATION AS
NATIONAL SERVICE.**

HALSEY TRAINING COLLEGE

(Recognized by the Board of Education)

FOR

Rural and Urban Day Continuation Work.

PREPARATION for work in DAY CONTINUATION SCHOOLS for Factory and Town Workers at Canning Town, E., where there are Voluntary Continuation Classes at the Hostel.

Preparation for work in similar schools for Rural and Farm Workers at Kenton, near Harrow Hostel, Clubs, and Instructional Market Garden Farm.

Board of Education Grants available for Graduates and for Certificated Teachers (men and women). Ministry of Labour Grants for Training and Maintenance given to demobilized men.

Apply—Org. Sec., Guild of Ed. as Nat. Service, 11 Tavistock Square, W.C.1.

**THE INCORPORATED
FROEBEL EDUCATIONAL
INSTITUTE.**

COLET GARDENS, TALGARTH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Institut Français du Royaume Uni

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.1.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

**BEDFORD KINDERGARTEN CO., LIMITED,
AND TRAINING COLLEGE,
14 The Crescent.**

Council:

THE BISHOP OF BIRMINGHAM;

C. W. KAYE, Esq., M.A., late Head Master

Bedford Modern School.

Principal: Miss AMY WANSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence for Students—Shenstone Lodge, Osborne House, and Magdala House.

Branch School—Froebel House, Goldington Avenue.

For terms and particulars apply to—
The Secretary, ALEXANDER MORRISON, 26 Hill St., Bedford.

SPEECH TRAINING SCHOOL,

NON-RESIDENTIAL.

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

**THE LONDON SCHOOL OF
DALCROZE EURHYTHMICS,**

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams:

'Eurhythm, London.'

Telephone:

Museum 2294.

In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

THE HORTICULTURAL COLLEGE, SWANLEY, KENT.

Scientific and Practical Instruction in Horticulture, Fruit Growing, Marketing and Packing; Farming, Dairying and Poultry Keeping, Bee-keeping, Fruit Preserving, and Domestic Economy.

The Diploma Course, two years.

Small Holders Course, two years: one year Horticulture; two terms Farming, Dairy and Poultry Keeping; one term Domestic Economy.

Landscape Gardening Course, two years.

Commercial Horticulture Course, one year: for women with previous experience, or as a second year to one of the College courses.

For particulars apply to the Principal

**ALDERSEY HALL, HANDLEY, CHESHIRE.
SCHOOL OF GARDENING,
Practical and Theoretical.**

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

SCHOOL OF GARDENING,

CLAPHAM, near WORTHING.

Principals { Miss C. CRACKNELL, late of Swanley
Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S.

A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

**MRS. CURWEN'S PIANO-
FORTE METHOD.
EAR TRAINING AND SIGHT SINGING FROM
SOL-FA AND STAFF.**

New TRAINING CLASSES for MUSIC TEACHERS, held weekly, will begin each Term at the Wigmore Hall Studios, Wigmore Street, W.1. taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

TRAINING COLLEGES & Technical Schools.

See also pages 421-426; [Halls of Residence] 422; [Physical Training] 423, 428, 431; [Summer Schools] 422, 423, 430, 431, 447; [Scholarships] 427; 429, 432, 447, 472, 498.

BIRKBECK COLLEGE

BREAMS BUILDINGS, CHANCERY LANE, E.C.4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)

FOR DEGREES IN

ARTS, SCIENCE, ECONOMICS, LAWS,
under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.
GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE and RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10.10s.; Science, £17.10s.
Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

BATTERSEA POLYTECHNIC, LONDON, S.W.11.

DOMESTIC SCIENCE TRAINING DEPARTMENT.

Recognized by the Board of Education for the Training of Teachers.

Head of Department: Miss MARY E. MARSDEN.

FULL Courses of Training for
Teachers of Cookery, Laundrywork, Housewifery, including Infant Care, Science applied to Housecraft, Needlework, Dressmaking, and Millinery.

Training for Housekeepers and School Matrons.
Hostels for Students.

For particulars of Curricula, Fees, Scholarships, and Hostels, apply to the SECRETARY.

CITY OF SHEFFIELD EDUCATION COMMITTEE.

TRAINING COLLEGE IN DOMESTIC SUBJECTS,
Leopold Street.

(Recognized and inspected by the Board of Education.)
Principal: Miss MARY E. LEICESTER.

STUDENTS trained as Teachers in
all branches of Domestic Science. Maintenance Grants payable for Board of Education Diploma Students. Short Courses of training in all subjects. College Hostel provided.

College reopens in September, 1919.

For full particulars apply to the PRINCIPAL or the undersigned.

H. S. NEWTON,
Education Office, Sheffield. Secretary.

MISS LAURA SMITHSON,
L.R.A.M.: Elocution A., Summer School held at Stratford-on-Avon during Festival. Recommended by Sir Frank Benson, Miss Lillian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W. 8.

LEEDS UNIVERSITY.

ADMISSION OF STUDENTS. OCTOBER 1919.

THE next session of the University will open on Monday, the 6th October, 1919. Owing to the greatly increased demands upon the accommodation of the University, it is necessary that students desiring to enter in October next should make application at the earliest possible moment, and in any case not later than the 30th June. In the present exceptional circumstances, no guarantee can be given to reserve places for all desiring admission, especially in the case of those whose applications are received after the date mentioned. Should it be found necessary to limit the number of admissions, a preference will be given to the older students. Forms of application may be obtained from the SECRETARY, The University, Leeds.

Application need not be made by students who have already applied for acceptance as King's Scholars. Present students desiring to return to the University next session will fill up a special form which will be supplied by the SECRETARY.

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE.

Students who desire admission to full-time Undergraduate Courses, in October next, should apply for admission immediately. Those who have just sat for Matriculation can make their applications contingent on success in that examination. Owing to the large number of applications already received, it is unlikely that any application will be successful that is received later than Saturday, July 5th.

WALTER W. SETON, M.A., D.Lit.,
University College London. Secretary.
(Gower Street, W.C.1.)

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

THE INCORPORATED SOCIETY OF MUSICIANS.

FOUNDED 1882.

INCORPORATED 1892.

OBJECTS OF THE SOCIETY.

The objects for which the Society is established are the promotion of whatever may tend to the elevation of the status, and the improvement of the qualifications, of all Members of the Musical Profession, or may aid the musical education of the people.

ADVANTAGES OF MEMBERSHIP.

The inclusion of the names of members in an Annual Register, which is supplied to all Public Libraries and Reading Rooms, for the purpose of affording the public an opportunity of selecting qualified teachers. (The publication of this Register has been suspended for the moment owing to paper and other restrictions, but will be resumed as soon as possible.)

A quarterly periodical called "The Report," in which an account of the Society's work and other matters of interest are recorded, and which is open to members for the discussion of all questions relating to the musical profession.

A Benevolent Fund for members, the Regulations for which have purposely been made as wide as possible in order to meet the many and very varying contingencies which arise from time to time.

An Orphan Fund for the children of musicians, which is open to the dependents of all musicians, whether their parents were members of the Society or not.

Sectional Meetings, which are open to all members in all parts of the country, and at which excellent arrangements are made for the reading of papers and the discussion of matters musical.

Legal Advice on all professional matters; Income Tax Claims; Copyright; The Recovery of Fees, &c.

Registers open to members of "Vacant Appointments" and "Engagements," and for the transfer from member to member of pupils moving to new districts.

Registers of Hotel and other accommodation available for members when travelling to fulfil professional engagements.

LOCAL EXAMINATIONS IN MUSIC.

The examinations of the Society, established in 1884, are carefully arranged in a systematic series of Progressive Grades, embracing a complete course of musical study, and constitute a most valuable guide for Teachers in recording the progress of their pupils.

The Syllabus is prepared by a Committee of experienced Teachers, who are qualified by active practice to judge of the standard which should be attained by pupils in all stages of progress.

A limited number of Prizes and Scholarships are awarded to those presenting exceptional work at the Local Examinations, the Scholarships taking the form of a payment for the further musical training of the Student.

FULL PARTICULARS MAY BE OBTAINED UPON APPLICATION TO THE GENERAL SECRETARY, 19 BERNERS STREET, W.1.

"THE JOURNAL OF EDUCATION AND SCHOOL WORLD."

MARCH 1919; also January, February, and May, 1919. One Shilling each offered for copies in good condition, to complete urgent orders in hand from India, Australia, Japan, South Africa, Poland, &c.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern
Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on
application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Ken-
sington High School, St. Alban's Rd., Kensington, W.8.

CRANBROOK SCHOOL, KENT.

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS
and EXHIBITIONS are held in March, June, and
November. For particulars apply to the HEAD
MASTER, The School House, Cranbrook, Kent.

NEWNHAM COLLEGE.—TWO
SCHOLARSHIPS, one for Classics and one
for Modern Languages, are offered in March, each of
£30 a year for three years. Other Scholarships are
offered on the results of the Cambridge Higher
Local Examinations in June. Particulars can be
obtained from the PRINCIPAL.

UNIVERSITY OF MANCHESTER.

ENTRANCE SCHOLARSHIP IN RUSSIAN.

The Council of the University will offer an EN-
TRANCE SCHOLARSHIP IN RUSSIAN of the
value of £35, tenable for three years, for the encour-
agement of the study of Russian by candidates of
school age intending to enter upon a Degree Course
in the University. The Examination will be held
on the 17th and 18th July. *Last day for notice,*
July 4th.

For particulars apply to the REGISTRAR, The Uni-
versity, Manchester.

BRIGHTON COLLEGE. — An
Examination will be held in June, 1919, to
elect to EIGHT SCHOLARSHIPS varying in value
from £60 to £45 a year. Full particulars on applica-
tion to the HEAD MASTER.

ST. JOHN'S SCHOOL, LEATHER-

HEAD.—In addition to sons of living clergy
elected on the Free Foundation, Supplementary
Foundationers (sons of living clergy only) are re-
ceived at the annual fee of 35 guineas. The School
is also open to sons of Clergy or Laymen paying full
fees, viz., Clergy 60 guineas, Laymen 60 guineas per
annum. Day-Boys 30 guineas per annum. Modern
School buildings for 230 boys. Boys prepared for
the Universities, Army and Civil Service Examinations,
&c. Leaving Scholarships. One or two
Albany Scholarships awarded each year. Also three
Entrance Scholarships, value £30, £25, and £20 per
annum. Scholarship examination for 1919 on the
first Tuesday in July; entries close the last day of
June. For Prospectus, &c., apply to the Head Master,
the Rev. E. A. DOWNES.

HIGHGATE SCHOOL.

Founded, Endowed by Sir Roger Cholmeley in 1565.

The Annual Scholarship Examination will be held
on November 20 and 21, when 5 FOUNDATION,
2 GLADSTONE, and 5 BOARDING SCHOLARSHIPS
will be open. The awards vary from £41 to
£55 per annum. Applications by November 13 to
the HEAD MASTER, School House, Highgate, N.6.

Not classics in chief, nor science alone, but the
adaptation of a boy's work to his special capacities
and needs, as these become manifest."

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by
post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;

Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH,
M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships
and Exhibitions, varying from £50 to £15,
is held annually in May. General knowledge is
required in preference to specialization in one
subject. Exhibitions also awarded on the Common
Entrance Examinations.

Further details from—
S. M. TOYNE, M.A., Head Master.

BEDFORD SCHOOL.—Head

Master: REGINALD CARTER, M.A. An Exam-
ination will be held at Bedford on March 18th, 1919,
for 4 Exhibitions £50-£40, and 6 Nominations £10-£20
for Boarders, and 4 for Day Boys. Apply for par-
ticulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EX-
HIBITIONS.—Seven Exhibitions are offered to Sons
of Old Bedfordians on certain conditions. For par-
ticulars apply—HEAD MASTER, Bedford School.

SOMERVILLE COLLEGE, OXFORD.

THE following SCHOLARSHIPS
will be offered for competition in March, 1920,
on the results of an Examination to be held at the
College:—

A CLOTHWORKERS' SCHOLARSHIP of £50
for 3 years. (Open only to candidates
who submit satisfactory evidence that
they cannot come into residence with-
out pecuniary assistance.)

A COOMBS SCHOLARSHIP of £50 for 3 years.
A STUDENTS' SCHOLARSHIP of £45 for
3 years.

One or more EXHIBITIONS of not less than
£20 a year.

Full particulars will be sent on application to the
PRINCIPAL or SECRETARY.

LEIGHTON PARK SCHOOL.

(Founded 1890 by the Society of Friends.)—
This School for Boys from 12 to 19 stands on an
estate of 45 acres of park land. Its aim is to provide
a liberal education on Public-school lines; to develop
individuality and initiative; to encourage hobbies
and open-air life.

Leighton Park has its biological, chemical, physical
laboratories and working museum. There is also a
swimming bath, an astronomical observatory, and a
gymnasium.

Examinations will be held in February 1920 for two
MINOR OPEN SCHOLARSHIPS of £50 each for
three years.

For details and for Prospectus and Yearbook,
please apply to the Head Master, C. I. EVANS, M.A.,
Leighton Park School, near Reading.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRI-

CAL ENGINEERING COLLEGE.—Exam-
inations for SCHOLARSHIPS tenable in College
and Manufacturing Works are held annually in
April. For particulars apply to ACTING SECRE-
TARY, 66 Southampton Row, W.C.1.

NORTHAMPTON POLYTECHNIC INSTITUTE.

St. JOHN STREET, LONDON, E.C.1.

SCHOLARSHIPS IN ENGINEERING.

THREE ENTRANCE

SCHOLARSHIPS, each of the value of £52,
in Mechanical and Electrical Engineering will be
offered for competition at the Entrance Examination
in September, 1919. The course prepares matriculated
students of the London University for the Degree of
B.Sc. in Engineering as Internal Students.

WEYMOUTH COLLEGE.

SIX SCHOLARSHIPS for CLASSICS OF MATHEMATICS,

of the value of £40 downwards, and open to boys
between twelve and fourteen, was offered for

Competition on Wednesday and
Thursday,

June 11th and 12th, 1919.

For Prospectus and other information apply to the
HEAD MASTER.

KING'S SCHOOL, CANTER-

BURY.—ENTRANCE and KING'S
SCHOLARSHIPS. Some FIFTEEN SCHOL-
ARSHIPS offered for competition twice annually,
in June and November. For particulars apply to
the Head Master—A. LATTER, M.A.

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A.,

Coaches by Correspondence in French,
History, English Language, and Literature, and
Comparative Religion for Cambridge and Oxford
Locals and other examinations.—The Rectory, Little
Stukeley, Huntingdon.

MADEMOISELLE MARIE

POUJAUD will be very pleased to give
CORRESPONDENCE LESSONS in FRENCH, or
to correct letters written to her. Eight letters £1.
Address—Villa de la Source, Tillières sur Avre
(Eure), France. Reference: Miss INGHAM, Moira
House, Eastbourne.

MISS MASOM, B.A. Honours,

Registered Teacher, prepares for Matricu-
lation, Oxford and Cambridge Locals, Responsions
in Mathematics and other subjects. Schools or
privately. Successful experience. Highest testi-
monials.—207 Adelaide Road, N.W. 3.

Continental Schools

COLLÈGE DE CANNES, PRÈS

NICE (ALPES MARITIMES), FRANCE.

A fine new building, with every modern comfort.
Private rooms. Three months' course giving fluent
knowledge of French to foreigners. £21. 8s. a term.

EDUCATED GIRLS thoroughly

trained for permanent and well paid Secre-
tarial and Journalistic Appointments. Prospectus—
Miss IRONSIDE, Training Bureau, 50, Lincoln's Inn
Fields, W.C.2.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the HON. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GEORGE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA COLLEGE OF PHYSICAL EDUCATION FOR WOMEN. (SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Applications for admission in September next should be made now to the HEAD MISTRESS (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENE M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S PHYSICAL TRAINING COLLEGE, WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS' GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASTIC TEACHERS.

See advertisement on page 423.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W. 11. Tel.: PARK 3948.

PHYSICAL TRAINING COLLEGE

LOWER REDLAND ROAD, BRISTOL.

TRAINING in Swedish and British Gymnastics for public examination. Tennis, Hockey, Cricket under a County player. Swimming, Massage and Remedial Gymnastics under a certificated Masseuse. Anatomy, Physiology, Hygiene.

Dancing, Ballroom and Ballet, Dalcroze Eurhythmics.

Students prepared for the advanced certificate of The English Folk Dance Society.

Residential fees on application to—The Misses JENNINGS, HOLBROW, and COLSON.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. *There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.*

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO,

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital). Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m. Appointments should be made when possible.

Telephone: Museum 3217. Telegrams: "Educatorio Grenville London."

TO PRINCIPALS.

Have you carried out the new regulations by sending the name and address of your School to the Board of Education?

TO ASSISTANTS.

Have you done your duty by becoming a registered teacher?

Principals and Assistants should become Members or Associates of

**THE EDUCATIONAL BUREAU,
1 Sicilian House, London, W.C.1.**

Principals may become Members, £1 1s. per annum.

Assistants may become Associates, 5/- per annum.

Reduced fees for all business transacted for Members and Associates.

Masters, Mistresses, Matrons, Transfers, Pupils. Write SECRETARY.

LECTURES ON ART. Single or

in Series. London and the provincial capitals. For prospectus and terms address—Miss A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

L. R.A.M. and A.R.C.M. Teaching. Singing Exams. Special Correspondence Course and personal tuition. Complete preparation. Pupil writes: "Your Course is excellent, and my singing work has greatly improved, thanks to your tuition.—A. F."—Mr. W. LEE WEBSTER, L.R.A.M., A.R.C.M. (Teaching Singing), 22 Lucknow Avenue, Nottingham.

To Arts and Crafts Teachers.

HAND-LOOM WEAVING. By LUTHER HOOPER. ("The Artistic Crafts Series.") Advertiser wishes to buy a second-hand copy of above book. Address—No. 10,790.*

STAMMERING.

A PHENOMENAL ADVANCE in the Treatment of Stammering.

Particulars—

Mr. J. H. MIALL, Specialist Instructor at Christ's Hospital and other public schools.

209 OXFORD STREET, W.1.

FOR SALE OR TRANSFER.

SCHOOL.—FOR SALE as a GOING CONCERN, the OLD-ESTABLISHED HIGH-CLASS GIRLS' SCHOOL known as BRUNSTANE SCHOOL, 13 and 15 Brunstane Road, Joppa, Edinburgh. Good connexion. Suitable premises; excellent nucleus for preparatory school. Satisfactory reasons for disposal. Terms moderate. For further particulars apply to CHARLES T. NIGHTINGALE, S.S.C., 8 North St. David Street, Edinburgh.

FOR DISPOSAL, English and SHORTHAND CLASSES in Paris. Twelve years' success. Apply—Mlle MAYOUX, 26 Rue de l'Exposition, Paris VIIe.

**FOR SALE IN NORFOLK.**

LADIES' SCHOOL. Established over forty years. 100 pupils. With a grand residence standing in four acres of the most picturesque grounds. Price £3,000.—COOKE, Exor., South Nutfield, Surrey.

BOARDING SCHOOL FOR SALE in Yorkshire, owing to continued illness of Principal. Very flourishing and up to date. Good premises. Suit two young University women. Capital required about £2,000, less without household furniture. Address—No. 10,832.*

TO BE SOLD, flourishing GIRLS' SCHOOL, with House. Fashionable residential neighbourhood, West of England. Good house and garden. Over 30 boarders and 25 day pupils. Excellent openings. Address—No. 10,838.*

NORTH-WEST NORFOLK COAST.—Principal is desirous of disposing of her high-class GIRLS' SCHOOL, successfully carried on for the last 18 years, as a going concern, with the newly built Detached Freehold Country Residence with sheltered garden and tennis lawn (in all 2 acres). Specially erected by the owner as a school residence. Situate in a quiet, healthy seaside village, near rail, seashore 1/2 mile. South aspect, sunny position, all rooms airy and well lighted. Excellent water supply from adjoining town. References offered.—Agents, INGRAM WATSON & SON, Hunstanton.

FOR SALE.—PREPARATORY SCHOOL and KINDERGARTEN for children under 13, in a first-class residential neighbourhood of Surrey. 70 pupils paying from 3s to 5 guineas a term in addition to extras. Gross receipts nearly £1,200, net profit about £400. Goodwill £750; school furniture at valuation. Vendor would accept £500 paid down, balance by instalments. For further particulars apply—T3,006, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

PARTNER required for good-class Boarding and Day School for Girls on the Dorsetshire Coast to manage the domestic side of the School. Gross receipts £2,750, net profit between £500 and £600 a year. £500 would be accepted for a half share from a suitable partner. For further particulars apply—T3,003, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—BOARDING SCHOOL FOR GIRLS in an attractive part of Surrey; quite full with 36 boarders paying 120 to 150 guineas per annum, in addition to extras. Premises stand in grounds of nearly 9 acres. Gross receipts about £5,000. Goodwill £1,500; the vendor is prepared to negotiate with a suitable successor able to pay down this amount. For further particulars apply—T3,004, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—High-class Church of England DAY SCHOOL FOR GIRLS in West of England. 44 day pupils paying from £9 to £20 per annum, producing nearly £1,200 per annum, which will more than cover expenses. Goodwill £350, furniture at valuation. Present Principal removing with her boarders elsewhere. For further particulars apply—T2,502, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

VICE-PRINCIPALSHIP with view to PARTNERSHIP and SUCCESSION, offered to lady with University or other good qualifications, able to act as Head Mistress of a high-class Boarding and Day School on the South Coast. The School has 46 boarders paying 100 guineas per annum, and 20 day pupils. The School is very profitable, and offers a good future to a suitable lady in a position to invest a certain amount of capital in the near future. For further particulars apply—T1,069, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—High-class PREPARATORY BOARDING SCHOOL FOR GIRLS between 7 and 13. Full with 26 boarders paying £90 per annum; net profit between £400 and £500 a year. Principal willing to negotiate with a suitable successor able to pay down about £500, or would be willing to appoint a lady as Head Mistress at a salary with a view to succession. For further particulars apply—T2,978, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—First-class BOARDING AND DAY SCHOOL FOR GIRLS in N.W. of England. 20 Boarders paying from 80 to 90 guineas per annum, exclusive of extras. 95 day pupils paying from 15 to 24 guineas per annum, exclusive of extras. Gross receipts between £4,000 and £5,000; net profit averages £700 per annum. Goodwill £1,000; furniture at valuation. Vendors would accept £500 down and balance by instalments, from suitable successor or successors. For further particulars apply—T2,970, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—Good DAY SCHOOL FOR GIRLS and little boys in important city North of England. 130 day pupils paying from £7 to £12 per annum. Gross receipts nearly £1,800; net profit over £500 a year. Term's fees accepted for goodwill; furniture at valuation. Part of the purchase money could be paid off by instalments. School is very efficient, and enjoys a high reputation. For further particulars apply—T2,979, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—Church of England DAY and BOARDING SCHOOL FOR GIRLS in East Midland City. Over 150 pupils, 47 of whom are boarders paying from 42 to 48 guineas per annum, plus extras; fees could be raised considerably. Gross receipts for last year nearly £3,500, net profit between £500 and £600 a year. Term's fees for pupils transferred, furniture at valuation. Vendor willing to accept large part of the purchase money by instalments from a well-qualified successor. Domestic arrangements in the hands of a capable lady, who would remain with a view to partnership if desired. For further particulars apply—T2,160, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

SCHOOLS FOR SALE.—(Kent.) About 80 day pupils, 15 boarders. Excellent premises, good ground. Rent only £112. —(Sussex.) Day connexion, excellent opening for boarders. Principals retiring after 32 years' successful management. Goodwill one term's fees.—(12 miles from London.) 16 boarders, 30 day pupils.—(Surrey.) Day connexion. Goodwill £100. Further particulars of HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. No charge to purchasers. Expert advice gratis. Established 1881.

ATTRACTIVE opening and immediate demand for establishing first-class PREPARATORY SCHOOL (country) near Glasgow. Modern building; accommodation 40 boarders, 100 day pupils. Can be acquired very moderately. Fishing, Golfing, Boating, &c.—FERGUSON & BLAIR, 190 West George Street, Glasgow.

FOR DISPOSAL.—A very good GYMNASIUM and DANCING PRACTICE. Large well-fitted Gymnasium and Medical Room. Profits during last year over £250. Disposal owing to health. Address—No. 10,855.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

SUMMER SCHOOLS, 1919.

Other Summer School Announcements will be found on pages 422, 423, 431, and 447.

FRENCH and SPANISH Holiday Courses. OXFORD.

THE TEACHERS' GUILD proposes to hold Courses as above
from August 13th to 29th, 1919.

Professor RUDLER, The University of London,
Professor FLEURE, University of Wales,
Professor STUDER, Taylorian Institute, Oxford,
WILL GIVE LECTURES.

Señor BARRAGÁN in charge of Spanish; Miss ALLISON in charge of French.

Particulars and Entrance Forms from the GENERAL SECRETARY,
9 Brunswick Square, W.C.1.

THE ENGLISH FOLK DANCE SOCIETY.

The Summer School OF FOLK SONG and DANCE

WILL BE HELD AT

Stratford - on - Avon

FROM

JULY 26th to AUGUST 23rd.

For further particulars apply to—

THE SECRETARY,

73 Avenue Chambers, Vernon Place,
Bloomsbury, London, W.C.1.

ASSOCIATION FOR THE REFORM OF LATIN TEACHING.

PRESIDENT: DR. W. H. D. ROUSE, The Perse
School, Cambridge.

A SUMMER SCHOOL

will be held this year at

OXFORD,

FROM SEPTEMBER 2nd—9th (INCLUSIVE).

Demonstration Classes.

Oral and Phonetic Group Practice.

Latin Author Reading Classes.

Lectures (and Discussion) on
Method, Archaeological Aids, &c

For fuller particulars apply to—

Mr. N. O. PARRY, 4 Church Street, Durham.

Educational Handwork Association.

President: The Right Hon. A. H. D. ACLAND.
Secretary: Mr. J. SPITTLE, 16 Cambridge Rd.,
Huddersfield.

Annual Subscription, 2/6. Journal post free to
Members.

SUMMER SCHOOLS.

HANDWORK at (Scarborough.
Falmouth.
St. Anne's-on-Sea.

PHYSICAL TRAINING

at Scarborough.

From JULY 28th to AUG. 23rd, 1919.

Director Mr. J. TIPPING.

Superintendent of Physical

Training Mr. H. A. COLE.

Preparation for all Exams.

Hostel accommodation.

Prospectuses and full information may be ob-
tained as follows:—

Scarborough School.—Mr. J. TIPPING, 35
Lower Rushton Road, Bradford.

Falmouth School.—Mr. C. SEAMAN, 38 Vic-
toria Park Avenue, Cardiff.

St. Anne's-on-Sea School.—Professor
J. A. GREEN, M.A., The University, Sheffield.

DALCROZE EURHYTHMICS.

The SUMMER SCHOOL will be held at
OXFORD,

August 4th to 16th inclusive.

Prospectus on application to THE DALCROZE
SCHOOL OF EURHYTHMICS, Limited, 23 Store Street,
London, W.C.1.

New Ideals in Education.

The 6th Annual Conference

WILL BE HELD AT

CAMBRIDGE,

JULY 25th to AUGUST 1.

Apply—SECRETARY, 24 Royal Avenue,
Chelsea, S.W. 3.

SHORTHAND Holiday Courses AT SKEGNESS.

Teachers of

Dutton's Shorthand

will be required for the
New Continuation Schools.

Qualify now by taking a two, three, or
four weeks' Holiday Course at Dutton's
Business College, Skegness, open all the
year round. Giving three hours per day,
the complete theory of the system can be
acquired completely in two weeks.

Skegness is SO bracing.

It is an ideal Seaside Resort. Its attrac-
tions are many, including—(1) Bracing Air;
(2) Acres of Hard Sand, making it a Chil-
dren's Paradise; (3) Two fine 18-hole
Sporting Golf Courses open to Visitors;
(4) Lawn Tennis, Bowls, and Cricket;
(5) Sea Bathing; (6) Bands, Theatrical
Companies. First Class Concert Parties
and Picture Houses.

IMPROVE YOUR HEALTH

AND

INCREASE YOUR WEALTH

by taking a DUTTON SHORT-
HAND HOLIDAY COURSE.

Teachers unable to visit Skegness are in-
vited to write for details of the Free Postal
Course.

Send stamp for full details to—

Dutton's Business College,
Desk HC97, Skegness.

HOLIDAY COURSES.

INTERNATIONAL GUILD.
6 RUE DE LA SORBONNE, PARIS.

JULY. AUGUST. SEPTEMBER.

PHONETICS every day. Conver-
sation, Grammar, French History and
Literature.

For Prospectus, apply to the SECRETARY.

SUMMER SCHOOLS, 1919.

Other Summer School Announcements will be found on pages 422, 423, 430, and 447.

UNIVERSITY OF GRENOBLE (FRANCE).

**Holiday Classes,
July 1 to October 31.**

In 1914 there were 657 Foreign Students.

COMPLETE Practice in Reading and Speaking (groups of 6), Lectures on French Language and Literature, Practice in Translation and French Composition (groups of 25).

Railway fares half price. Family boarding-houses 200-400 frs. a month.

Excursions every week in the mountains of Dauphiné, to the towns in the valley of the Rhone, Winter Sports, and Mountaineering.

More detailed information sent free on receipt of demand addressed to the

**Comité de Patronage des
Étudiants Étrangers.**

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH.

SUMMER SCHOOL, AUGUST, 1919.

THE ELEVENTH Annual Summer School will be held for three weeks from 28th July, 1919.

Instruction will be provided in the following subjects:—

GEOGRAPHY.

LIBRARY SERVICE (Cataloguing, Commercial and Technical Libraries, Archives, Palaeography, Diplomatic).

HISTORY and LITERATURE (British History, 1485-1800, the Political Development of Europe from 1789 to the present time, the Teaching of History).

RURAL SCIENCE (Agriculture, Agricultural Chemistry, Horticulture).

ARTS and CRAFTS (Jewellery and Enamelling, Hand Weaving, Book Binding, Clay Modelling, Wood Carving, Drawing for Schools).

EDUCATION (the special characteristics and problems of adolescence, schoolroom problems, modern educational thought and development).

EUGENICS.

SOCIAL ECONOMICS. (Some aspects of the Industrial Problem).

A special course of Lectures will be given by Sir Harry Jones, LL.D., Litt.D., F.B.A., of the University of Glasgow.

For further particulars and entrance form apply to the REGISTRAR of the College.

Summer School OF Civics & Eugenics, CAMBRIDGE.

**August 2nd-August 16th,
1919.**

SUBJECTS:—Sociology, Biology, and Psychology—Social and Analytic.

METHODS:—Lessons, Lectures, Demonstrations, Debates, Seminars and Surveys.

Individual as well as Class Teaching will be given. There will be an Exhibition illustrating the history and planning of cities and villages from Civic and Eugenic standpoints. Instruction in Public Speaking, followed by Practice Classes, will be provided.

Tennis, Boating, and Excursions arranged for. Stories and Songs of the Fen-country, accompanied by Dramatization, will form a feature of the afternoon arrangements.

Apply for particulars to the Summer School Secretary—

**Miss CONSTANCE M. BROWN,
11 Lincoln's Inn Fields,
London, W.C. 2.**

STREATHAM HILL HIGH SCHOOL

(Girls' Public Day School Trust),

WAVERTREE ROAD, STREATHAM HILL, S.W. 2.

**MUSIC TEACHERS'
TRAINING DEPARTMENT.**

A Short Holiday Course

illustrating various aspects of modern music-teaching in schools, will be held at the above School, from

**MONDAY, SEPT. 8th, to SATURDAY, SEPT. 13th,
inclusive.**

SUBJECTS AND LECTURERS.

1. The Appreciation of Music. Mr. STEWART MACPHERSON.
2. Aural Training, including Rhythmic Movements for Young Children. Miss ELSIE MURRAY.
3. Pianoforte Teaching. Mr. FREDERICK MOORE.
4. The School Choral Class. Dr. H. W. RICHARDS.

Full particulars may be obtained from Miss KENNETT-HAYES at the School, after July, at 5 Oriol Street, Oxford.

VACATION COURSES

IN

VOICE CULTURE FOR CHILDREN, by Mr. JAMES BATES.

VOICE CULTURE FOR ADULTS, by Mr. FILMER ROOK.

CLASS SINGING (with Practice Class), by Mr. JAMES GALLIE, Mus.B., and Mr. ARTHUR STORK.

SIGHT READING (both notations), by Mr. LEONARD C. VENABLES.

HARMONY, by Mr. GEO. OAKLEY, Mus.B.

EAR TRAINING and MUSICAL FORM AND EXPRESSION, by Mr. R. D. METCALFE, Mus.B.

Daily lessons from July 22nd to August 14th, 1919, at Earlham Hall, Forest Gate, E.7. For Prospectus apply to the Secretary of the Tonic Sol-fa College, 26 Bloomsbury Square, London, W.C.1.

STRATFORD-ON-AVON SUMMER SCHOOL, JULY 30th TO AUGUST 30th.

Miss LAURA SMITHSON, L.R.A.M.

SEVENTH SEASON.

ELOCUTION, DRAMATIC and VOCAL TECHNIQUE, And ENGLISH PHONETICS.

Recommended by Sir FRANK BENSON,
Miss LILIAN BAYLIS, BEN GREET, Esq., WILLIAM POEL, Esq., &c.

All particulars from Miss LAURA SMITHSON,

109 Abbey Road Mansions,

St. John's Wood, N.W.8.

Or, The Union Club, Stratford-upon-Avon.

OXFORD UNIVERSITY DELEGACY FOR THE

TRAINING OF SECONDARY TEACHERS.

THE Oxford Summer School of Education will be held between the dates of August 6th and September 2nd. In addition to Lectures on Educational Theory, there will be Lectures and Conferences on the teaching of History, Geography, Mathematics, Natural Science, Latin, French, and English. There will also be a discussion lesson daily. Among the Lecturers will be leading Head Masters and Head Mistresses and a number of distinguished Teachers.

Fees.—For lectures and conferences only, £1. 5s. per week.

For all lectures and classes, £2 per week, or £7. 10s. for the whole month.

Write for detailed syllabus and entry form to the SECRETARY, Secondary Training Delegacy, Old Clarendon Building, Broad Street, Oxford.

PHYSICAL TRAINING, &c. (continued from pages 423 and 428).

ANSTEY PHYSICAL TRAINING COLLEGE, ERDINGTON.

offers well-educated women complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

Residential Fees: £100 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

PHYSICAL TRAINING COLLEGE, QUEEN ALEXANDRA'S HOUSE GYMNASIUM, KENSINGTON GORE, S.W. 7.

EDUCATED GIRLS TRAINED

as **TEACHERS** of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PORTLAND ROAD GYM- NASIUM, London, W.—Students thoroughly

trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHE, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, Highcroft Gardens, Golder's Green, N.W.4.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,

Intermediate Arts and B.A.,

Intermediate Science and

B.Sc. (Theoretical Subjects only),

L.L.A. (St. Andrews),

College of Preceptors' Diploma.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

SCHOOL
WORLD

WANTED. — Parts
for MARCH, 1904 (Vol. 6).

MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C. 4.

Posts Wanted.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holbein Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

POST of VISITING ART MISTRESS wanted now or September by fully qualified Teacher R.D.S. (Ablett). Good Secondary School experience. Drawing, Painting, Design, Pen and Ink.—Miss WILMOT, 5 Carlyle Studios, King's Road, Chelsea, S.W.3.

YOUNG Lady educated at Versailles High School seeks a situation as **TEACHER OF FRENCH** in a school. Best certificates, secondary-school diploma, University degree. Can teach Music, Drawing, Water Colours too. Apply—Mlle BOULANGER, 72 Boulevard Montesquieu, Roubaix, France.

HANOVERIAN Woman (40), University education, seeks work to keep herself and adopted child (English, age 11). Experience (in England), 12 years' teaching, including English subjects, Modern Methods, and 3 years' Social Welfare Work. Write—Box 491, HARRODS ADVERTISING AGENCY, Hans Crescent, S.W.1.

Posts Wanted—continued.

YOUNG Lady seeks position as **SECRETARY** in High School. Shorthand 120. Typing 40. Good Coach for Junior Sports. Bournemouth vicinity preferred. Write soon to—CATHERINE, 101 Stennington Avenue, Bishopston, Bristol.

AS MUSIC MISTRESS.—Trained teacher Singing (Voice Production), Piano A.T.S.C. London; R.A.M., R.C.M. certificates; 7 years' reference. Keenly interested in pupils' progress.—1,002 D, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. Others. Heads of Schools invited to make known their requirements for next term.

AS KINDERGARTEN MISTRESS.—N.F.U. Certificate, 2 years' reference, coached students. Experienced junior classes. Ablett's Drawing, Class Singing, Needlework, Games.—1,681 E, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Others disengaged. Established 1881.

AS FRENCH MISTRESS.—Bright young French Protestant Diplômée. Experienced English School routine. Junior Music, Needlework.—7,023 F, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Others, English, Art, Languages, Music. Selected List gratis if requirements stated. Heads of Schools invited to make known early their requirements for next term. Established 1881.

AS LADY HOUSEKEEPER.—School or College. Highest testimonials. Trained cooking, catering, care of stores, supervision of maids. Thoroughly reliable, responsible gentlewoman.—1,233 N, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Many others. Also Matrons and Lady Nurses, Daughters and Widows of professional men, with excellent experience and warmly recommended.

TWO Friends require Posts together, in September, as **SECRETARY** and **HOUSE-MISTRESS** or **MATRON-HOUSEKEEPER** in School or Institution. Experienced. Salary required £100 resident, respectively. Write—Miss M. DIXON, 24 Clifton Gardens, W.9.

GEORGE GILL & SONS, Ltd.

The Oxford and Cambridge Edition.

Ready August 30.

MILTON—COMUS, LYCIDAS, and ENGLISH SONNETS

The above will be issued uniform with other works already included in the English Section of the Oxford and Cambridge Edition.

Complete Educational Catalogue and Specimen Pages post free.

LONDON: GEORGE GILL & SONS, Ltd., 13 WARWICK LANE, E.C.4.

SCHOLASTIC APPOINTMENTS

University Men and Women seeking scholastic appointments should apply to

Truman & Knightley —SCHOLASTIC AGENTS—LTD—

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions pleasant, and the holidays are long. Salaries range from £50 to £100 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student, Junior Mistresses, and House Governesses or Duty Mistresses at salaries of from £30 to £50 per annum with board and residence.

There is a separate department for

LADY MATRONS and HOUSEKEEPERS

for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices : 158-162 OXFORD ST., LONDON, W.1

Telegrams : "TUTORESS, PHONE, LONDON."

Telephone : MUSEUM 1136.

Messrs. RIVINGTONS' LIST

Their Complete Educational List can be had, post free, on application.

LATIN.

ELEMENTARY LATIN TRANSLATION BOOK.

By the Rev. A. E. HILLARD, High Master of St. Paul's School, and C. G. BOTTING, Assistant Master at St. Paul's School. 2s. 9d. [Just ready.] This is not a book of Selections, but a series of pieces specially written in which the authors try to keep the principle of their other books by not introducing at any stage any construction or form which has not already been learnt. The order in which constructions and forms are introduced is that of the authors' **ELEMENTARY LATIN PROSE EXERCISES**, and parallel references are given. The subject-matter drawn upon for the pieces is mainly Roman History, and almost from the start an attempt is made to give a "continuous" narrative in each piece instead of separate sentences.

BEGINNERS' GUIDE TO LATIN, being a First Latin Translation Book.

By GEORGE G. LOANE, Assistant Master at St. Paul's School. 2s. 6d. This attempts to provide a self-contained guide for the beginner of Latin. The accident is given in small portions, and the passages for translation contain only such forms as have been so far learnt. The easier idioms are explained from time to time, and are then used in the translation. The whole accident is thus covered and most of the elementary constructions come in.

ELEMENTARY LATIN PROSE EXERCISES.

By the Rev. A. E. HILLARD, High Master of St. Paul's School, and C. G. BOTTING, Assistant Master at St. Paul's School. 3s. A Key, 3s. 6d., postage 2d.

LATIN PROSE COMPOSITION.

For the Middle Forms of Schools. By M. A. NORTH and the Rev. A. E. HILLARD, 4s. A Key, 6s. net, postage 2d.

ADDITIONAL LATIN EXERCISES.

By the Rev. A. E. HILLARD and C. G. BOTTING. 3s. A Key, 4s. net, postage 2d.

CONTINUOUS LATIN PROSE.

By H. J. DAKERS, Assistant Master at Manchester Grammar School. 5s. 6d. This book is intended for the use of Upper Forms of Schools and to provide for the writing of **Continuous Latin Prose** up to scholarship standard. A fairly complete **Prose Construction and Syntax** is supplied, as well as a careful apparatus. The Exercises have numerous references at the foot to establish a connexion between the Syntax and the Exercises. The Exercises have been tested in Manchester Grammar School, where the book was in use for a time before publication.

JUNIOR LATIN PROSE.

A Latin Version, 6s. net, postage 2d. By H. J. DAKERS. Crown 8vo. 4s. In September. The aim of this book is to make the transition from the drill of detached sentences to the translation of simple stories as speedy as possible. There are a limited number of exercises of Sentences to give practice in the more important rules of Syntax. It is suggested that the best way of using these is to work through them orally with the pupils. These are followed by 130 short pieces, historical or mythological for the most part, for translation into **Continuous Latin**. The exercises and the Pieces for translation are all freely supplied with references to the **Syntax**, which it is hoped may thus be absorbed in use. Many of them have already been practically tested in class teaching, and all of them were written in Latin before the English took its final shape.

LATIN ELEGIAIC VERSE COMPOSITION.

By ROY MELDRUM, Assistant Master at St. Paul's School. 5s. This book of 208 pieces puts into practice the use of Latin Repetition. The selection of Latin and English passages has one common theme, so that the pupil may have a chance of collecting his thoughts to treat one theme adequately, and of becoming familiar with one set of words at a time, instead of passing hastily and in confusion from one set to another.

ELEMENTARY LATIN ELEGIAIC VERSE COMPOSITION.

By ROY MELDRUM. 2s. 6d. Latin Version to each of the above:—Latin Elegiac Key, 6s., postage 2d.; Elementary Key, 5s., postage 2d.

FRENCH.

By A. R. FLORIAN, Head Master of the Priory School, Shrewsbury.

FIRST FRENCH COURSE. 3s.

SECOND FRENCH COURSE. 3s.

FRENCH UNSEENS.

In Two Books. Junior, 1s. 6d.; Senior, 1s. 9d.

PASSAGES FOR TRANSLATION INTO FRENCH. In Two Books.

Junior, 1s. 6d. A Key, 5s. net, postage 2d.

Senior, 2s. A Key, 5s. net, postage 2d.

GRAMMAR OF MODERN FRENCH. 3s. 6d.

This deals with the French language as it is written to-day, and covers all the ground necessary for a good knowledge of French. The examples are mainly taken from modern authors, and their names are appended to the quotations.

ELEMENTARY GRAMMAR OF MODERN FRENCH. 2s. 6d.

This is an abridgment of the above Grammar suitable for pupils during their first three years of French.

FLORIAN'S FRENCH GRAMMATICAL READERS.

Series A. With *Vocabularies*, 2s. each:—*Le Blocus*, par Erckmann-Chatrian. *L'Évasion d'Edmond Dantès*, par Alex. Dumas. *L'Homme à l'Oreille Cassée*, par Edmond About.

Series B. Without *Vocabularies*, 2s. each; or with *Vocabularies*, 2s. 6d. each. *Nouvelles Gênoises*, par Rodolphe Töpffer. *Le Capitaine Pamphile*, par Alexandre Dumas. *Contes Choisis*.

POESIES, FABLES ET CHANSONS FOR REPETITION.

With Notes, Exercises and Vocabulary for use in Lower and Middle Forms. Edited by BASIL READMAN, Assistant Master at Eton College. 4s. 6d. [In September.]

SENTENCES FOR TRANSLATION INTO FRENCH, ILLUSTRATING GRAMMATICAL RULES.

For Middle and Upper Forms. By A. W. STREET and ARNOLD LEE, Modern Language Masters in King Edward's High School, Birmingham. 2s. 6d.

Adjectives—Their position and comparison—Adverbs—Pronouns—Agreement of Past Participle—Reflexive and other Verbs—Use and omission of the Articles—Uses of *devoir*—Subjunctives—Verbs—Prepositions—Uses of Tenses—Inversion of Subject—Comparative Sentences—Active Voice in French for English passive—Verbs followed by a Preposition—Miscellaneous Sentences.

By F. VICTOR MASSARD, Senior French Master of Hamilton Academy, N.B.

ELEMENTARY FRENCH COMPOSITION, according to the New or Direct Method. 3s.

A Key, 5s. net, postage 2d.

A FRENCH COMPOSITION BOOK According to the same Method. 3s.

A Key, 5s. net, postage 2d.

MASSARD'S FRENCH READERS According to the same Method.

JUNIOR SERIES. With separate Vocab., 2s.

La Mare au Diable, par George Sand. *Quatre Contes*, par Prosper Mérimée. *Lettres de Mon Moulin*, par Alphonse Daudet. *Deux Contes—Pierre et Camille et Croisille*, par Alfred de Musset.

SENIOR SERIES. No Vocabularies, 2s. 6d. each. *Bug-Jargal*, par Victor Hugo. *Pêcheur d'Islande*, par Pierre Loti. *Colomba*, par Prosper Mérimée. *Le Roi des Montagnes*, par Edmond About.

A FRENCH GRAMMAR.

For pupils who have been studying French for two or three years. By F. VICTOR MASSARD, and CHARLES DURNO, Assistant Master at Hamilton Academy. 4s.

A FRENCH EXERCISE BOOK, forming a companion volume to the above Grammar. By the same authors. 2s. 6d.

HISTORY.

By W. S. ROBINSON.

THE STORY OF ENGLAND.

A History for Junior Forms. In Four Parts or Two Vols. Part I, From Early Times to 1272, 2s. 6d.; Part II, 1272 to 1603, 2s. 6d. Parts I and II in One Vol., 4s. Part III, 1603 to 1760, 2s. 6d. Part IV, 1760 to 1910, 3s. Parts III and IV in One Vol., 4s. 6d.

A SHORT BRITISH HISTORY.

One Vol., 3s. Or Two Periods:—Period I, To Elizabeth, 1603, 1s. 6d. Period II, To George V, 1914, 1s. 9d.

AN ILLUSTRATED HISTORY OF ENGLAND. For Middle Forms.

One Vol., 4s. Or Two Periods, 2s. 6d. each:—Period I, To end of Commonwealth, 1660. Period II, To George V, 1914.

By ARTHUR D. INNES.

A HISTORY OF ENGLAND AND THE BRITISH EMPIRE.

In Four Vols. 6s. 6d. each. Vol. I, before the English came, to 1485. Vol. II, 1485–1688. Vol. III, 1689–1802. Vol. IV, 1802–1914.

A SKETCH OF GENERAL POLITICAL HISTORY FROM THE EARLIEST TIMES.

One Vol., 4s. 6d. Or Two Parts, 2s. 6d. each.

AN OUTLINE OF BRITISH HISTORY.

One Vol. 5s., or in Two Parts:—Part I, Earliest times to 1763. 3s. Part II, 1760–1910. 2s. 6d.

JUNIOR BRITISH HISTORY.

One Vol. 3s. Or in Three Periods:—Period I.—To 1485. 1s. Period II.—1485–1688. 1s. 3d. Period III.—1688–1910. 1s. 6d.

BRITISH HISTORY. From the Earliest Times to the Present Day.

By L. CECIL SMITH. Modern History Master at St. Paul's School. One Vol., 6s. Or Two Periods:—Period I, To 1485, 3s.; Period II, To 1914, 4s.

A CLASS BOOK OF ENGLISH HISTORY.

For the use of Middle and Upper Forms of Schools. By ARTHUR HASSALL. One Vol., 4s. 6d. Or Two Parts: Part I, 449–1603, 2s. 6d.; Part II, 1603–1910, 2s. 6d.

AN ELEMENTARY HISTORY OF ENGLAND.

For the Lower Forms of Schools. By Professor CYRIL RANSOME. With Maps and Plans. One Vol. 2s. Or in three parts, 9d. each:—Part I, to 1485; Part II, 1486–1688; Part III, 1689–1914.

AN ADVANCED HISTORY OF ENGLAND.

By Professor CYRIL RANSOME. One Vol., 8s. 6d. Or Two Periods: Period I, to Elizabeth, 1603, 4s. 6d.; Period II, to George V, 1914, 4s. 6d.

NOTES ON BRITISH HISTORY.

By WILLIAM EDWARDS, Head Master of the Middlesbrough High School. Part I, to 1485, 2s. 6d.; Part II, 1485–1660, 2s. 6d.; Part III, 1660–1783, 2s. 6d.; Part IV, 1783–1901, 5s. Parts I–IV, in One Vol., 12s. 6d.

JUNIOR BRITISH HISTORY NOTES.

By the same author. Part I, B.C. 55 to A.D. 1485, 1s. 3d.; Part II, 1485 to 1660, 1s. 3d.; Part III, 1660 to 1783, 1s. 3d.; Part IV, 1783 to 1901, 2s. 6d.

THE NEW TESTAMENT FOR SCHOOLS.

The Text of the Revised Version, with Introductions and Notes and Maps to each volume. Edited by the Rev. A. R. WHITHAM, Principal of Culham College, and Examining Chaplain to the Bishop of Oxford and Primus of Scotland.

St. Matthew's Gospel. 3s.

St. Mark's Gospel. 2s. 6d.

St. Luke's Gospel. 3s.

The Acts of the Apostles.

One Vol. 3s. 6d. Or Two Parts:—

Part I, Chaps. i–xv, 2s.

Part II, Chaps. xvi–end, 2s.

CONTENTS.

	PAGE
OCCASIONAL NOTES	435
EDUCATION IN THE ARMY	438
AGRICULTURAL EDUCATION AND SECONDARY SCHOOLS.	
By C. W. H. GREAVES... ..	439
HEAD MISTRESSES IN CONFERENCE. By EDITH M.	
BANCROFT	440
PERSONAL PARAGRAPHS	442
TOPICS AND EVENTS	446
CORRESPONDENCE	450
THE WORKS SCHOOL AND ITS PLACE IN OUR EDUCATIONAL SYSTEM. By REGINALD W. FERGUSON ...	453
FOREIGN AND DOMINION NOTES	455
UNIVERSITIES AND SCHOOLS	457
BOOKS OF THE MONTH	462
PRIZE COMPETITIONS	472
REVIEWS AND MINOR NOTICES	487
Music and Imagination: Educating by Story-telling (Cather); Problems of National Education (Clarke); The Reign of Henry the Fifth, Vol. II (Wyllie); The Greek Theatre and its Drama; A New School in Belgium (de Vasconcellos); Outdoor School Work (Feasey); &c.	
PRIMARY SCHOOL NOTES	496

OCCASIONAL NOTES.

THE crossing of the Atlantic by American sea-plane and British aeroplane should set all teachers of applied geography thinking. The old division of methods

Across the Atlantic
by Air.

of transport into roads and canals, railways and steamers, with latterly a half-humorous appendix on air, is out of date. Whether the Atlantic, or any other ocean, be crossed directly in sixteen hours, or by island stages in twice as long, is immaterial. The job has been done, and there is no shadow of doubt will be improved upon. It is but a few years ago that the quidnuncs were sorely agitated at the possible supersession of our London-Bombay mail route by the German Bagdad Railway, and were arguing that our possible best time might be reduced to eleven and a-half days, while the Constantinople-Basra-Karachi route would only take ten days. General Salmond has taught us that, reckoning the flight at one hundred miles an hour, it can be done in *twenty hours* by the shortest route, and only fifty hours by the present Egypt-Mesopotamia air line. Many difficulties, of course, have to be surmounted. In over-sea passages, for instance, there is the question of navigation. N.C.4, ably as she was "navigated," ran into fog on her way to the Azores, and, having to depend on dead reckoning, found she was 45 miles out in 170 miles. Nor will it be a paying proposition always to safeguard the commercial air boat of the future with relays of route-marking vessels. Again, overland air journeys will be fraught with diplomatic difficulties—at any rate, for a time. One conclusion is certain—and we can neglect for the time being such problems as the erection of suitable landing-places, the making of air-maps, the use of wireless telephony, the introduction of vertical beams from light-houses (these will all come)—and that is, a great

"speeding-up" of transport and human communication is at hand. The longer the distance the greater is the gain of the air-vessel over other means of transport. No place on earth is farther than five days from London at eighty miles an hour.

THE result of the fight in Convocation at Oxford over the "compulsory Greek" was nominally a victory for the Conservative party, but practically a majority of six in a house of 618 means that the days of Greek as a *corvée* are over. Even the Hellenist party—all except a few "die-hards"—are pledged to the policy of

relieving at least students of mathematics and science from the need of cramming up Xenophon for Responsions. The only question that remains to be settled is whether this policy, or the bolder and larger view embodied in the proposal rejected on June 17, is to prevail. Prof. Gilbert Murray and others wish still to preserve Greek as the necessary basis for all humane studies, including presumably not only history, but also modern languages and law. We cannot ourselves see that any substantial benefit is to be derived by any one from a study of Greek which is never carried beyond the rudiments exacted in a University entrance examination. Through the speeches in favour of compulsion ran the same fallacy, that an acquaintance with such beggarly rudiments is a real initiation into the life and thought of Greece. Of the opinion of the teaching profession there can be no doubt. The charter of liberty was carried in Congregation by a majority of four to one, and the Associations of Head Masters and Assistant Masters have pronounced against the present system repeatedly. The speech of the Master of Marlborough was welcome, for he told Convocation the truth, that the exaction of Greek in Responsions has not helped to keep Greek alive in secondary schools. Greek has lived, and Greek will continue to live, as a study because there are a certain number of minds to whom Greek literature and art appeal with irresistible force, and if ever it becomes extinct as a study it will be because the world has ceased to need it.

A PART from the important changes relating to the constitution of governing bodies, and a few minor alterations, the new regulations are identical with those in force for 1918-19. The alterations made in Articles 23 and 24 place denominational secondary schools on much the same footing as denominational elementary schools. The provision in the old regulations that for schools to be eligible for grants the trust deed must not require the majority of the governing body to belong, or not to belong, to any particular religious denomination, is deleted in the new. Similarly, the declaration that the trust deed must not provide for the appointment of the majority of the governing body by an appointing authority required to belong to, or not to belong to, any particular denomination no longer appears. For the future, too, there need be no majority of representative governors if at least one-third of the total number of governors are appointed by the Part II Authority. The Board are satisfied that the changes will cause no diminution of the control of Local Education Authorities over public education in their areas, and are confident

Secondary School
Regulations,
1919.

that the balance of public advantage lies on the side of opening the entrance to the system of State-aided schools to a larger number of efficient secondary schools. The former regulation, sanctioning a lower standard of secondary school life in rural areas, is abolished, and no school will be recognized unless an adequate proportion of the pupils remain at least four years in the school and up to and beyond the age of sixteen.

THE Report of the Board of Education for 1917-1918 (Cmd. 165) begins in a style as unlike the ordinary Blue book as it is possible to imagine. We welcome the change. From the first paragraph we quote: "Victory has come to us, and now we are facing the momentous issues of Peace. The tension and suffering of the War have revealed many things which we had forgotten or to which we were indifferent, and we now know that the shattered temple of Peace has to be rebuilt more nobly and the fabric of society has to be reconstructed upon more generous lines. The task requires no less discipline, no less resolution, no less patience, than were needed to defeat our enemies." The second paragraph continues: "In the work of reconstruction, in the realization of our hopes and aspirations for better living, the influence of education is the most fundamental, the most fruitful, the most permanent. . . . The hard discipline of the War has taught the nation to recognize how great is the debt which it owes to its schools and to those who teach in them; how vital are their services in shaping the national character, which is the foundation of our welfare and security; how imperative it is that the public system of education should be generous and comprehensive." We need quote no further to convince teachers that here at least is an official report on education which is interesting and emphatically one to be read.

THREE recently published memoranda prepared by the Labour Party's Advisory Committee on Education deserve the careful attention of students of education. The booklet, which can be obtained from 33 Eccleston Square, S.W.1, price 7d., makes it very clear that the responsible leaders of the Labour Party will do all they can to secure what they consider to be the best kind of "continued education" under the new Education Act. The primary object of the new continuation schools should not be, the Committee wisely insist, to impart specialized industrial or commercial training, but to give boys and girls a general education similar in character to that provided by secondary schools, to develop their physique and character, and to prepare them for the responsibilities and problems of adult life. The number of students per class in the new schools must not, the pamphlet tells us, be more than twenty-five, and the remuneration of the continuation-school teachers must be at least equal to that of teachers in secondary schools, and the teachers must be secured adequate leisure. All believers in education will sympathize sincerely with demands such as these, but unfortunately the memoranda do not explain how a sufficient number of suitable teachers is to be secured in view of the present shortage of teachers in existing schools of all grades. Where the money required to carry out the schemes described is to come from has yet to be made clear.

THE Board of Education have issued a memorandum on Advanced Courses (Circular 1112), which is useful as stating briefly the present position. The total number of courses so far approved is 239, of which 138 are in science and mathematics, 26 in classics, and 75 in modern studies. The articles of the 1919 Regulations for Secondary Schools that deal with the advanced courses are practically the same as in 1918, when an important change was made in the modern studies section, English taking the place of Latin as a main subject. As was to be expected, this led to a considerable increase of applications for the recognition of advanced courses, especially in English, French, and history, a combination likely to be most widely adopted. Work in the "Modern Humanities" is still to some extent a matter of groping and experimenting, and the memorandum gives much space to the course in modern studies. Partly, it is true, the statement is explanatory of changes made by the Board in the foreign languages considered admissible; but there are also sections that contain valuable directions which should prevent the sending in of crude and ill-considered schemes. The only point on which no guidance is vouchsafed is the exact meaning of "a modern language of Western Europe." Germany is presumably in Western Europe, "Central Europe" having disappeared. Is the phrase just a polite way of excluding Russian and the other Slavonic languages? The final chapter, on "Administrative and Financial Considerations," contains much that is of interest. The Board do not intend that any part of the advanced course grant shall be devoted to remission of fees or provision of maintenance allowances; it is mainly intended to increase the salaries of the responsible teachers, but part of the grant may also be spent on equipment. The question of transfer is dealt with at some length and with good judgment. The troublesome matter of the University Intermediate Examinations is touched upon in another part of the memorandum, and "the Board hope that an early solution of these . . . difficulties may be reached by consultation between the Examinations Council and the University Authorities concerned." That would indeed be a feather in the cap of the Examinations Council.

CONSIDERING the enormous number of teachers that will be required for working out the possibilities of the Education Act of 1918, the Board of Education's "List 170," giving statistics of recognized "intending teachers" for elementary schools, is not a reassuring document. The total number of entrants in England and Wales fell from 6,544 in 1916-7 to 6,260 in 1917-8. The figures for 1918-9 are not yet completed, but so far the Board can only report 5,867. Clearly something must be done to make the profession more attractive. Of course the tendency to improved salaries, and the passing of the Superannuation Act, which will in future influence parents faced with the problem of what to do with their boys and girls, have not affected the figures we have quoted. The immediate question is that of making the path to the teaching profession as smooth as the paths to competing occupations. This, we think, must always in the main be the task of the Local Authorities, because conditions differ so much in different areas. It is to be feared that many Local Authorities have not done their duty in this matter, and the Board do well to

supply figures which will enable those Authorities to judge whether they are doing their duty well or badly. In rural areas much good material has been lost by the too hasty destruction of the old pupil-teacher system. Probably, also, a good deal has been lost through the Board's rather pedantic regulations as to qualifications for admission to the training colleges.

SOME striking figures dealing with the recent growth in the number of pupils in State-aided secondary schools are contained in the last report of the Board of Education. The number of such schools is now 947, as compared with 943 in 1917-18, and the increase in the number of pupils in them for the year 1917-18 was 26,741. The increase for 1916-17 was 18,006, and for the two previous war years 9,272 and 8,980 respectively. In October, 1918, the number of new admissions to these secondary schools was five times as large as in October, 1913. This increase in numbers, together with the shortage of teachers, has resulted in considerable overcrowding. On October 1, 1917, there were 1,722 classes (in 532 schools), with more than the normal limit of 30 pupils, and 74 classes with more than 35 pupils. Side by side with this regrettable state of affairs, we find, in another part of the report, that there has been a marked decrease during the last three years in the number of men and women taking courses of secondary training in the colleges recognized by the Board. The number of men who completed such courses of training in 1914-15 was 25 in all the recognized training colleges of the country, and in 1917-18 the number had fallen to 4. The corresponding numbers for women were 212 and 108. It is not surprising to read in the report: "We have come to the conclusion that it is impossible to expect an adequate number of persons to take a year of training after completing their degree without some further financial assistance."

IT has been suggested that the Appointments Department of the Ministry of Labour might well be utilized to supplement the work of such bodies as the Future Career Association, and of the various Appointments Boards of the Universities, in bringing the boys who leave secondary schools into touch with employers, and in supplying them and their parents with sufficient information as to opportunities offered by the various professions to enable them to choose that for which they are best fitted. The Department was instituted to find posts for demobilized officers and men of good education, and has done, and is indeed still doing, excellent work. The machinery set up, and the vast amount of information already collected for this object, could, however, be equally well used to bridge the gap which undoubtedly exists between school and career. The success of any such scheme would to a great extent depend upon the goodwill and co-operation of the head masters of the schools concerned, for they, or men on their staffs appointed for the purpose, would almost necessarily be the intermediaries between the Department and its district organizations on the one hand, and the parent and boy on the other. Such a large proportion of the boys who leave our secondary schools take almost the first post that offers, simply because they have little knowledge of their own special aptitudes or of the direc-

tion in which their abilities would be best employed, that some form of co-ordinated effort seems needed. For this purpose, the Appointments Board appears to be most suitable.

THE Manchester Education Committee have given instructions for a new examination to be carried out in all the elementary schools, testing the work of every girl and boy between the ages of eleven and thirteen. The Director of Education recently published a survey of the educational needs of the city. In it he called attention to the importance of the eleventh birthday as a pivotal point in the educational history of every child. This new examination is by way of bringing every parent and every head teacher face to face with the significance of the issues which hinge upon that eleventh birthday. Each head teacher is instructed to examine each child between the ages of eleven and thirteen in English and arithmetic. The papers are set by a Committee of Teachers and are the same for all. There is also a *viva voce* test, and the school record is taken into account. The names of all those who earn above 50 per cent. in this examination are sent to the Director, and the parents are communicated with. They are informed that there is *prima facie* evidence that this child is fit to profit by higher education, and asked whether they are willing for him to take one of the examinations which open the door to the secondary school, a central school, or other place of higher education.

THIS scheme does not imply that there is in Manchester a new and more abundant provision already made for such upward mobility. Unfortunately there is not. But it does establish the principle that every child of this age has a right to be considered. Its work is to come up for review, and, if that work is good enough, the parents shall have definitely put before them the chances of higher training which open up. Hitherto there has been a considerable number of primary schools which have never sent forward any children for higher work; they seem never to have envisaged the possibility of it. The new move will, at any rate, broaden the basis of selection. It will do this immediately, and it will do much in the future to provide an increased flow in the stream of pupils going forward to higher work of all kinds as soon as the channels are opened out.

THE problem of the place of housecraft in the curriculum of secondary schools for girls is not as easy as the cheap journalist imagines. Its proper analogy is with military training for boys in school, especially as it has to be added to the subjects of a general education in preparation for careers. Girls nowadays all but universally expect to earn a living; they must pass the same examinations as boys, and often compete with them for the scanty number of University scholarships. If boys have to find time for compulsory military training during secondary-school life, no injustice will be done to the girl who has compulsory housecraft added to her curriculum. Many of us would say, however, that the proper time for both these specialized trainings was later—for the boy, if needed, at regular military age; for the girl when, as the wise article in the *Schoolmistress* of May 29

states, she "begins to think about marriage and a home of her own." The same article hits the nail on the head when it hopes for a time "when domestic work will be a skilled occupation which girls of good education may enter, as they joined the 'Waacs' or the 'Wrens' or the V.A.D.'s, without loss of social status." Then, and not till then, will the housecraft departments, established already in some secondary schools at the top, be crowded as the secretarial and commercial departments are. Such specialized housewifery courses at present lead to nothing practical: only the well-to-do girl can afford to enter them. No "free place" pupil is found there.

THERE are possibilities, however, for short courses in cookery, laundry, &c., given to girls of fourteen before the pressure of school certificate work comes along. The real difficulty—at least, in the north of England, where the custom of housework for women of all classes

The Parents' View.

has never been lost—is the objection of the parents. The father says: "No one can teach my girl better than that best of housewives, my wife." The mother says: "I don't care to pay fees for or have her spend time at school learning what I can teach her." All girls in secondary schools, especially nowadays, have to help with domestic work; they are absent or have excuses for lessons because so often there is no one else to do it. In other words, they learn at home, from their mothers: the proper place and the proper teacher. Girls can best learn how to manage a home *in* a home. What the school must do is to leave time for this, through holidays and the limitation of school activities, and to teach science, the foundation of housecraft, as of engineering and agriculture.

AMONG other interesting points in connexion with the teaching of science in schools, raised at the recent Conference arranged by the London County Council on the report of the Committee appointed by the Prime Minister to inquire into the position of natural science in the educational system of Great

Practical Work in the Teaching of Science.

Britain, was the question of the place and value of practical work in teaching science. Sir Joseph Thomson suggested that some of the time given to experimental work in the science classes of schools and colleges could be more profitably employed. It is important, of course, that all students of science should receive a sufficient training in manipulation, and become familiar with the methods of experiment, but teachers of science would do well to consider if enough of this necessary training could not be obtained by means of the practical work in any one subject. The amount of school time thus released would make possible the study of many more branches of science, for these could be taught by means of lectures illustrated by experimental demonstrations and supplemented by judicious reading. In this way it would be possible, for instance, to broaden and humanize the science work in our secondary schools, and especially to introduce boys and girls to the biological as well as to physical and chemical sciences.

UNDER the auspices of the Modern Language Association, Mr. E. Allison Peers will give a lecture at the College of Preceptors on July 5, at 3 p.m., on "Experience and Experiments in the Teaching of French Composition." All interested in modern languages are welcome without tickets.

EDUCATION IN THE ARMY.

"CEDUNT arma togae"; the schoolmaster's gown is on the way to cover, and protect, his khaki. When Kitchener laid low the Sudan Mahdi, he set about bringing his old enemies to school; his successor has gone one better, for the victorious army of these days is bringing itself to school. Very significant facts are presented in two official documents of recent issue. One is a pamphlet from the War Office on "Educational Training—Armies of Occupation," the other a report from one of H.M. Inspectors of Schools dealing with visits paid to two "Army Schools of Education," with criticisms and suggestions. The first of these two papers bears ample witness to the energy of Colonel Lord Gorell and Sir W. H. Hadow and their staff of "S.D. 8"; the second is a proof that their efforts are calling out with effect the right sort of "carry-on" spirit.

When fighting-time was over in the largest area of conflict, "Educational Scheme 50, Gen. No. 5332" was launched as a preliminary venture, and this, with its several successors, is superseded by the pamphlet first named. It is addressed to commanders of formations and their subordinates, combatants and non-combatants, instructing them how and why they are to arrange for the education of troops under their several commands. Military training and duties come first, as should be; but, that point secured, they are to see that "adequate facilities are provided for the attendance of men at classes." The general scheme bases itself solidly on national requirements, and claims its due place as part of the educational movement which found expression in Mr. Fisher's Act of 1918. We have great armies still in being, and we are not likely, within any measurable period, to be without fighting forces under discipline. The community of which the soldiers are a part is determined to have them not only intelligent soldiers, but intelligent citizens, and the curricula proposed are therefore very various and cover a good deal more ground than what is merely "vocational." There are six great units of organization: the armies at home; the forces in France and Flanders; the army of the Rhine; the force in Italy; the armies of the Middle East, Egypt, and Murmansk; the garrisons of the Crown Colonies and India.

In Great Britain and Ireland provision is made for co-operation with Local Education Authorities, with whom officers of the general staff are in close contact. Arrangements are made for instruction in subjects for which men have aptitude, and certificates are to be issued (on strictly supervised conditions, no doubt), some of which are provisionally to be accepted by Universities and other bodies as entitling to the privileges of matriculation or its equivalents.

It is an open secret that this endeavour to keep the fires of education burning in the new armies has its counterpart in a determined effort to raise the status of the fine body of men who have already been trained and are serving as army schoolmasters under old regulations. The army schoolmaster should certainly rank as a commissioned officer in his own right; but equally or even more important is the fact that it would be hard to overestimate the value of such a step in raising the status of schoolmasters over the whole country.

Of course it is easy for critics to look upon the scheme, necessarily vast and complex and dependent on imperfect machinery, as ambitious, and to call it too ambitious. If its agents and operatives are chosen inconsiderately, if its wheels are not generously oiled and scrupulously watched, then its ambition is a sin and it will fall as fell the angels. But with good men, sufficient funds, and scrupulous administration, it should achieve a high standard both as to numbers and results.

The report of H.M.I. on his visits to schools at Oxford and Cambridge where emergency teachers are being trained as army instructors is a satisfactory proof that the Staff Duties Directorate know that the first requisite of success is the provision of capable teachers. The courses given can be but short; the intending teachers may or may not be to the manner

born; but the courses are intensive and the raw material seems to be on the whole well prepared, for the army to-day contains a large number of men whose general education has been above the average. It is well to have commendation from a competent authority of the zeal and intelligence shown in a difficult task. Already a considerable number of well known teachers have done, and some are still doing, solid work. There have been set-backs and disappointments. Some teachers, familiar with the ordered traditions and progress of which they themselves have been a part, have expected as much in the case of units "fresh from the protoplast." The hurry, the early organization, the inevitable inexperience of some of the first education officers appointed, the difficulties of administration, all these have undoubtedly led to much waste of effort, made all the worse by the chaos of demobilization. But there is enough to give good reason for looking hopefully to developments yet to come.

AGRICULTURAL EDUCATION AND SECONDARY SCHOOLS.

By C. W. H. GREAVES.

THE statement has been widely circulated in the daily and weekly press that the Government propose, subject to the approval of Parliament, to expend during the next five years about £2,000,000 on agricultural education and research. This is welcome evidence that "the powers that be" realize the urgent need of a national system of agricultural education, comprehensive and coherent, which shall furnish adequate scientific and technical training for land workers of all types and grades, and provide for more extensive research in connexion with the many difficult problems confronting the practical agriculturist.

It is estimated that at present there are probably not more than forty trained men engaged on research in agricultural science. It is hoped to increase this number to one hundred and fifty during the next decade. Higher agricultural education is to be encouraged by liberal grants to existing colleges and to the agricultural departments of Universities, and it is hoped to bring the farmer into closer touch with these institutions by establishing more demonstration farms and by means of advisory work undertaken by the college staffs. This last proposal is highly important, for, although the attitude of practical agriculturists towards the colleges is becoming more sympathetic and appreciative, yet it must be admitted that many farmers regard them with indifference or distrust, and comparatively few send their sons to them.

Further, the Government proposals include greatly augmented financial assistance to the Local Education Authorities, many of whom have already in operation more or less comprehensive schemes; for each £1 expended by the L.E.A. the State is to contribute £2. It is expected that most of the counties will set up farm schools or institutes, the latter providing short courses for adult students of both sexes, and affording facilities for school teachers who wish to qualify in the rural subjects required in the continuation schools to be established under the Act of 1918.

In view of these far-reaching proposals, the recent publication by the Agricultural Education Association of their "Memorandum* on the Reconstruction of Agricultural Education in England and Wales," is most opportune.

This document is the outcome of the labours of a series of Committees set up in July, 1918, for the purpose of formulating their views. To each Committee was assigned the task of surveying a particular section of the field of inquiry. The

Association consists of members of the teaching, research, and advisory staffs of practically every agricultural college in Great Britain, of county agricultural organizers and instructors, together with others connected with public bodies in Ireland and the Colonies interested in agricultural education. Its Chairman is Prof. W. Somerville, of the School of Rural Economy, Oxford University.

The memorandum may therefore claim to be authoritative, as the considered opinion of a body of experts. As such it deserves careful study by all educationists. It may also claim to be comprehensive, dealing as it does—exhaustively in many cases—with such topics as Rural Continuation Schools, County Work (by lectures and practical demonstrations), Farm Institutes, Agricultural Colleges, University Courses and Degrees, Research, Advisory Work, Dairying, Horticulture (very properly regarded as a subject distinct from Agriculture), Poultry-keeping, and so on.

"But," the reader may inquire, "where does the secondary school come in?"

So far as the memorandum is concerned, it does not come in at all. In a concluding section on the "Fundamental Importance of Co-ordination in Agricultural Education," the following passage occurs:—"With regard to teaching work, proposals have been outlined for a graduated system of agricultural education starting in the continuation school or rural secondary school and passing through the farm school or institute to the higher college or University department. It is clear that the effectiveness of such a scheme will be seriously impaired unless specific provision for co-ordination be made to prevent overlapping of the work carried on at the various stages of instruction." Careful perusal of the memorandum, however, reveals no further reference to secondary schools, with the exception of the complaint that "the teaching of pure science in colleges appears to be still necessary, as secondary schools have not yet reached the stage of providing sufficient science teaching to dispense with the teaching of pure chemistry, botany, and physiology at technical institutions." After this, one may perhaps assume that the Association regarded the case of the secondary schools as hopeless, and therefore deleted all references thereto except the passages quoted!

A hint of the feeling of some of the Agricultural Association experts may be gathered from the section dealing with the rural continuation school:—"We are of opinion that for pupils between the ages of fourteen and sixteen years the courses should, as a rule, derive their vocational character rather by giving a rural bias to all the matters studied than by including specific technical instruction. We believe that pupils of the ages mentioned will derive most benefit from courses which aim at the development of the imagination, the general expansion of the mind, and the training of the faculties of observation and deduction; and we consider that, whether as the final education of the pupil or as a foundation for specialized instruction at a later stage, a course for the development of the intelligence is preferable to one designed chiefly for the imparting of technical information."

This is sound doctrine, and applicable equally to the secondary school of any type. If practised consistently it would go far to disarm those critics to whom the slightest suggestion of vocationalism is anathema. It is, of course, quite possible to make a school "vocational" without making it technical.

Whatever the critics may say, the secondary school with a rural bias has come to stay. The Grammar School at Shepton Mallet, Sexey's School at Blackford, and the Rural Secondary School at Knaresborough, have, amongst others, demonstrated the practicability of devising courses which are peculiarly suited to the needs of future agriculturists, and at the same time afford a sound general education not unsuitable for those destined for other work.

It is incumbent upon those responsible for secondary schools in rural and semi-rural districts, either as administrators or as teachers, to determine whether—and, if so, how—they are to be fitted into the new scheme. Otherwise it is not impossible that they may in several instances find themselves "left out in the cold." It is probable that in the near future the smaller counties should each possess at least one or two

* Obtainable from the Hon. Sec. of the Association, Harper-Adams, Agricultural College, Newport, Salop. Price 1s., post free.

secondary schools with a ruralized curriculum, while the larger counties might with advantage have several.

Having decided upon the ruralization of any particular school, or the establishment of a new school, the next business of the Authority will be to determine which of the two main types shall be adopted—namely, (a) the traditional "grammar" school plus an agricultural "side," or (b) the school whose whole curriculum has a bias, more or less pronounced.

With a head master who is himself an enthusiast for things pertaining to the land, and who has a properly qualified man at the head of the "side," the former type is capable of rendering efficient service, as is shown by several existing schools. But there is considerable risk, where conditions are less favourable, that the agricultural side may become a dumping ground for dullards, or at best afford a "soft option" for the indolent.

The trend of opinion appears to be towards the second type. It is pretty generally agreed that the actual teaching of agriculture does not lie in the province of the secondary school, the place for this being the farm institute or agricultural college. The necessary bias, which is both legitimate and desirable, may be given (1) by devoting more time than ordinarily to science, so that the pupils may take Nature study and biology throughout the school concurrently with physics or chemistry; (2) by making the mathematics more practical, paying much attention to mensuration and the rudiments of land surveying; (3) by arranging a course of woodwork of a special type; (4) by letting all pupils cultivate a garden plot; and (5) by the constant endeavour in teaching every subject to find points of contact with the actualities of rural life and industry. This last factor is the most important of all, and the one which makes the greatest demands upon the resources of the teacher. Indeed, the ideal man for the job is somewhat of a rarity.

HEAD MISTRESSES IN CONFERENCE, 1919.

By EDITH M. BANCROFT,
Chelmsford County High School.

EACH June sees the Association of Head Mistresses of Public Secondary Schools gathered in Council, and the early summer sunshine which on this occasion streamed through the lofty windows of the hall of King Edward's High School at Birmingham has for forty-five years fallen on a similar scene. Yet it is no idle fancy which enables one clearly to discern an individual note which marks each Conference as a thing apart from others.

In 1917, at St. Paul's School in London, on the threshold of new educational developments, we were vividly conscious of ourselves as teachers, members of a great profession, whose work was about to receive a new stimulus and inspiration from the enlightened policy of a great reformer in educational legislation. Last year the circle widened, the civic idea dominated our discussions. Education was the training of citizens-to-be, and the community life of school was a many-sided preparation for life in the wider community of the nation.

This year in Birmingham, where the civic tradition is renowned and strong, we were conscious of a yet further widened circle. In the presidential address, in discussions diverse in theme and nature, again and again, for a brief moment, we saw our work unobscured by its multifarious detail as—to quote the President's words—"a minute fraction of a great and noble task; that of the reconciliation of men"; and we were the more inspired for our work as teachers in our profession, as citizens in the State, because of its relation to the wider brotherhood of man. This note of co-operative effort sounded strongly and recurrently throughout the hours of the two days' deliberations.

The Conference opened with a brief glance of retrospect at the year which had brought the cessation of fighting, and had placed the Education Act and the School Teachers' Super-

annuation Act upon the Statute Book; and a resolution of congratulation was forwarded to the President of the Board of Education. But the past ever leads to the present, and discussion rapidly arose upon the problems pressing for solution. Reference was made to the work of important Standing Committees created by the President to deal with questions of new urgency: notably that of the Education Sub-Committee appointed to consider educational principles, to collect information, and to investigate experiments and results of educational research. The insistence of some present problems was made appallingly clear in the discussions opened by Miss Barratt on the need for more secondary-school accommodation, by Miss Hiley on the lack of University provision for women, and by Miss Hewetson on the dearth of hostels and residential flats for professional women.

We heard of an increase of over 26,000 secondary-school pupils, while the increase of schools stood at four; of a London school where five vacancies received fifty applications. And Miss Hiley pleaded forcibly that in the world of to-day which calls for enlightened leadership, when women are summoned as pioneers into new vocations, when more than ever they need that power of seeing life whole which a University training can bestow, it is a grave matter that applications at the women's colleges far exceed the available accommodation (at Girton, for example, in the proportion of three to one). The copious and startling statistics furnished by Miss Hiley proved conclusively that, while the present demand is slightly influenced by conditions of a temporary nature, yet the lack of provision for the higher education of women is a matter towards which the attention of the State and the generosity of the public should be directed without delay.

Twelve months' interval had not effaced the profound impression left upon the minds of all those who heard the Presidential Address of last year's Conference, and, in consequence, the opportunity of hearing Miss Oldham again was eagerly anticipated. To attempt a summary would be to mutilate a noble thing. It is to be hoped that the inspiration of Miss Oldham's words will not be confined to the 260 silent listeners whose hearts were quickened as they heard, but that the paper, in its entirety, may be available for the thoughtful consideration of a wide circle. All that is possible is briefly to indicate its theme, but its wealth of suggestiveness and beauty must be the possession of those alone who were privileged to hear it.

Miss Oldham gave us hope and inspiration as she deciphered the signs of the times, hailed the breath of new life now stirring in civilization, and welcomed the changed outlook of men upon the world. Two portents she discerned as tokens of hope and promise: the desire in the popular mind for the amelioration of social conditions, for a life of ampler and nobler opportunities, and the trend towards a wider fellowship, a genuine brotherhood of nations.

Vital changes were at work, moreover, in education, changes in the thoughts of men with regard to its object, its content, its methods. No longer could education be conceived as a thing of academic isolation from the world, a building of ladders for the few. It was a part of social service, based on a reverence for human life, on respect for all that is good and true and beautiful; a spirit, not a curriculum. Its function was to prepare the young, by developing the powers of thought and sympathy, for the wider fellowship of the world.

As part of the content of education, Miss Oldham emphasized the need of training in the use of leisure, in the appreciation of the arts, and her words formed a fitting prelude to the interesting discussion introduced later by Miss Gwatkin, of Liverpool, and Miss Phillips, of Clifton High School. In urging the inclusion of music and drawing as duly recognized examination subjects for school certificates and as subjects for advanced work, both speakers pleaded for freedom in adjusting curricula to individuals, and for a just estimate of the value of the æsthetic side of education. Both papers were reasoned closely and forcibly, and, though the resolution they brought forward struck at the long established convention of English examinations in favour of purely in-

(Continued on page 442.)

University Correspondence College.

(FOUNDED IN 1887.)

Principal :

WILLIAM BRIGGS, LL.D., D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.



RESIDENT TUTORS ON THE REGULAR STAFF.

- | | |
|--|---|
| <p>C. W. C. BARLOW, M.A. Lond. and Camb., B.Sc. Lond. ; First Class Honours in Physics at B.Sc., Gold Medallist in Mathematics at M.A. Lond., First in First Class Mathematical Honours at B.A., 6th Wrangler in the Mathematical Tripos, First Class, First Div., in Part II; Joint Author of <i>Elementary Mathematical Astronomy</i>.</p> <p>H. W. BAUSOR, M.A. Camb., First Class in the Natural Sciences Tripos, First Class Honours in Chemistry at Inter. Science, London; Joint Author of <i>Chemistry for Matriculation</i>.</p> <p>A. S. BENSTEAD, B.A. Lond. and Camb., First Class Honours in English and French at B.A. London.</p> <p>J. BIRNBERG, B.A. Camb., First Class in the Mathematical Tripos, Parts I and II.</p> <p>P. V. COHN, B.A. Camb., First Class (First Division) in the Classical Tripos, Part I, First Class in the Historical Tripos, Part II.</p> <p>A. J. F. COLLINS, M.A. Oxon., First Class Honours at Moderations and at the Final Classical Examination.</p> <p>A. G. CRACKNELL, B.Sc. Lond., M.A. Camb., F.C.P., Science Director, 6th Wrangler in the Mathematical Tripos, Cambridge, First in Honours at London Matriculation; Author of <i>School Algebra, Junior Geometry, Practical Mathematics</i>.</p> <p>M. B. FINCH, M.A. Lond., First Class Honours in English and French at B.A., Distinction in French at M.A.; Joint Editor of <i>Victor Hugo's Hernani</i>.</p> <p>S. E. GOGGIN, M.A. Lond., Honourman in English at Inter. Arts and B.A.; Editor of <i>Shakespeare's Merchant of Venice, Hamlet, King Lear, Macbeth, Johnson's Life of Milton, Milton's Early Poems</i>.</p> <p>B. J. HAYES, M.A. Lond. and Camb., Vice-Principal, First in First Class Honours in Classics at Inter. Arts and B.A., Gold Medallist at M.A. Lond., First Class Honours in Classics, Cambridge; Author of <i>The Tutorial Latin Grammar, Matriculation Latin Course, Matriculation Latin Constructing Book</i>.</p> | <p>H. W. HILL, B.Sc. Lond., Honourman in Physics and Chemistry; qualified for the University Exhibition at Inter. Science.</p> <p>W. H. HILL, M.A. Lond. (English and French); Editor of <i>Spenser's Faerie Queene, Book I</i>.</p> <p>G. E. HOLLINGWORTH, M.A. Lond. (English), First Class Honours in English at B.A.</p> <p>G. F. PERROTT, M.A. Camb., 27th Wrangler.</p> <p>F. G. PLAISTOWE, M.A. Lond. and Camb., First Class Honourman in Classical Tripos, Parts I and II, late Fellow of Queens' College, Cambridge, First in First Class Latin Honours at Inter. Arts. Qualified for the University Scholarship in Classics at B.A. Lond., Gold Medallist at M.A.; Editor of <i>Horace's Epistles</i>.</p> <p>A. SAXELBYE, B.A. Lond., First Class Honours in Classics at B.A.</p> <p>J. F. STOUT, B.A. Camb., First Class Honourman in Classics; Editor of <i>Cicero pro S. Roscio, Tacitus' Germania</i>.</p> <p>E. A. WEBBER, M.A. Lond., Second on the M.A. List in Classics.</p> <p>A. R. WEEKES, M.A. Lond. (English), First Class Honours in English and French at B.A.; Editor of <i>Shakespeare's Tempest, Cymbeline, and As You Like It, Shelley's Adonais, Keats's Odes</i>.</p> <p>C. E. WRIGHT, B.Sc. Lond., First Class Honours in Mathematics at B.Sc., Drew Gold Medallist.</p> <p>A. J. WYATT, M.A. Lond. and Camb., First of his year in Branch IV (English and French), Teacher's Diploma, First with Distinction in English in Modern Languages Tripos, Cambridge; Author of <i>The Tutorial History of English Literature</i>; Editor of <i>Beowulf, Chaucer's Prologue, and Knight's Tale</i>.</p> <p>A. M. YOUNG, M.A. Lond. (German), First Class Honours in English and German at B.A.</p> |
|--|---|

Free Guides

TO

Matriculation, Intermediate Arts, Intermediate Science, B.A.,
B.Sc., Divinity, &c.,

Post Free to *Private Students* from THE SECRETARY, No. 14 Burlington House, Cambridge.

tellectual subjects, yet the preponderating vote in its support showed the conversion of the audience to a new point of view.

In touching upon methods of educational administration, Miss Oldham deprecated the too rigid division between the educational administrator and the teacher, especially in the case of women; and here again her words received, in another portion of the Conference, a supplement in the resolutions proposed by Miss Sparks, of Colston's Girls' School, Bristol, and Miss Coates, of Aigburth Vale. Here the subject for consideration was the suggestion of Whitley Councils in connexion with education. In a clear and able paper Miss Sparks dealt with the fundamental principles underlying these Councils, their applicability to the work of education, and suggestions as to the manner and purpose of their election; while Miss Coates dealt with the constitution of smaller Local Councils of the same character. Again the Conference, by an overwhelming majority, affirmed approval of this principle of constructive co-operation.

The closing words of the address emphasized once more the relation of the teacher to the great world for which she is preparing her pupils, and the need for an intelligent and sympathetic attitude towards its problems. The educational history of Japan and Germany had demonstrated the susceptibility of youth to an ideal impressed upon it by its teachers. Increased facilities afforded by legislative reform would increase also the teachers' responsibility, calling from them a full measure of strenuous service and a jealous guarding of spiritual and intellectual interests.

A generous share of the agenda was given to questions more purely academic in character and more closely related to the curriculum. Resolutions were passed urging the Government to put into effect the recommendations of the Committee on Modern Languages, and supporting the recommendations of the Science Report. Miss Howes Smith, in a paper on the preparation necessary for the many-sided work of a head mistress, conveyed much useful information and helpful counsel in witty and pungent phrase.

Miss Stoneman expressed the feeling of all when she tendered the thanks of the Conference to the President not only for the address to which they had just listened, but also for the wise statesmanship, the able counsels, the amazing record of public service, all of which have been Miss Oldham's gift to the Association and to the cause of education.

An account of the Birmingham Conference would indeed be incomplete without a reference to the gracious hospitality which we received as guests of the great city. As we separated for the long journeys homeward, we carried with us pleasant memories of the Lord Mayor's reception on Friday night in the fine Council Room and Art Gallery, of our visit to the beautiful Handsworth School, and of the warmth and kindness shown to us at King Edward's High School by the Head Mistress and her staff and members of the School.

It is pleasant to reflect that in Miss Major, our chief hostess of this year's Conference, we hail the President for the coming year.

SECONDARY SCHOOLS ASSOCIATION.—The twelfth annual report for 1918-1919 is very short. The steps to be taken, to enable secondary schools providing denominational instruction to obtain Government grants under the Regulations of the Board of Education and to be included in the National System of Education, have engaged the special attention of the Committee during the year. Early in the year arrangements were made to lay before the President of the Board of Education the views of the Association, and on January 29 Mr. Fisher received a deputation, which was introduced by Sir Philip Magnus, Bart., M.P., chairman of the Association. Mr. Fisher received the deputation sympathetically, and promised to give consideration to their representations. The School Teachers (Superannuation) Bill contains a provision suggested by an amendment of Sir Philip Magnus, enabling teachers of schools which are not grant-aided to be eligible, subject to conditions to be approved by the Board, to receive pensions under the Act. During the year under review five additional schools have joined the Association, bringing the membership to 137. The number of individual members remains as before.

PERSONAL PARAGRAPHS.

THE honour conferred on Dr. Michael Sadler by the King, on the occasion of His Majesty's birthday, will be welcomed by all interested in education. As Professor of Education at Manchester, as Vice-Chancellor of Leeds University, and as Chairman of the Calcutta University Commission, Dr. Sadler has rendered invaluable service to education, and, as a result of his earnest advocacy, the movement towards the more complete correlation of educational and imperial policies has been advanced greatly. The Birthday Honours List includes, among others, the following decorations:—K.C.S.I.: Dr. Michael E. Sadler, Chairman of Calcutta University Commission. Knights Bachelor: Dr. J. H. MacFarland, Chancellor of the University of Melbourne; Lt.-Col. H. A. Rose, D.S.O., ex-Chairman of the Edinburgh School Board, Chairman of the new Scottish Education Authority and Food Commissioner for the East of Scotland.

THE announcement that the King has been pleased to approve of the appointment of the Most Rev. Dr. J. H. Bernard, Archbishop of Dublin, to be Provost of Trinity College, Dublin, in succession to the late Sir J. P. Mahaffy, has been received with satisfaction in University and other circles. Dr. Bernard entered Trinity College in 1876; in 1879 he gained the first Science Scholarship; in the following year he graduated, winning the Mathematical Studentship, with large gold medals in ethics and logic; and in 1884 he was elected to a fellowship. From 1888 to 1911 he was Archbishop King's Lecturer in the Divinity School, and became Archbishop of Dublin in 1915. A scholar and a preacher, the new Provost is, in addition, a brilliant administrator, and he has in late years made many valuable contributions to the Church's work and progress. He is President of the Royal Irish Academy, and, as a member of the recent Irish Convention, he won the respect and confidence of all parties. With Dr. Bernard as Provost, Dublin University can rest assured that the far-reaching measures of academic reform, begun so well by Sir John Mahaffy, will be carried on to successful maturity.

THE resignation of Miss Florence Gadesden, Head Mistress of Blackheath High School since 1886, will leave a great gap in the educational world. Miss Gadesden has for many years taken an active part in public work connected with education. As President of the Head Mistresses' Association in 1907, she was one of the first to recommend publicly the adoption of the School Record as a partial substitute for the laborious examination system, and as a means of gauging a pupil's capacity as a whole. She was one of the promoters of the Federal Council of Associations of Secondary Schools, and the formation of the Teachers Registration Council was advanced considerably by her endeavours. Miss Gadesden will be remembered as a pioneer in educational reform no less than as one of our great head mistresses.

MR. PERCIVAL SHARP, Director of Education at Newcastle-on-Tyne, has been appointed Director of Education under the Sheffield Education Committee. Mr. Sharp has seen service as an assistant teacher in elementary and secondary schools, and he has been head master of an elementary school. Formerly Director of Education at St. Helens, he succeeded Mr. Spurley Hey at Newcastle in 1914. Mr. Sharp was a prominent member of the Departmental Committee which reported on Salaries in Secondary Schools and Institutions for Higher Education, and he has carried out with marked success many new experiments in educational administration at Newcastle.

MAJOR E. W. MAPLES, O.B.E., Assistant Secretary and Deputy Education Officer to the Middlesex Education Committee, has accepted the directorship of education under the Herefordshire Education Committee. A former pupil of

(Continued on page 444.)

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

SYNOPSIS of Ling's System of Physical Training.

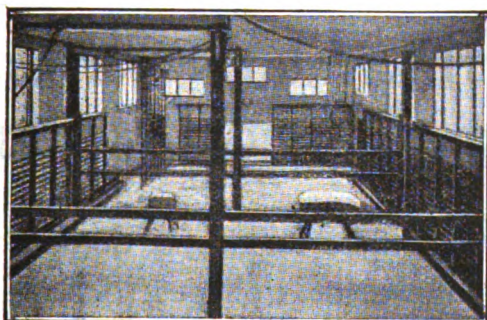
OLD GYMNASIA Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

PHOTOS Several Recent Secondary School and Welfare Outfits.

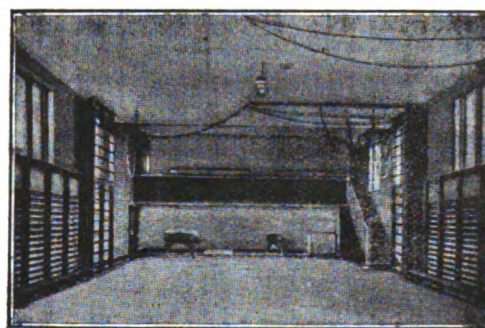
SCHOOL CLINICAL Plinths, Correction Belts, Head Suspension
APPARATUS Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium. 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S. H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12030.

Mansfield Grammar School, Mr. Maples received his further education at Selwyn College, Cambridge, and Trinity College, Dublin. He is a barrister-at-law of Gray's Inn, and has been an assistant master at Limsfield School and head master of Ealing Secondary School (1897-1904). He was appointed under the Middlesex Authority in 1904, and on the outbreak of war obtained a commission as captain. Subsequently he was promoted major and second in command of a battalion of the New Army.

* * *

MR. C. F. MOTT, the acting director for higher education in Staffordshire, has been appointed director of education under the Cheshire Education Authority. The Staffordshire Education Committee have placed on record their great appreciation of the services rendered to the county by Mr. Mott since he took up the duties of assistant secretary for higher education in 1911, and especially of his invaluable work during the absence of the director in France on national service. Mr. F. A. Hughes, late of Wellington College, who was appointed junior assistant secretary for higher education in January last, is to carry on Mr. Mott's work in Staffordshire for the present.

* * *

THE Governing Body of Fettes Trust have appointed Major A. H. Ashcroft to the Head Mastership of Fettes College, in succession to the Rev. Dr. Heard, who retires at the end of this term after twenty-nine years' tenure. Mr. Ashcroft was educated at Birkenhead School, where he was head of the school and captain of the cricket and football teams. He went to Cambridge with an Open Classical Scholarship at Gonville and Caius College, and obtained First Classes in the First Part of the Classical Tripos and the Second Part of the Historical Tripos. From 1910 to the outbreak of war he was an assistant master at Fettes, when he obtained a commission in the Army. He has seen active service in Gallipoli, Egypt, and France, and became second

in command of his battalion. He was three times mentioned in dispatches, and was awarded the D.S.O. and the Order of the Crown of Italy. He has represented England and Cambridge University at Rugby, 1908-9.

* * *

MR. W. ST. BODFAN GRIFFITH is to succeed Mr. Glynne Williams, who retires from the Head Mastership of Friars' School, Bangor, at the end of this term. Mr. Griffith took a First Class in each part of the Natural Science Tripos, and he has held a mastership at Uppingham for the last thirteen years.

* * *

MR. A. J. B. GREEN, Assistant Master at Perse School, Cambridge, has been appointed Head Master of Guildford Grammar School. Mr. Green was educated at the Roan School, Greenwich, and Jesus College, Oxford. He took a First Class in the Modern History School, and has been on the staff of the Perse School since 1907.

* * *

THE REV. H. COSTLEY-WHITE, Head Master of Liverpool College since 1917, has been appointed Head Master of Westminster School in succession to the Rev. Dr. Gow, who retires at the end of the present term. Mr. Costley-White was educated at Malvern College and Balliol College, Oxford. He gained a First Class in Classical Moderations and Second Class Final Honours Lit. Hum. His experience has been gained as an assistant master, first at Sherborne and afterwards at Rugby. He was Head of Bradfield from 1910 to 1914.

* * *

THE death is announced of Miss E. M. Creak, formerly Head Mistress of King Edward's High School for Girls, Birmingham, and previously Head Mistress of the Girls' High School, Brighton. Miss Creak was among the first five students at Newnham College, and took her degree

(Continued on page 446.)

I am receiving numerous inquiries from parents in England, and also from abroad, for Schools or Homes for the Summer Holidays. I should be much obliged if Principals, and others, receiving Boys and Girls for the Vacation, would write me at once with full particulars.

Mr. J. H. PATON, EDUCATIONAL AGENT,

Telephone: 143 Cannon Street,
CENTRAL 5053. London, E.C.4.

JAMES GRAY LTD.

HEATING ENGINEERS,

DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone:
Western 201.

Telegrams:
Gray 201 Western London.

Mr. EDWARD ARNOLD'S LIST.

TWO NEW BOOKS JUST PUBLISHED.

ENGLISH NARRATIVE POEMS.

With Introduction by Sir HENRY NEWBOLT,
D.Lit. 2s. 6d.

FIRST LESSONS IN FRENCH.

By M. BAGULEY. With numerous Illustrations. 2s. 6d.

ENGLISH.

Laureata and the Poet's Realm. Two famous collections of Poetry for Schools. 2s. 3d. each Vol.

Selections from English Literature. Edited by ELIZABETH LEE. In four books, carefully graduated. Illustrated. Books I and II, each 256 pages, 2s. 6d. Books III and IV, each 320 pages, 3s.

Epochs of English Literature. By J. C. STOBART, M.A., formerly Lecturer in Ancient History at Trinity College, Cambridge. In 9 vols., 2s. 6d. each. I, The Chaucer Epoch, 1215-1500. II, The Spenser Epoch, 1500-1600. III, The Shakespeare Epoch, 1600-1625. IV, The Milton Epoch, 1625-1674. V, The Dryden Epoch, 1660-1700. VI, The Pope Epoch, 1700-1750. VII, The Johnson Epoch, 1742-1798. VIII, The Wordsworth Epoch, 1798-1830. IX, The Tennyson Epoch, 1830 to present day.

A First Course in English Literature. By RICHARD WILSON, LL.D. 1s. 8d.

In this book the author has selected about fifty great writers and describes their works in a simple manner.

A First Course in English Analysis and Grammar. By RICHARD WILSON, LL.D. Cloth, 1s. 8d.

Arnold's Junior English Composition. 1s. 8d.

Kenny's Composition from English Models. Book I, 1s. 8d. Book II, 2s. 6d.

Essay Writing. By G. KENDALL, M.A. 2s. 6d.

Précis Writing and Reproduction. By W. J. GRIFFITH, M.A. 3s.

English Verse Composition. By A. E. ROBERTS, M.A., and A. PRATT, B.A. 3s.

A Short History of English Literature. By C. E. BAINES, M.A. 400 pages, cloth, 6s.

Covers the entire history of English Literature to the close of the Victorian Age. Very concise and accurate, but lucid and simple.

Grammatical English. By F. W. G. FOAT, D.Lit., M.A., Lecturer in English at the City of London College, and Assistant Master in the City of London School. 4s. 6d.

HISTORY and GEOGRAPHY.

A Social and Industrial History of England. By Dr. F. W. TICKNER, D.Lit., M.A., B.Sc. (Econ.) London. Illustrated, 7s. 6d. Also in Three Parts, 3s. each.

A History of England. By Prof. C. W. OMAN, M.P. 760 pages, 7s. 6d. In Two Parts, 4s. 6d. each: Part I, from the Earliest Times to 1603; Part II, from 1603 to 1902. In Three Divisions: Division I, to 1307, 2s. 6d.; Division II, 1307-1688, 3s. 6d.; Division III, 1688 to 1902, 4s.

A Junior History of England. By C. W. OMAN, M.P., and MARY OMAN. 3s. 6d.

Arnold's Florin English History. By C. E. M. HAWKESWORTH, M.A. 2s.

Outlines of European History, 1814-1914. By G. BURRELL SMITH, M.A., Assistant Master at the Royal Naval College, Dartmouth. With Maps. 3s. 6d.

Scenes from European History. By G. B. SMITH, M.A. 2s. 6d.

The Last Century in Europe, 1814-1910. By C. E. M. HAWKESWORTH. 7s. 6d. net.

A General History of the World. By OSCAR BROWNING. 700 pages. 7s. 6d. net. Also in Three Parts with separate indexes, 3s. 6d. net each. Part I, Ancient History; Part II, Medieval History; Part III, Modern History.

A Class Book of Geography. By A. W. ANDREWS, M.A., F.R.G.S. Cloth, 7s. 6d. A systematic text-book for Upper Forms, based on the study of Physical features. Interesting Original Diagrams are freely employed.

Arnold's Junior Geography. By W. M. CAREY, M.A., B.Sc. Cloth, 1s. 8d.

Outlines of Physiography. By the late Prof. A. J. HERBERTSON. Fully illustrated. 4s.

MODERN LANGUAGES.

Arnold's Modern French Course. By H. L. HUTTON, M.A. Book I, 2s. 6d.; Book II, 3s.

Grammaire Française. A l'Usage des Anglais. Par E. RENAULT, Officier d'Académie; Lecturer in French at the University of Liverpool. 5s.

Petite Grammaire Française. By E. RENAULT. 2s.

Exercises in French Grammar. By E. RENAULT. 2s.

Junior French Reader. By E. RENAULT. 2s.

French à la Française. By Lady BELL and Mrs. TREVELYAN. Cleverly illustrated. Book I, 10d.; II and III, 1s. each.

Poèmes Choisis. A Book of French Poetry. Selected and Edited by R. L. A. DU PONTET, M.A. 2s. 6d.

Arnold's Modern German Course. By Dr. F. W. WILSON. 3s. 6d.

First German Prose Composition. By Dr. F. W. WILSON. 2s.

Second German Prose Composition. By Dr. F. W. WILSON.

A First Spanish Book. By the Rev. H. J. CHAYTOR, M.A., Head Master of Plymouth College. With Exercises and Full Vocabulary. 3s.

LATIN.

Arnold's New Latin Course. By R. M. ALLARDYCE, M.A., In Two Parts. Part I, 2s.; Part II, 3s.

A First Latin Course. By G. B. GARDINER, M.A., D.Sc., and A. GARDINER, M.A. 3s.

A Second Latin Reader. By G. B. GARDINER, M.A., D.Sc., and A. GARDINER, M.A. 2s. 6d.

Latin Prose Composition. By W. R. HARDIE, M.A., late Professor of Humanity in the University of Edinburgh. 5s.

Dies Romani. A Latin Reading Book. Edited by W. F. WITTON, M.A. 2s.

Mirabilia. By C. D. OLIVE, M.A. 2s.

Livy. Book XXVI. Edited by R. M. HENRY, M.A., Professor of Latin at Queen's University, Belfast. 3s.

SCIENCE and MATHEMATICS.

A Textbook of Physics. By R. S. WILLOWS, M.A. (Camb.), D.Sc. (Lond.), late Head of the Department of Mathematics and Physics at Sir John Cass Technical Institute. Second Edition, with additional Chapters on Mechanics. 9s. net.

Inorganic Chemistry for Schools. By W. M. HOOTON, M.A. 5s.

Elements of Inorganic Chemistry. By the late W. A. SHENSTONE, F.R.S. 6s. 6d.

Outlines of Inorganic Chemistry. By Dr. E. B. LUDLAM. 5s.

Mechanics. By W. D. EGGAR, M.A. 4s.

Electricity and Magnetism. By C. E. ASHFORD, M.A., Head Master of the Royal Naval College, Dartmouth. 4s. 6d.

Elements of Geometry. By Dr. R. LACHLAN and W. C. FLETCHER, H.M.I. 3s. 6d.

Practical Trigonometry. By H. C. PLAYNE, M.A., and R. C. FAWCETT, M.A. 3s.

A School Arithmetic. By A. C. JONES, Ph.D., and P. H. WYKES, M.A. 5s. 6d. Parts I-III, 2s. 6d. each.

Exercises in Arithmetic. By C. M. TAYLOR. Parts I-III, 1s. 6d. each, without Answers; 2s. each, with Answers.

The Inductive Arithmetic. By E. SANKEY. Pupils' Books, I-III, 4d. each; IV, V, VI, VII, 6d. each. Class Teachers' Books, with Answers, Notes on Method, and Oral Exercises. Books I and II, 1s. 6d. each; IV-VII, 2s. each.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

with double honours in classics and mathematics at the early age of nineteen years. In the education of girls Miss Creak anticipated, and put into practice at King Edward's School, innovations which are now advocated almost universally by educational bodies. She combined domestic training with a high-school education, reduced the school examinations to the two definite types, "general" and "specializing," introduced the teaching of the laws of health, and postponed the public examinations until after the age of sixteen. She was essentially a pioneer, and to few pioneers has it been given so abundantly to see their principles universally vindicated. ONLOOKER.

TOPICS AND EVENTS.

THE OXFORD SUMMER SCHOOL OF EDUCATION.—The School will be held from August 6 to September 2 inclusive. It will provide a course of lectures on the teaching of school subjects and on the aims and social bearing of education. In each week lectures are given and conferences held on the detailed methods of special subjects. These subjects are throughout considered with reference to their place in a general scheme of education, and a series of lectures on educational theory and on new experiments in school organization runs through the course; it is thus equally suited to specialists and to those who wish for an introduction to the scientific study of education. The school subjects are treated in the following order:—August 6-12, History and Geography; August 13-19, Mathematics and Science; August 20-26, Latin and French; August 27-September 2, English. Entry forms can be procured from the Secretary, Secondary Training Delegacy, Old Clarendon Building, Broad Street, Oxford, and must be sent to him with fee as soon as possible, and in any case before the beginning of the Course. Students should state during which weeks of the Course they propose to attend. The Director of the School is the University Reader in Education, Dr. M. W. Keatinge, 40 St. Margaret's Road, Oxford. The place of the lectures and conferences will be the Hall of St. John's College.

SELBORNE SOCIETY RAMBLES.—The Ramble Section of the Selborne Society has arranged a number of excursions for July. On the 2nd and 9th there will be visits to the General Post Office to see the sorting of the night mails; on the 5th "Father Thames and his Bridges" will be visited; and on the 12th there will be a whole day visit to Horsham and Christ's Hospital. Full particulars may be obtained from the Secretary, Mr. P. J. Ashton, 83 Avenue Chambers, Vernon Place, W.C.1.

COMMERCIAL EDUCATION.—The annual presentation of scholarships, medals, and prizes to the successful students, competitors in the Commercial Education Examinations of the London Chamber of Commerce, will take place at the Mansion House on July 18 at 3 p.m. Sir Robert Horne, K.B.E., Minister of Labour, will present the awards.

SUMMER SCHOOL IN SNOWDONIA.—The programme of the Summer School in Geography, Botany, and Geology, which is to be held at Llanberis from July 30 to August 13, has been designed to prepare teachers to take responsible charge of courses in the School Camps and Open-air Courses which will be developed under the new Education Act. Most of the work will be done in the Pass of Llanberis, by streams or tarns, or on the summit of Snowdon. The district is rich in instances of escarpments, faults of diagrammatic clearness, U-shaped and hanging valleys, river terraces and pot-holes, moraine dammed lakes, *roches moutonnées*, and perched blocks; while to the English teacher the district has all the interest of a foreign country. Visitors interested in the development of our water-power resources will be able to visit the generating station of the North Wales Power Company and the Marconi Trans-Atlantic Station. The arrangements are being made by Mr. H. Valentine Davis, of the Cheshire County Training College, Crewe.

SUMMER COURSES IN ENGLAND.—The Board of Education have issued, at the price of 2d. net, a conveniently arranged table of Summer Courses in England for instruction in various subjects to be held during the coming vacation. The table describes the character of the different courses, gives precise dates and fees, and

(Continued on page 448.)

PHILIPS' NEW ENGLISH BOOKS

By W. J. GLOVER

A Graduated Course of English Composition in Five Books for Primary and Secondary Schools

The whole scheme is *Concentric* in plan; the main points are taken up again and again, each time in greater detail and with fresh illustrations. Extracts are given of such striking yet simple beauty that *the pupil's imagination and style are bound to be affected. This is the actual result of trial.*

Books I and II, Crown 8vo, 8d. each. Books III and IV, Crown 8vo, 9d. each. — Book V, in preparation.

FOR BOYS AND GIRLS FROM 9 YEARS OF AGE TO 15

GEORGE PHILIP & SON, Ltd.,
32 Fleet Street, LONDON, E.C.4.

The Works of the greatest ENGLISH WRITERS

Utilised to provide material
in the shape of
MODEL PASSAGES,
cleverly selected and graded.

THE ABSOLUTE ESSENTIAL ::

IT is absolutely essential that he who would learn to write with ease, precision, and force should study the Masters of the English tongue. *There is simply no other way.* Ideas, vocabulary, choice of phrase, device of metaphor and simile, the whole equipment of the workman — these may be acquired by reading, and by reading alone.

—L. COPE CORNFORD.

Please write for full
details of the Scheme
— It will interest you

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY

All University Graduates with highest honours
selected primarily for their TEACHING ABILITIES



TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY



RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)



PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

THE "POSITIVE" ORGAN

IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and
is a real pipe organ, not an American reed organ.

Over 900 supplied, including many Cathedrals and Colleges
all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

CAREY'S "GRADUS AD PARNASSUM"

WITH THE ENGLISH MEANINGS

Revised, Corrected, and Augmented by a Member of the University of
Cambridge

Post 8vo, cloth, price 7s.

THE STATIONERS' COMPANY, Stationers' Hall, London, E.C.4.

Teachers who wish to purchase
SCHOOL or COLLEGE TEXTBOOKS,
Single Volumes or in quantities,

should communicate with us. 68 page Educational Catalogue post free
on request.

ANDREW BAXENDINE, Educational Booksellers,

15 CHAMBERS STREET, EDINBURGH.

Established 1885. Phone 4771.

FOR A SELECT LIST OF HOLIDAY QUARTERS

See page 422.

To Lecturers and Teachers

*When giving instruction regarding the feeding
of Infants, the following points should be borne
in mind:—*

FRESH COW'S MILK

is unsuitable for very young babies unless diluted with
Barley Water made from ROBINSON'S "Patent"
BARLEY, which prevents the milk clotting and
renders it extremely easy for the infant to assimilate.

DRIED OR CONDENSED MILK

is simply cow's milk from which the water has been
extracted. The addition of water in certain propor-
tions, therefore, results in liquid milk possessing the
same constituents as before it was dried or condensed.

THE SAME PRINCIPLES APPLY

when using Dried or Condensed milk as with fresh
Cow's milk: it should always be reconstituted with
Barley Water made from

ROBINSON'S "Patent" BARLEY

(not with plain water). As in the case of fresh cow's
milk, the Barley Water separates the curd and pre-
vents its accumulation in the stomach, thus enabling
the most delicate infant to digest the milk.

Write for Free Literature,

Dept. "J.E." c/o KEEN, ROBINSON, LTD., LONDON, E. 1.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or
abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's
to 1's at 3s. 6d. 2's to 7's at 3s. 11d.
GYM SHOES. Black canvas, with chrome leather soles sewn on. 12's to
1's at 4s. 11d. 2's to 6's at 5s. 11d.
DANCING SANDALS. Black glacé kid, hand sewn, sizes 2's to 7's at
12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,

SPORTS AND GAMES SHOE MAKERS,

272 FULHAM ROAD, LONDON, S.W.10.

UNIVERSITY OF LILLE.

HOLIDAY COURSES AT BOULOGNE - SUR - MER

Organized by the University of Lille, with the co-operation of the
Alliance Française.

JULY 15th to AUGUST 15th.

HIGHER COURSE.

(1) Literary Section; (2) Practical Section; (3) Commercial Section.
Phonetics (with Apparatus and Phonographs), Literature and Institutions of
France. Educational Problems and Organization. Classes for Conversation
and Reading. Translation from English into French.

INTERMEDIATE COURSE and PREPARATORY COURSE.

Phonetics, Elementary Grammar, Conversation and Reading,
Life and Manners. Translation into French.

Elementary, Intermediate, and Higher **Certificates of Proficiency** will be
given after Examination.

Prospectuses may be had from M. M^{rs}. Chargé de Conférences à l'Université,
Directeur des Cours, 211 Boulevard V. Hugo, Lille, France.

provides the addresses from which full particulars can be obtained. The Welsh Department of the Board have published a similar list dealing with the summer schools which have been arranged in Wales.

TRAINING COURSE BY DR. MONTESSORI.—Dr. Maria Montessori has now definitely decided to hold a training course in London. Her course will consist of lectures on theory and demonstration with children from three years to eleven years of age; it will start on September 1 and last until the end of December. The lectures are intended for teachers who wish to teach classes of children according to the Montessori method; but parents desirous of studying the method may be enrolled, although the total number of students will be limited. Diplomas will be given to those who complete the course satisfactorily, and are deemed capable of applying the method. Full particulars and application form may be obtained from the Hon. Secretary, Mr. C. A. Bang, 20 Bedford Street, London, W.C.2.

A FRENCH Holiday Course has been organized for the Board of Education at Bedford College from August 26 to September 9. Lectures will be given by M. Rudler, Professor of French Literature in the University of London, on "Literary Method" and on a subject taken from French literature. The lectures only are open to the public on payment of a fee. Further particulars may be obtained from Miss Batchelor, Bedford College, N.W.

BRITISH SCIENCE GUILD.—The report of the Executive Committee was presented at the Annual Meeting of the Guild on June 17. Among the numerous activities of the many Committees which are described in the report, special attention may be directed to the work of the Education Committee. During the past year the work of the Committee has been mainly the consideration of (a) industrial research and the supply of trained scientific workers, and (b) the developments to be recommended for the promotion of University and higher technical education, in view of the Education Act of 1918, which deals mainly with elementary and secondary education. The following resolutions were passed by the Committee at a meeting held on February 3, 1919:—(1) "That a Departmental Committee should be appointed by the Government to inquire into

the provision of University and higher technical education in this country." (2) "That a Consultative Committee, consisting principally of representatives of industry, should be appointed to advise the University and Technological Branches of the Board of Education on all matters affecting the relationship of University and higher technical education to industry." These resolutions, with an accompanying memorandum, were forwarded to the usual official authorities. It is interesting to note that resolutions in the same sense were adopted by the Teachers in Technical Institutions at their recent annual conference at Manchester.

EDUCATION IN INDUSTRY AND COMMERCE.—To justify the formation of a new educational society is difficult, but the promoters of the "Association for the Advancement of Education in Industry and Commerce" feel that they are breaking fresh ground—at least so far as this country is concerned. The Association was inaugurated at a Conference, held on May 28 to 30, in London, at the invitation of Messrs. Harrods, Ltd. The name originally proposed for the Society was "Employers' Educational Association," but the more comprehensive title was adopted after careful consideration. Lord Leverhulme is the president of the Association, and delivered his address on the first day of the Conference. Sir Woodman Burbidge is the vice-president. The president entertained those attending the Conference to a garden party, following which there were important addresses by Dr. Fisher and Sir Robert Blair. Speakers at other sessions included Dr. H. B. Gray, Principal H. Schofield, Major T. Knowles, and Messrs. F. Hall, J. D. Blair, N. J. Maclean, and J. Hill. The three last-named contributed papers on Works Schools, and the discussion on this subject indicated that the educational standard aimed at in these institutions is distinctly high and likely to compare favourably with anything possible in publicly maintained day continuation schools. Visits to trade schools and to the school and works of the Marconi Company completed a full programme. Membership of the Association is open—under certain conditions—to individuals, though the bulk of the supporters are firms carrying on educational schemes. The chairman of committee is Mr. J. Knox (Lever Bros.), and the honorary secretary Mr. R. W. Ferguson (Cadbury Bros.). The annual subscription for firms and for individuals are

(Continued on page 450.)

From MR. HERBERT RUSSELL'S LIST.

ANCIENT CIVILIZATIONS. By EMILY M. BURKE, L.L.A., Hornsey County School.

Book I.—The Shining East. Crown 8vo, cloth, 167 pp. Fully illustrated, with Photographs and Maps. 1s. 6d. net.

This is a new series of Ancient History Readers and tells in simple language the story of Ancient Egypt, Babylon, Assyria, Media and Persia, Tyre and Sidon, in short of all those ancient peoples first made known to us by our Bible reading.

READY THIS MONTH.

Book II.—The Violet Crown and the Seven Hills. Crown 8vo, cloth. With 11 Maps illustrating the text. Price 3s. net.

This second volume of the series traces the course of empire westward and presents the civilizations of GREECE AND ROME in a style which will certainly arouse the keen interest of pupils from twelve to fourteen years of age. It will give them also clear and adequate impressions of the lasting contributions of these two powers to that experience of the ages which is the inheritance of modern states.

Book III.—The Roman Empire and the Beginnings of Modern Europe. (In Preparation.)

ENGLISH COMPOSITION: A Systematic Course for School Use. By HARRY PINE.

Teacher's Edition. Crown 8vo, cloth. Price 2s. net.

Pupil's Edition. In Two Parts. Price 8d. net each.

SCHOOL POETRY (Part I) for the Junior Division.

Crown 8vo, limp cloth, 64 pp. Price 6d. net.

SCHOOL POETRY (Part II) for the Senior Division.

Crown 8vo, limp cloth, 144 pp. Price 9d. net.

BOOK WAYS: A Fascinating History of English Literature. By EDITH KIMPTON, M.A., A.K.C. New Edition. 8vo, cloth,

296 pp. Price 3s. net.

A DIGEST OF BRITISH HISTORY. By S. H.

MCGRADY, B.A. Crown 8vo, cloth, 320 pp. Price 3s. 6d. net. Also published in three Parts:—Part I—B.C. to 1415. Part II—1415 to 1789. Part III—1789 to 1912. Price 1s. 4d. net each.

ENVIRONMENT: A Natural Geography. By

G. R. SWAINE, F.R. Met.S., Geography Master at the Manchester Warehousemen and Clerks' School. Crown 8vo, cloth, 224 pp. Price 2s. 6d. net.

INORGANIC CHEMISTRY. By S. W. BURNELL,

L.L.B., B.Sc., and A. J. DICKS, B.A., B.Sc. Crown 8vo, cloth, 379 pp. Price 4s. 6d. net.

ELEMENTARY SCIENCE. By J. H. NANCARROW,

late Head Master of Kingston Public School of Science, and Lecturer at the Richmond School of Science. Crown 8vo, cloth, 354 pp. Price 4s. net.

For full particulars of Heaton's Geographies, Potter's Concurrent, Practical and Theoretical Geometry, and Students' Shakespearean Texts, &c., see our Catalogue, post free on application to

MR. HERBERT RUSSELL, 35 & 36 TEMPLE CHAMBERS, LONDON, E.C. 4.

—DENT'S— SCHOOL PUBLICATIONS.

ENGLISH LITERATURE FOR SCHOOLS.

Edited by ARTHUR BURRELL, M.A., formerly Principal of Borough Road Training College. Strongly and Tastefully bound in Cloth. 128 pages. Price **8d.** each. Large Type.

Books which interest boys and girls and at the same time introduce them to literature.

Among the 20 books of this Series are the following :—

BRITISH BALLADS, SELECTIONS FROM LONGFELLOW, MORRIS'S LIFE AND DEATH OF JASON, SELECTIONS FROM TENNYSON, IRVING'S OLD CHRISTMAS, BIBLE STORIES, DICKENS' CHRISTMAS CAROL, SELECTIONS FROM BORROW.

MODERN LANGUAGE BOOKS.

A RAPID ITALIAN COURSE. By WALTER RIPMAN, M.A. Illustrated. Crown 8vo. Cloth. 4s. net.

This useful book, just published, is based upon the *Guida allo studio della lingua italiana* of Dr. A. Alge, but contains many alterations and additions. Text and Notes are entirely in Italian, and there is a useful vocabulary.

FRENCH PROSE. From Calvin to Anatole France. Edited by W. G. RITCHIE, M.A., and JAMES M. MOORE, M.A. 4s. 6d. net.

LA FRANCE. By G. GUIBILLON. 3s. net.
A description of the land and the people, very fully illustrated.

A RAPID FRENCH COURSE. By RANDAL WILLIAMS and WALTER RIPMAN, M.A. 3s. net.
For students of seventeen and upwards *who are beginning French.*

FIRST STEPS IN FRENCH. By WALTER RIPMAN. 2s. 6d.

An alternative to Dent's "First French Book," containing many new and improved features.

FRENCH WALL PICTURES. A set of four new illustrations on which "First Steps in French" is based. 5s. net.

A PHONETIC TRANSCRIPTION of the First Part of "First Steps in French." 9d. net.

THE EARLY TEACHING OF FRENCH. By WALTER RIPMAN. For Teachers. 2s. net.

FURTHER STEPS IN FRENCH. By WALTER RIPMAN. 2s. 6d. Completing the Author's famous Two-Year Course.

FRENCH SONGS. With Airs and Tonic Sol-fa. Edited by VIOLET PARTINGTON. 8d. net.

PREMIÈRE GRAMMAIRE FRANÇAISE. By H. E. BERTHON, M.A. 2s. 6d.

FIRST EXERCISES IN FRENCH GRAMMAR and

FURTHER EXERCISES IN FRENCH GRAMMAR.

By F. M. S. BATCHELOR. Each 1s. 9d. For use with "Première Grammaire Française."

A FRENCH ACCURACY NOTE-BOOK. By E. ALLISON PEERS, Felsted School. A manuscript book designed to help the pupil in eliminating errors in French composition. 9d. net.

A FIRST SPANISH BOOK. By F. R. ROBERT. Illustrated. A most interesting introduction to the study of Spanish. 2s. 6d.

ENGLISH.

COMPOSITION THROUGH READING.

By F. PICKLES, M.A. The Direct Method of Teaching English. Introductory Book, 1s. 9d. net. Vol. I, 1s. 9d. net. Vol. II, 2s. net.

ENGLISH LITERATURE FOR SCHOOLS.

Edited by ARTHUR BURRELL, M.A. Price 9d. each Vol.

A series of small books of selections, covering a wide field of both Prose and Verse. See Catalogue.

THE TEMPLE POETRY BOOKS. A Graduated Series of Eight Books. Newly Published. Each, 6d. Paper; 7d. Cloth.

THE STORY-TELLER'S HALL. An English Reading Book for Junior Forms. Edited by Dr. R. WILSON. 2s. 3d.

TREASURE TROVE. An English Reading Book for Middle Forms. Edited by Dr. R. WILSON. 2s. 3d.

CORONATA. A Poetry Book for Middle Forms. Edited by Dr. R. WILSON. 2s. 3d.

THE IVORY GATE. A Garland of Verses for Children. Arranged by REED MOORHOUSE. Four Books. Price 1s., 1s., 1s. 2d., 1s. 3d. Graduated.

THE TEMPLE LITERARY READERS.

A set of purely literary readers for Lower Forms; beautifully illustrated in colour and black and white. Seven Vols. Price 1s. to 2s.

DENT'S SCHOOL PAMPHLETS. Short Studies on present-day topics for class-reading. Particulars on application.

SCRIPTURE.

THE OLD TESTAMENT FOR SCHOOLS.

Arranged by Canon MORLEY STEVENSON, M.A., and C. W. BAILEY, M.A. 3s. 6d.

With the necessary omissions which every Teacher requires.

THE NEW TESTAMENT FOR SCHOOLS.

By the same Editors. 3s. 6d. net. A companion to the above.

GEOGRAPHY.

HISTORICAL AND ECONOMIC GEOGRAPHIES.

By HORACE PIGGOTT, M.A., Ph.D., and R. J. FINCH, F.R.G.S.

1. WORLD STUDIES. Maps and Pictures. 4s. 6d.
2. NORTH AMERICA. Fully Illustrated. 4s.

NOTE-BOOKS OF REGIONAL GEOGRAPHY.

By Dr. PIGGOTT and R. J. FINCH, 1s. each net.

1. THE AMERICAS. II. ASIA. III. AFRICA. IV. EUROPE. V. THE BRITISH ISLES. VI. THE BRITISH EMPIRE. VII. THE BRITISH EMPIRE IN AFRICA AND AUSTRALIA. A Complete Course of Map Study and Practical Exercises, arranged in the most convenient manner.

ALDINE HOUSE. BEDFORD STREET, LONDON, W.C.2.

five and three guineas respectively. It was decided to apply for affiliation with the Workers' Educational Association and the January Educational Conference, also to support the proposed Institute of Psychology and Physiology as applied to Industry and Commerce.

COMMITTEE ON WAGE-EARNING CHILDREN.—This Committee, which was formed to increase the efficiency and promote the reform of existing legislation for the protection of children in employment, has issued suggestions to Local Education Authorities for the drafting of by-laws under the Employment of Children Act, 1903, as amended by the Education Act, 1918. The Committee desire the total abolition of child labour, but, as this cannot be immediately realized in some localities, they offer suggestions, the more important of which are: that child employment on school days be limited by by-law to two hours employment between fixed hours, such as 5 to 7 p.m. or some similar period appropriate to local conditions; that there should be no morning employment before school hours; that no child be employed on days other than school days except between the hours of 9 a.m. and 1 p.m. and of 5 and 7 p.m.; that no child be employed on Sundays (except in religious services); certain employments should be forbidden altogether for children under fourteen years of age; no boy or girl under sixteen years of age should be allowed to undertake street trading; that no child attending school full time be employed until the employer has registered the conditions of employment for each child employed.

CORRESPONDENCE.

HOLIDAYS IN SECONDARY SCHOOLS.

To the Editors of The Journal of Education and School World.

SIRS,—We find ourselves somewhat seriously concerned at a recent suggestion which has been made for the rearrangement of holidays in secondary schools. For instance, the four-term year has been suggested, the terms to be separated by only a few days' recess. The difficulties of the application of this system to secondary schools appear to be the following:—

1. There is danger that there would be no one really long vacation of at least seven weeks, in which staffs might broaden their outlook by foreign travel and private reading, and pupils in large urban centres regain mental and physical vigour by a protracted stay in the country. In rural districts children too long shut up within the four walls of the schoolroom miss the opportunities of education in the practical matters of home and farm life. The tendency among teachers to a stereotyped outlook upon life, already criticized, would be accentuated if the intervals between school terms were shorter than they are at present.

It may be pointed out that in other countries the practice of a very long vacation in the summer has done nothing to reduce the quantity of actual work done in the school year; whereas it is noticed now that after the shortest holiday of the year, about two weeks, both senior girls and mistresses return to school without having fully regained their freshness of mind.

2. The break in the continuity of school work and discipline which would be the result of the release of a mistress for one term out of the four, as has been suggested, would be a very serious defect in school education where training of character must take a foremost place.

There has been of late years a tendency to reduce the holidays of secondary schools in order to make them approximate more closely to those of elementary schools; the result of this has been to lower the standard of work, especially in the upper forms, where it has been found, from actual experience, that work done after thirteen weeks of term is practically useless. These considerations suggest the necessity of lengthening the holidays of elementary schools rather than shortening those of the secondary schools.

To those who would rejoin that the elementary-school holiday cannot be lengthened because the children of the poorest neighbourhoods have unsatisfactory home conditions, we would say that such an answer is an indictment of the Education Authority of a great city which has failed to provide adequate play centres, camps, and other opportunities for well employed leisure.

K. STEPHEN,

President of the Association of University Women Teachers.

M. A. TUCKER, G. G. H. BRACKEN, K. H. COWARD, V. E. L. DOORLY, M. C. FOLEY, A. M. M. NICHOLSON, L. QUARTLY, D. SANDFORD, E. C. SEXTON, W. SMITH, D. W. SPRULES, E. STRUDWICK, D. TARRANT—members of the Executive Committee of the Association of University Women Teachers.

No. 3 NOW READY.

"ENGLISH."

For Readers, Writers, Teachers, and all lovers of the language.

THE ONLY MAGAZINE OF ITS KIND.

6d. Monthly. Annually, 7s. 6d. post free.

8d. post free, "English" Office,

BARHAM HOUSE, HANDEL STREET, LONDON, W.C. 1.

LA PETITE REVUE

(Reliance Press, London.)

Do your Pupils take it? Vol. IV STARTING.

Bound Volumes. For boys and girls. It keeps them keen.

Parcels, post free, three times a term at the rate of 6d. per pupil, and pro rata. 276 go to ONE London school.

H. J. PURKISS,
THE KING'S SCHOOL, GRANTHAM.

NOTICE.

Increase in price of back numbers of "The Journal of Education."

Copies of *The Journal of Education* over twelve months old are now charged **double price**, and those more than three years old, **treble price**.

For a list of Numbers, Volumes, and Binding Cases, still in print, apply to the Publisher:

Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4.

EDUCATIONAL BOOKS PRE-WAR PRICES.

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 12

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	...	net 6/-
THE GIRLS SCHOOL YEAR BOOK	...	" 6/-
THE SCHOOLMASTERS YEAR BOOK	...	15/-
THE DIRECTORY OF WOMEN TEACHERS	...	10/6
H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,		
31 Museum Street, LONDON, W.C.1.		

DUSTLESS AND HYGIENIC SCHOOLS

On all
School, Laboratory, Library, &c., Floors and Linoleums of every description

USE

FLORIGENE

(A Registered Name suggested by FLOOR-HYGIENE)

(British owned)

EARLY in the SUMMER VACATION for best results.

"Florigene" is an aid to the prevention of throat and other diseases, has been awarded the MEDAL of the
ROYAL SANITARY INSTITUTE,

and is strongly recommended by Medical and other expert authorities.

It costs little, saves labour, and is easily applied by the unskilled. Not sticky—the ordinary daily dry sweeping alone required.

It is IMPORTANT to NOTE that

ONE APPLICATION of "Florigene" effectively allays the dust and dirt for
2 to 12 months, according to the traffic, not only **during each sweep-**
ing (without sprinkling of any kind), but **also throughout all the inter-**
vening periods—which is even of **greater hygienic importance.**

"Florigene" has been continuously used for many years on the floors of The Royal Colleges and other important Government Buildings; also in numerous Colleges, Schools, Laboratories, &c., throughout the United Kingdom and Colonies.

Send for Medical Reports and Testimonials to the Sole Manufacturers—

THE "DUST-ALLAYER" CO.

4 Vernon Place, Bloomsbury Square, London, W.C.1.

Contractors to Admiralty, War Office, H.M. Office of Works, India Office, L.O.C., &c.

SAVE 50% of your TIME

by ordering your NEW BOOKS
through Mr. John Davis, who can
always secure good second-hand
copies of manuals out of stock
at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a
further order for you as I am well pleased with your past efforts to
secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C. 4

Blackboards cannot become Shiny

in use, if covered with

Proctor's "Defiance" (Trade Mark)
Slate Composition.

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,

St. Anne's Institute, Island Street, Nottingham.

AUGENER'S EDITION CLASSICAL & MODERN MUSIC

Engraved and Printed in England

LARGEST CATALOGUE OF
EDUCATIONAL MUSIC
:: IN THE EMPIRE ::

AUGENER'S SCHOOL DEPT.,
18 Great Marlborough Street, London, W.1.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1918).

In accordance with the above-mentioned Order, a
REGISTER OF TEACHERS

is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C.1.

BLACKIE & SON'S NEW LIST

 Experience has proved that Messrs. BLACKIE & SON'S Books take a foremost place by reason of their scholarly editing, clear type, strong binding, and reasonableness in price. 

THE GROUNDWORK OF BRITISH HISTORY.

By **GEORGE TOWNSEND WARNER, M.A.**, sometime Fellow of Jesus College, Cambridge; Master of the Modern Side in Harrow School; Author of "A Brief Survey of British History," &c.; and **C. H. K. MARTEN, M.A.**, Balliol College, Oxford; Assistant Master at Eton College. With Maps, Time Charts, and Full Index. 764 pp., super-crown 8vo. **7s. 6d. net.** Complete in One Volume.

In Two Parts, **4s. 6d.** each net. Part I, 55 B.C.-1603; Part II, 1603-1911.

For the convenience of those requiring the book for certain examinations it is also issued—

In Three Sections, **3s. 6d.** each net:—Section I, 55 B.C.-A.D. 1485; Section II, 1485-1714; Section III, 1714-1911.

A NEW GRAMMAR BOOK.

By **AGNES CATNACH, B.A.** (Lond.), Assistant Mistress at King Edward's Girls' High School, Birmingham. **2s. 6d. net.**

This book seeks to connect more closely the formal study of language with adequate expression of thought, and to attain this end all the work is based on the study of the sentence. It is hoped that to children studying on these lines English Grammar will be a subject of living interest, and that the various facts of grammar will gain that logical connection which they so often seem to lack.

The matter has been set forth as simply as possible, and in a manner to retain the interest of the pupil.

SOME PRACTICAL HINTS FOR THE YOUTHFUL HISTORIAN.

By **C. H. K. MARTEN, M.A.**, Balliol College, Oxford, Assistant Master at Eton College. **3d. net.**

N.B.—The above is No. 1 of a Series entitled "Aids to the Study of History."

THE GOLDEN BOOKS OF ENGLISH VERSE.

A Graduated Course for Class Study. Arranged by **FRANK JONES, B.A.**, Senior English Master, King Edward's School, Aston, Birmingham. In Three Books. Book II, now ready, **2s. net.** Books I and III, in preparation.

The chief feature of this series is the teaching apparatus provided at the end of each poem. The objects kept in view in drawing up these aids have been to save the teachers' time, and to provide the pupils with an instrument by which they might test the thoroughness or otherwise of their understanding of the poem studied. Each teacher will no doubt supplement them as necessity arises; and to the pupils who have studied a poem in order to answer the questions asked, the aids will suggest other points for further consideration with the help of the teacher.

A BOOK OF ENGLISH HISTORY FOR CHILDREN. Part I.

By **LILIAS MILROY**, Head Mistress of the Leamington High School for Girls, and **ELIZABETH M. BROWNE**, Formerly Assistant Mistress in the Truro High School for Girls. **2s. 6d. net.**

This history book seeks to steer a course between those mere "outlines," which are bound to be lacking in interest for young children, and the books of stories from history, often delightful to the readers, but apt to be rather too bulky for use as textbooks. The aim of the authors has been to select carefully the more important movements and the more picturesque incidents of history, and in connection with these to give those ample details which children love, and at the same time to preserve a clear chronological sequence.

A RAPID SURVEY OF ENGLISH LITERATURE.

By **E. H. BLAKENEY, M.A.**, Winchester College. **2s. net.**

"A wonderfully comprehensive selection of brief characteristic extracts, with notes of the times and peculiarities of the writers, and will be found a very interesting book."—*Guardian*.

ENGLISH PROSE EXTRACTS FOR REPETITION.

Selected and edited by **E. H. BLAKENEY, M.A.** **9d. net.**

"Mr. Blakeney has done very useful work in producing this little book of prose extracts, fine examples of prose for the use of schools. Extracts from writers such as Gibbon, Scott, Matthew Arnold, Shorthouse, Pater, George Meredith, Ruskin, and some quite recent writers are brought together."—*Times*.

A NEW SERIES OF FRENCH HISTORICAL READINGS FROM ORIGINAL SOURCES

ÉPISODES MÉMORABLES DE L'HISTOIRE DE FRANCE.

General Editor: **LOUIS A BARBÉ, B.A.**, Officier d'Académie.

PRISE DE LA BASTILLE, from Michelet's *Histoire de France*.

LA ROUTE DE VARENNES,

LES FRANÇAIS A LA 1^{re} CROISADE, " " "

STRONGLY BOUND IN LIMP CLOTH. PRICE **9d.** EACH.

BLACKIE'S LONGER FRENCH TEXTS.

From Modern French Literature. Printed in large, clear type, with brief Notes, Exercises, Phrase List, and Vocabulary. Fcap. 8vo. **9d.** each net.

COURS DE FRANÇAIS, d'après les Textes.

By **M. ANCEAU** and **E. MAGEE**, Edgbaston High School for Girls, Birmingham. Cloth boards, **2s.** net.

A SKELETON FRENCH GRAMMAR.

By Professor **ATKINS, M.A.**, King's College, London. The "irreducible minimum" printed in red and black. **1s. 6d.** net. With Exercises, **2s.** net. Exercises only, **1s.**

A JUNIOR FRENCH COURSE (First Year).

By **E. J. A. GROVES, Lic. ès L.** (Senior French Master, Bradford Grammar School). Fully Illustrated. Cloth extra. **2s. 6d.** net.

BLACKIE'S LITTLE FRENCH CLASSICS.

Representing all important French Authors from Montaigne to Bourget. Fcap. 8vo. **6d.** each.

LE LIVRE ROUGE.

A First Book of French in Coloured Pictures. By **E. MAGEE**, Edgbaston High School for Girls, Birmingham. With many full-page Coloured Pictures and other Illustrations. Fcap. 4to. **2s.**

LE LIVRE BLEU.

A Second Book of French in Coloured Pictures. By **E. MAGEE**. With sixteen full-page Coloured Pictures and many other Illustrations. **2s. 3d.**

RECENT IMPORTANT BOOKS FOR THE STUDY OF ITALIAN.

By **ERNESTO GRILLO, M.A., LL.D., D.C.L.**, Professor of Italian Language and Literature in the University of Glasgow.

A NEW ITALIAN GRAMMAR.

For the use of Schools, Commercial Colleges, and Universities. 8vo, cloth, **6s.** net.

A systematic course of instruction in grammar and in the elementary principles of composition.

SELECTIONS FROM THE ITALIAN PROSE WRITERS.

With Critical Introduction. **7s. 6d.** net.

SELECTIONS FROM THE ITALIAN POETS.

With Critical Introduction. **7s. 6d.** net.

Prospectuses post free on application.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.

University Correspondence College

(FOUNDED IN 1887.)

Principal: WM. BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.



LONDON UNIVERSITY Degrees.

Courses are provided for

MATRICULATION

and the

INTERMEDIATE & DEGREE Examinations

of

London University

During the five Years 1913-1917,

ABOVE ONE-HALF

of the

Honours at B.A.

were gained by

U.C.C. Students,

INCLUDING HALF OF THE

FIRST-CLASS HONOURS.

Prospectus, giving Full Particulars of Courses and Fees, post
free to **Private Students**, from—

THE SECRETARY,
No. 14 BURLINGTON HOUSE, CAMBRIDGE.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	...£5 10 0	One Column [$\frac{1}{2}$ page]	£3 0 0
Half Column [$\frac{1}{2}$ page]	1 15 0	One-Eighth Page	... 0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—
6d. per line; minimum charge, 5s.

Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d.
prepaid rate.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each
8 words after, 6d.; *prepaid rate.*

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C. 4;

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London Joint City and Midland Bank, Ludgate Branch." Postage stamps can only be received at the rate of thirteen to the shilling.

Notice must be given of all remittances through the Post Office from abroad, stating full name and address of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C. 4.

THE WORKS SCHOOL AND ITS PLACE IN OUR EDUCATIONAL SYSTEM.

By REGINALD W. FERGUSON, Educational Organizer to the
Bournville Works.

THE term "works school" cannot be defined in a few words, because the various organizations which are loosely described by that name do not conform to any standard type. They have not as yet been moulded by any code of restrictive regulations. The work done in these schools varies about as widely—in aim and in curriculum—as the trades and industries in which they are carried on. Educationally they can be better classified by reference to their modes of origin, or to the motives of the firms which have started them.

Although the name "works school" has been commonly used only during the past eighteen months or so, the idea is really much older. Half a dozen years ago it was employed as a convenient term by which to describe collectively a variety of educational work carried on by a firm, without the intervention of the Local Education Authority, but, more or less, with the recognition and approval of the Board of Education. Groups of evening technical classes in factories or engineering works are, of course, a still older arrangement, though they never became common. Over forty years ago works classes of this kind were set up by at least one engineering firm.

During 1918, when the successive Education Bills were under discussion, the works school began to be spoken of as a new feature of some consequence in our educational system, and then usually in the restricted sense of a works day continuation school—"a school held at or in connexion with the place of his employment," says the English Act.

Works schools which originated before the Education Act, and without reference to its probable provisions, differed widely in detail, but two examples will serve to illustrate what they

were intended to do. Much of the instruction required by apprentices and other learners must in these days be given systematically if it is to be given at all. The older method of picking up information from older workers cannot be relied on, and is, at best, too haphazard. In a large engineering works space can be set aside as a classroom and suitably equipped. At stated hours of the day groups of apprentices come in from the various shops for regular class teaching. The instructors may be selected foremen, or members of the drawing office staff, or other officials possessed of sound training in theory, or practice, or both. Textbooks or trade periodicals are sometimes to be found in the same room, and the apprentices are encouraged to refer to them. If the instructor's qualifications are practical rather than theoretical, let him have a colleague to supervise note-taking and manipulate the blackboard—that stumbling-block to the unprofessional teacher. The expansion of this kind of work is a simple and natural operation. To the demonstrations on trade processes can be added classes in the physical, mechanical, and chemical principles on which metallurgy and engineering are based; then come classes in workshop arithmetic and practical mathematics, and—for older students—design, costing, economics of industry, and even citizenship, though the bearing of this subject is not so obvious. Thus the approach to a wide range of knowledge is made, as it were, through a vocational gateway, and without serious encroachment on the legitimate domain of the municipal technical school which the same students doubtless attend at night or on certain afternoons.

Take another and less ambitious example: a large manufacturing or distributing concern finds that the ordinary classes of the local school of commerce can usefully be supplemented by instruction on the direct applications of commercial principles to the firm's own business. A series of office classes can be arranged, each section of the course being taken by the lady or gentleman to whose province this particular work belongs. In large offices sectionalization has gone a long way, and only by some such method can junior clerks be brought to see the exact bearing of their own work on the operations which either precede or follow it. Of course it will be urged that those who teach classes of this kind sometimes possess the knowledge without the gift of imparting it, but many teachers in technical or commercial schools are open to the same criticism.

So much for the "pre-Education Act" works school, though many other examples might have been cited had space permitted. One important point, however, arises at this stage. A school of the engineering type, such as is described above, may in origin have been frankly vocational, but as it developed has probably assumed a much more general character. If the work is well and efficiently done, by qualified teachers and under satisfactory conditions, a further broadening of curriculum, with the introduction of English subjects and physical training in due proportions, may readily qualify the school to rank as a day continuation school within the meaning of the Act. Inspection and recognition by the Board of Education will do the rest.

Somewhat different in conception, and generally (but not always) more recent in origin, are those schools established with one eye on the continuation school clauses of the Education Act, and the other eye, more or less definitely, on the needs of a particular business. Up and down the country, from Scotland to Somersetshire, firms are anticipating the "appointed day" by opening their own day continuation schools. To these firms the Board of Education apparently look for much pioneer work, which will ultimately benefit Local Authorities and the community at large. Every such school has doubtless its own special features of interest or value, but one can speak only of those about which certain particulars are available. There are probably others about which little or nothing has yet been made public. At present there is no need for these schools, being experimental and in one sense voluntary, to conform to all the rules about 320 hours per school year, and so forth; and the time given to study varies considerably, while the curricula may not include everything

contemplated in the Act. Let it be noted, in passing, that this pioneer work is by no means confined to the very largest firms.

One interesting experiment, for instance, is a school of quite moderate size in the West of England, where the girls learn to do simple carpentry and household repairs, in addition to all the necessary subjects of a more conventional character. In a school just starting in a large London warehouse it is hoped that self-government, free discipline, and some application of Montessori methods will be the characteristic features. North of the Tweed at least one drapery firm has for some time carried on a day continuation school of its own in quite an unobtrusive fashion. It is in Lancashire, and, furthermore, in the textile industry, that perhaps the best example of a works continuation school is to be found. This school is conceived on broad educational lines, embodying the spirit as well as the letter of Mr. Fisher's Act, and provides for all sections of junior employés a liberal curriculum, with due recognition of physical training, as well as all the other elements of a general education. In its inclusiveness it differs from several other important pioneer schools which cater only for apprentices and office staff, and in which no provision is yet made for unskilled or semi-skilled workers. One of the oldest works schools in England, connected with a very well known factory, and accommodating workers of all grades, began, I believe, with physical training, handicrafts, and domestic subjects, English and its allied subjects being only introduced later.

However diversified these schools may be at present, they will naturally approximate towards some measure of uniformity as the appointed day approaches, but it is fairly certain that most of them will retain a great measure of individuality. In some directions at least the teachers in them will have more freedom and scope for initiative than in the publicly controlled continuation schools. On the other hand, the staff may be awkwardly placed during a strike.

Whether or not an employer need open his own school instead of simply co-operating with the education authority is a matter to be determined by the local circumstances or by the opinions of the Board of Directors. (Generally the firms taking the former course are limited companies.) Some of the arguments for and against such a course are fairly obvious, and may be summarized here.

In a progressive and well organized factory there is a magnificent opportunity for original work, should the employer desire to open a works school on thoroughly educational lines, with the minimum of external interference or inspection. The additional cost involved to such a firm is partly balanced by simplicity of arrangement. The school buildings belong to the firm; the teachers are their employés; the hours of opening and the dates of holidays can be adjusted to meet works arrangements; the educational scheme can be closely co-ordinated with other forms of social and welfare work; the withdrawal of students from any one section to attend day classes may be conveniently distributed throughout the school week; dislocation generally can be reduced to a minimum.

Whether or not the works school is the *best* form of continued education is a different question and more difficult to answer. Most widely divergent views are held on this point. Two opinions are well worth quoting, especially as both were given on the same occasion, when works schools were being discussed at the recent annual meeting of the Association of Technical Institutions. One educationist of long experience said emphatically that work of this kind should be left severely alone by the employer, presumably because his point of view was fundamentally wrong, and that young persons would suffer by attending a works school instead of one publicly maintained. Other speakers held that a properly conducted works school is quite the ideal unit for the development of corporate spirit and well fitted for inculcating principles of citizenship and self-government. The truth lies probably somewhere between these two extreme views. Apart from the danger—real or imaginary—that works day continuation schools may aim at developing efficient wage-earners rather

than citizens, other considerations come into this question. It is well, for example, that employes of different firms should mingle both in the serious work of the day class and in the social, or club side, which ought to be a feature of our day continuation schools. By so doing they learn that grievances and grumbles are not confined to any one factory, and they derive benefit in the same way as older students do by attendance at a college of the cosmopolitan type. The balance of advantage, whether to students or to employers, will in any given case be decided by the relative weights of arguments such as those here indicated. A compromise may well be made, and it is quite possible that in the future many works schools will be based on such an arrangement.

The idea can be outlined quite briefly. Let the Education Authority assume responsibility for general continued education—the seven or eight hours required by the Act, the firms of the district co-operating as keenly as they like. Then let the employer who wishes to go a step further build up the curriculum of his works school from subjects not already covered, such as trade processes, instruction which has special bearing on his own factory, courses of training for certain types of employé, recreative classes, and whatever else meets the needs of the particular case, employes of all ages being included.

All these, together with the keeping of educational records, examinations for selective or qualifying purposes, and the linking up of educational progress with advancement in the factory, make up a programme quite as large as most firms will care to face. Furthermore, it is work which no one but the employer can adequately undertake, and it supplements public education without overlapping it.

This represents a works school of another kind, and time alone can show whether the last type or those described earlier will prove the most general or the most useful.

A careful study of the whole question suggests that no general rule can be laid down. If an employer is prepared to incur the trouble and expense of running a works continuation school *better* than that which could be provided locally out of public funds, by all means let him do so. If not, then the Education Authority is the proper body to do the work. In all probability, the great majority of young persons will attend schools of the public type, and in any case the Act lays down that a Local Education Authority shall not require a student to attend a works school without his consent.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

We are laying, as it were, new foundations for history in the future, with law and justice as basic stones. **About History.** The American Association for International Conciliation has been formed "to awaken interest and to seek co-operation in the movement to promote international good will," and it circulates trustworthy documents in furtherance of this object. What the future must avoid is shown by the records of the past, which reveal, to quote President Wilson, "how helpless peoples have too often been a prey to powers that had no conscience in the matter." This and other teachings of history are being eagerly sought in the United States. Much has to be unlearned, much discovered. The primary reasons for the struggle that freed the greatest of nations in America from the control of a European power were not appreciated until a century and more after independence had been attained, the first writer to make them clear being the late Prof. Osgood, the historian of the Thirteen Colonies (*Columbia University Quarterly*, XXI, 1). That chapter of history, by the way, was one that yielded us good instruction. "From the American Revolution Great Britain learned how to govern colonies," says Prof. Zook in an article, "The British Empire and what it stands for" (*Historical Outlook*, x, 3). And the methods of teaching history, no less than its subject-matter, seem to need revision. A Joint Committee was lately appointed by the American Historical Association, the National Board for Historical Service, and a Commission of the National

Education Association, to examine the whole question of the content and mode of history teaching in schools, and its preliminary report has just been issued (*Historical Outlook*, x, 5). Lantern slides and films are educational auxiliaries that enable us to develop new tactics. The Parthenon or the Roman Forum may now be visualized as well as described. Methods of historical inquiry are also an important subject of investigation, for even about recent happenings it is difficult to get certainty. If history in general be a "Mississippi of lies," it were hard to deny that contemporary history has supplied a few tributary streams.

The study of English history, which for the last two decades of years there has been a tendency to drop in the secondary schools of the United States, is now being recommended as a stay of the Anglo-American *entente* (*Historical Outlook*, x, 5).

The tradition of government in America is mainly an English tradition, unintelligible apart from its origins. American and English children should alike be led to "understand the common foundation on which the Anglo-American institutional edifice rests, and to take a sympathetic share in the continuance of its building in years to come."

In the regulations of Clark University, Worcester, Massachusetts—we have received "The Register and Thirty-first Official Announcement, 1919"—the English reader is impressed by the large powers and duties assigned to the President. The University has eight departments—Mathematics, Physics, Chemistry, Biology, Psychology (the special province of the President, Dr. G. Stanley Hall), Pedagogy, Sociology, and History; and no other department may be established until the existing departments have been brought to the highest state of efficiency. A characteristic of the University is the absence of any clearly marked line between students and instructors. "Fellows," that is to say, post-graduate students of promise who are fitting themselves for an intellectual career, after getting some mastery of a special subject, sometimes give brief courses on it, which may be attended by professors; and any member of the University Faculty may appoint one or more "quiz masters," who, with the aid of the professor's lecture notes, may conduct review classes or make preliminary tests of attainment. Every candidate for the degree of Doctor of Philosophy is examined in French and German. The Department of Pedagogy offers a course for that degree; and, as might be expected in an academy presided over by Dr. Stanley Hall, it connects its work closely with psychology and anthropology.

We used to write of enlightenment on the sexual relation under the rubric, "Germany"; the United States has become for the art and science of education a better standard of comparison and origin of suggestion. In January, 1919, a Conference of Educators representing schools and colleges of Maryland, Delaware, Virginia, and the District of Columbia considered the subject of this paragraph. It laid down that sex problems should be approached with a reverent attitude of mind, and in the light of accurate scientific knowledge. Resolutions were passed to the effect that sex education should be included in the high school programmes of the United States, and that in working out its place the following principles should be recognized:—(i) That sex education be given in connexion with physical education, biology, physiology, hygiene, general science, and other subjects to which it has a rational relation; (ii) that it is desirable that such essential matters as reproduction in a few typical forms of plants and animals, elementary facts concerning ductless glands, including sex glands, the true significance of physiological changes occurring during puberty and adolescence, the main facts concerning the cause, manner of spreading, and possible results of certain diseases, and the fundamental facts concerning heredity, be taught during the first year of the high school; and (iii) that the courses in physical training, biology, physiology, hygiene, or general science, throughout the four years of high school, and especially during the last three years, should make definite provision for carrying on the instruction.

FRANCE.

Universities, like booklets, have their fates. In Belgium, the Communal Council of Ghent has voted for the immediate suppression of the German-Flemish University and the restoration of the French University. With Alsace the University of Strasbourg reverts to French control. Let us look back. When the French took possession of the town the military authorities, it is said, bade the German professors and librarians quit it in twenty-four hours. The Universities of Leipzig and Heidelberg protested: the German

scholars, leaving all their effects behind them, were parted so from the fruits of a laborious life, to the prejudice of international culture. The Swedish University of Upsala undertook the circulation of this protest in hostile and neutral countries (February 1). Of the answers from the academies addressed we have before us the stinging rejoinder (dated April 15) of President Butler of Columbia, who points to the unclean hands of the complainants. The French case is put by M. Gustave Lanson (*Revue Universitaire*, XXVIII, 5): "Il a fallu dès notre arrivée liquider l'Université allemande, foyer de pangermanisme, et renvoyer les professeurs allemands, dont beaucoup s'étaient signalés par leur zèle oppresseur et insolent." Before the German complaint was published abroad the French had organized academic work at Strasbourg, and M. Christian Pfister, on January 20, opened the lectures with the first of a course on "The History of Alsace from 1648 to the present day." A fortnight later the revived French University could boast of eight hundred students. In 1914, before the War, the German University of Strassburg had two thousand on its register, and France hopes to attract to the lecture rooms Americans, Englishmen, Rumanians, Serbians, Greeks, and Syrians in such numbers as to make good the loss. And why not Germans—penitent Germans? Strasbourg was French in the days when Goethe studied there, and consorted memorably with Herder, Jung-Stilling, Lenz, and Franz Lersé. International hatred is a plant that dies in the higher regions first; the trained intelligence rejects it soonest. Universities must lay the new foundations of human brotherhood, teaching the ways of law, justice, and righteousness to all comers.

Instruction by means of "the pictures" makes little progress in France. It is useful, but expensive. An extra-parliamentary Commission on the Kinema was appointed four years ago. While the French soldiers were winning the War the Commission hatched—a project. It decided that every school in every commune of France should have a complete cinematographic installation. But the cost? More than two hundred million francs. The children are still waiting for their "pictures."

L'Education (x, 4) begins with notes by Prof. Starling, of University College, London, on the Report of the Committee as to the place of natural science in education. An article by M. Gaston Sévrette urges the claims of poetry—*un art éminemment évocateur*, calling forth feelings and vague ideas latent in the depths of the Ego. The school, he says, should grade the poetry that it offers to its pupils. To the youngest it should present songs and pœms that treat of the joy of life: Maurice Bouchor and Jacques Dalcroze the best laureates for them. For the older, poetry should be a commentary on the beauties of Nature, and France, where Nature-study, fit introduction, is not yet a regular school subject, should make large use of an André Theuriot, a Maurice Rollinat, a Fabié. With the oldest, poems that induce thought should be substituted for those which stimulate seeing and feeling. Now prosody should be taught and the writing of verses encouraged. "There exists at Cambridge a *collège*, the Perse School, the pupils of which are, as the result of methodical training, poets and dramatic authors. Every *bachelier* (commencing student) worthy of the name should be able to write a *ballade* or a sonnet." We observe that in *La Vie Universitaire* for May a writer avers that an Englishman is a poet by nature. It is an unmerited compliment. What of poetry there is in us would be developed if our children, studying French, learned to sing French songs; François and Mailfait's "Recueil de chants scolaires" might be a serviceable guide.

ITALY.

France has lately withdrawn girls from the right of attending boys' lycées. Italy continues to approve co-education (or rather co-instruction) in secondary schools.

For the girls there are the same courses, examinations, and diplomas as for the boys; but the girls wait for the opening of the classes in a special room, under the surveillance of a lady; moreover, they enter and leave the class-rooms a few minutes later than the boys. The Royal *Liceo* of San Remo had, in 1918, 27 girls among its 181 pupils; in another *liceo* 139 out of 379 pupils were girls. Reports agree that studies, discipline, and morality have sustained no damage from this co-instruction.

INDIA.

So far as India can be said to have a voice, it is a cry for self-determination, and the proposed transfer of education to provincial Indian Ministers would do something to satisfy the national aspirations.

An outline of existing conditions is presented by "Indian Edu-

cation in 1917-18," a volume issued by the Bureau of Education. It summarizes and combines Reports from the Provinces, some of which have been noticed in this column. We observe that the War made its influence felt especially in Burmah, but a decrease in the number of pupils there did not prevent a general increase. There was no appreciable change in the percentage in primary stages to population. The principal feature of the year in primary education was the movement in favour of compulsory elementary education; in secondary education, the institution (in Bombay and elsewhere) of a school-leaving examination. Laudable was the encouragement given to Oriental studies: a grant was made towards the publication of the Bombay Sanskrit series and to the Cama Oriental Institute, whilst the Government Library of Sanskrit Manuscripts at the Deccan College was handed over to the Bhandarkar Oriental Research Institute.

The Trichinopoly District Educational Conference asked lately for the establishment of a University of Trichinopoly. We take occasion to point out the insufficiency of the provision for University education in India. The appealing figures that follow relate to the year 1916-17, and are taken from the Quinquennial Review of the Progress of Education in India.

University.	Area assigned in sq. miles.	Population of area.
Calcutta	376,402	65,480,716
Bombay	195,111	29,127,722
Madras	237,159	59,766,897
Punjab	394,138	32,015,118
Allahabad	452,408	84,436,197
Patna	111,881	38,435,293
Mysore	29,475	5,806,193

NEW ZEALAND.

Of the 1,902 students attending in 1917, the four University colleges affiliated to the University of New Zealand 873 were receiving free tuition as holders of some form of scholarship. From the Education Report, it appears that 44 per cent. were taking the arts course, whilst 15 per cent. were studying medicine, 11 per cent. engineering, 10 per cent. law, 9 per cent. commerce, and 4 per cent. science. Something is being done, and something remains to be done, for the encouragement of science studies in New Zealand. Up to the present, eighteen Research Scholarships have been awarded in the University, two being operative in 1917. One Scholar was inquiring into the dissolution of gold by solutions of sodium cyanide; the other was pursuing an investigation of New Zealand grasses. It is proposed—and the proposal is supported by the New Zealand Institute and the National Efficiency Board—to constitute a Board of Science and Industry, having a statutory grant and empowered to subsidize research whether conducted in public laboratories or by private persons. Again, the Cawthron Institute, founded by the late Mr. Cawthron, of Nelson, has a capital of more than £200,000. The income will be applied to buildings, the equipment of laboratories, and the maintenance of scholarships and fellowships in science. For the fruit industry, in particular, the trustees of the Institute expect that research will supply a powerful aid.

ORANGE FREE STATE.

The brief Report just received from the Orange Free State Province deals with the nine months ended December, 1917, and is signed by Acting-Director Schmidt, the late Director, Dr. W. J. Viljoen, being engaged on a revision of the education laws of the Province. We note briefly from it that schools grew more numerous and were better attended; that a difficulty was experienced in finding teachers for secondary and technical subjects; and that Afrikaans, the home language of the children, was supplanting Netherlands in schools. The Inspector of the South-Eastern Circuit reports weakness in history. "The average Standard IV child rarely has an accurate idea who Paul Kruger was."

THE last report of the Council of the Royal Society of Arts shows that the increase in the entries for the Society's examinations, which began in 1917, has been continued, the numbers being 34,173 for this year, as compared with 31,135 in 1918, and 26,185 in 1917.

UNIVERSITIES AND SCHOOLS.

OXFORD.

So much correspondence has appeared in the press on the subject of compulsory Greek that it may be advisable to summarize briefly both the history of the controversy and the actual proposals. In 1912 the Council of Oxford University proposed the complete abolition of Greek as a necessary subject of Responsions, but this was defeated in Congregation, which consists of the resident teachers of the University, and a compromise was accepted by which students in science and mathematics and those not seeking honours in other subjects should be excused Greek. Though Congregation passed this, Convocation, which comprises all M.A.'s, refused it.

This year Council brought in a statute abolishing Greek entirely as a necessary subject, and Congregation passed it; but a determined attempt was made to persuade Convocation to substitute the compromise of 1912 for the statute which requires candidates to offer two languages other than English, one of which must be classical, and in addition to offer two other subjects, one of which must be mathematics or natural science, or a combination of both. On June 17, Convocation refused to pass this statute, the voting being 312 to 306.

It is the business of secondary schools, first and foremost, to give a general education up to the age of sixteen at least, and in the great majority of such schools, owing to the number of subjects which must find a place in the curricula, it is almost impossible to begin Greek before that age. This is clearly shown to be the case by an investigation into the school certificate examinations of seven Universities in 1918, conducted by Mr. Cyril Norwood. He found that, whereas there were between 20,000 and 30,000 candidates, less than 1,000 offered Greek at the age of sixteen-seventeen, and, if the older and larger schools are excepted, less than 300!

It is claimed that secondary schools ought to keep their pupils until they are eighteen and, in the case of those who intend to proceed to a University, this is usually done. Where this happens schools are prepared to consider suggestions from Universities—which, of course, take the form of regulations for University examinations. Such schools could well accept the 1912 compromise. On the other hand, the statute afforded such liberty of choice within the main subject-groups taught in secondary schools as to furnish an almost ideal solution.

Summer vacation courses supply to the teacher an opportunity of keeping in touch with the progress of University thought. Such a course will be taken at the University College of London University between August 6 and August 19 inclusive for students and teachers of French. It will include phonetics and methods of language learning. A summer school of Italian will be held at Girton from July 28 to August 16, and include the history of Italian civilization, Italian drama, and the making of modern Italy. The Geography School at University College, Aberystwyth, will deal with the human geography of Eurasia, the teaching of the subject, and the modern developments in climatology.

WALES.

At the half-yearly meeting of the Central Welsh Board, held at Swansea, an encouraging report was received from the Executive Committee on the progress of the schools. The number of pupils is steadily growing, reaching the total of 18,283 in 1918 as against 16,955 in 1917, but it was pointed out that the increase would have been still more marked if there had been more accommodation in the schools, for unfortunately the premises are at present generally taxed to their utmost capacity. This is really one of the acutest problems in Wales at the present time, and many people are urging the authorities to try to induce the Board of Education to remove the present restrictions on building operations as quickly as possible. It is not, however, very probable that immediate action in this direction will be taken, because most authorities have not yet decided on their educational policy under the recent Education Act, and as in the larger counties in particular the problem of providing extra accommodation is very complex and difficult, we must exercise a degree of patience, as a mistaken policy would have a disastrous effect on educational progress within the area concerned. That some of the Welsh authorities are alive to the necessity for forethought and a thorough consideration of every aspect of the question before deciding on a general plan is proved by a reference to an excellent pamphlet which Mr. T. J. Rees, the Director of Education for

Swansea, has just issued. In it he deals exhaustively with elementary and secondary schools, as well as with evening classes and continuation schools, and as the conditions in Swansea are fairly typical, his conclusions and suggestions are of general interest. The total number of children attending all grades of schools is 20,604, and of these about 3,000 each year reach the age of twelve, and for whom full-time education must be provided until they reach the age of fourteen or fifteen (Mr. Rees strongly recommends the raising of the school age to fifteen) and part-time education up to eighteen. The scheme for dealing with these 3,000 children is briefly as follows. As each year they reach the age of twelve, they shall be submitted to some system of classification, based partly on examination tests and partly on head masters' reports and partly on the wishes of their parents. He recommends the transference of the best children to the two intermediate schools, the next best to one of the four municipal secondary schools, and the remainder to the Middle Schools which will be established under the Act, and which will provide courses from twelve to fifteen or sixteen and part-time up to eighteen. The system is not to be absolutely rigid, for under proper guarantees transference from one type of school to the other will be possible. If some such plan is adopted, we have no doubt that it can be made workable and efficient, and that a far larger proportion of elementary school pupils will be induced to follow a thorough course of secondary education than at present. There are other sections in the pamphlet of great interest on art education, technical education, physical education, &c., and we believe that authorities may derive much enlightenment and help from a careful study of the suggestions put forward in it.

At the same meeting of the Central Welsh Board it was resolved to apply for the recognition of the Senior and Higher Certificate Examinations of the Board by the Examinations Council, and the Executive Committee was empowered to continue negotiations with the view of securing the most advantageous financial position under which the Board might join the Council. Some members were inclined to lay considerable stress on the financial aspect of the question, while on the other hand it was argued that, as the recognition was mainly an educational question, financial considerations should not really determine the issue, and this view was ultimately adopted by the Board.

A special session was devoted to a discussion on the Modern Languages Report. The references to Wales are very scanty, and the Committee, though many witnesses attended from the Principality and gave evidence, do not seem to have had the courage to deal with the interesting bilingual problem. All they have to say is: "To these results, bilingual education may be an assistance rather than an impediment"—surely a very vague and ambiguous conclusion. The Chief Inspector of the Board, Mr. William Edwards, in a carefully compiled memorandum on the Report, on the other hand, gives full consideration to the fact that many of our secondary school pupils have acquired a fair knowledge of English and Welsh before entering school, and it is impossible to ignore it in any discussion on language teaching in Wales. With this pamphlet as a basis, an excellent paper was read by Miss Price, Assistant Inspector of the Board. She is of opinion that in teaching French, more use of Welsh could be made with advantage, and that it is possible to acquire, under proper conditions, a very satisfactory knowledge of two modern languages, thus differing from the Chief Inspector, who believed that only a comparatively elementary knowledge of a second language—up to the reading stage—was in most cases possible. An interesting suggestion was made that a small Commission of Inquiry into other bilingual countries, such as Scandinavia and Belgium, would be able to throw considerable light on the question of language teaching in Wales, as their report would be more likely to be serviceable than the special reports of the Board of Education, which do not generally deal adequately with the bilingual problem. There was a useful discussion afterwards, in which many secondary-school teachers and others interested in modern languages took part.

A conference of secondary-school teachers from the counties of Carmarthen, Pembroke, Cardigan, Brecon, and Radnor recently met at Carmarthen to consider the question of salaries in the intermediate schools. Mr. G. Gwyn Jones, Head Master of Llandilo School, was in the chair. Mr. G. T. Lewis, Head Master of Tregaron County School, in his opening address, expressed great anxiety as to the future of education in rural schools unless they were better financed and better salaries were paid. Some education authorities had increased their rate already, but others had not realized how insufficient the present scales of payment were under existing conditions. The conference, after a long discussion, pledged itself to united action, with the view of obtaining the Depart-

mental Committee's scale and to demand as a minimum for a head master and head mistress a salary of £600, as recommended by the Welsh County Schools Association.

Swansea College.

The Mayor of Swansea has been informed that the Privy Council have granted the petition of the Authority, and that, under certain specified conditions, a University college will be established in the borough. This decision has given great satisfaction locally, and no doubt steps will be taken immediately to comply with the terms laid down in the Charter. As soon as the Court of Governors is constituted it is probable that a Principal will be appointed immediately, as the Court will of necessity be mainly guided by him in the initial steps and in the formation of the faculties. Dr. W. M. Varley, the present Principal of the Technical College, has been appointed to the Principalship of the Brighton Technical College. He has been in Swansea since 1910, and has played a prominent part in securing the present Charter for the College.

Mr. D. V. Johnston, Head Master of Newtown Intermediate School, has been appointed Head Master of Lewis School, Pengam. He graduated as a Wrangler in Cambridge University.

Personal.

Mr. W. St. Bodfan Griffith, of Uppingham School, has been appointed to the Head Mastership of Friars' School, Bangor. He obtained First Class in both parts of the Natural Science Tripos, Cambridge.

Mr. T. R. Coombes, of Lincoln Choir School, has been appointed Head Master of Llandaff Cathedral School.

The students of Swansea Training College have sent the following petition to all the Welsh education authorities:—"We, the students of Swansea Training College, have been considering the question of commencing salaries established by various education authorities for certificated teachers entering their employ from college, and we feel that the minimum salary has not received the same attention as the maximum. We beg to draw your attention to the following points: The high cost of living at the present day. The late age at which a teacher commences to earn. The smallness of the salary in comparison with the wages received by women of similar ages in other trades and professions—qualified girl chemists receive £3 or £3. 10s. per week. The frequent demand made upon teachers for contributions towards charitable and philanthropic movements and institutions. The need for women teachers to keep up a good appearance in order to secure the respect of those amongst whom they live and work. The need of a good initial salary to enable students to show in a practical way their indebtedness to parents and friends who have helped them in their college career. We suggest, therefore, that the minimum salaries be increased in proportion to the cost of living, thus lessening the gap between the minimum and the maximum."

On June 17, Dr. A. H. Trow was appointed Principal of the University College, Cardiff. Out of twelve applicants, five were selected to appear before the Council for an interview. Dr. Trow has been Acting Principal since the retirement of Dr. E. H. Griffiths, and therefore has already had some experience of the difficulties and responsibilities of the post. The new Principal is a native of Newtown, Montgomeryshire, and was educated at the Normal College, Bangor, and at the University College, Aberystwyth. In 1893 he was appointed Professor of Botany at Cardiff, and in 1899 obtained the D.Sc. of London University. He is fifty-six years of age.

SCOTLAND.

Prof. David MacEwan has resigned the Chair of Surgery in the University, which he has held for twenty-one years. The Bacteriology Department of the University, at University College, Dundee, is now being fully equipped under the management of Dr. W. J. Tulloch, Lecturer in Bacteriology, and it is proposed to carry out in the laboratory examinations of material submitted by local public health authorities under their V.D. schemes.

St. Andrews.

President Poincaré, Lord Rector of the University, has announced his intention to visit Glasgow before the expiry of his tenure of office on October 25.

Glasgow.

Ordinances for the foundation of the William Jacks Chair of German and the Chair of Mercantile Law have been approved by Orders in Council, and appointments to these Chairs, as well as to the Chair of French, will probably be made at an early date. An Ordinance providing for pensions or allowances for lecturers, assistants, &c., has also been approved. On

the recommendation of the Senate, the University Court has approved the removal of the restrictions on bursaries and scholarships which have been suspended or postponed in consideration of the absence of candidates on war service. There is expected to be a very large increase in the number of students attending the University next autumn, and the University Court has approved a proposal of the Senate that intending students be asked to give information as to the classes they desire to attend next session. It may not be possible to provide accommodation for all new students. The Educational Institute has suggested to the University Court that the secondary schools and the women students of the University should be represented on the Universities Entrance Board. The Court has replied that the present constitution of the Board has recently been fixed by Ordinance, and that the Court has no power to make a change. Mr. John Bruce, Inverallan, Helensburgh, has given £40 to the University for the purchase of a silver coin of Crete, of which only two other examples are known, one in Florence and the other in Paris. The coin is believed to have been taken away from the University collection in one or other of the thefts which are known to have occurred. The coin has been gradually traced from one collection to another. The British Museum had acquired an option on it, but has allowed it to be restored to the original collection.

At a meeting called by the Institution of Engineers and Ship-builders in Scotland it was resolved to commemorate the centenary of the death of James Watt by raising a fund to provide additional training facilities for engineers and to increase the endowment of the Engineering Department of the University. It is suggested that an additional Chair of Engineering should be founded. The sum considered necessary for the purposes of the memorial is £50,000, and over £6,000 has been subscribed already.

The Senatus has resolved to confer the honorary degree of LL.D. on Emeritus Prof. Cash, formerly Professor of Materia Medica in the University; Emeritus Prof. Japp, formerly Professor of Chemistry; Admiral Sir Roger Keyes; Dr. John Scott Riddell, Red Cross Commissioner at Aberdeen during the War; and Mr. William Howard Taft, formerly President of the United States.

On May 28 Sir Douglas Haig received the freedom of Edinburgh, his native city, as well as the honorary degree of LL.D. from the University. Prof. G. F. Stout, St. Andrews University, is giving his first course of Gifford lectures in Natural Theology at Edinburgh University. His subject is "Mind and Matter in Man and the Universe." Dr. John Tait, Lecturer in Experimental Physiology and senior assistant to Prof. Sir E. A. Schafer, has been appointed to the Chair of Physiology at McGill University, Montreal. He served for over two years with the R.A.M.C. in Macedonia and Italy.

Edinburgh.

Prof. Graham Kerr, of Glasgow University, has contributed to the Royal Philosophical Society of Glasgow an interesting paper on the importance of science in education. He emphasizes the value of elementary physics in a general education and as the basis of study in the more complex biological sciences. He is also convinced of the importance of scientific knowledge in relation to the problems of society and the State. In this connexion he holds that it is necessary to develop popular literature and popular lectures on science, and he suggests that the Corporations of University cities should give the use of one of their halls on one evening each week during the winter season for lectures by the best qualified local representatives of various departments of science. Prof. Graham Kerr's argument is perfectly sound, and his paper may be read with profit, not only by teachers of science, but by all who are concerned in the general education of the community.

Science and Education.

The Governors of the College are endeavouring to obtain a new development fund of £100,000, for the purposes of increasing the staff, improving the facilities of the College for conducting inquiries designed to aid the development of local industries, providing research studentships, and furthering the general purposes of the College. Application has been made to the Government for aid from public funds to meet its most urgent necessities, arising, first, from an increase of £3,000 in the annual cost of heating and maintaining the building—the largest structure in the country devoted to education; and, second, necessary additions to salaries, in order to provide for its 600 day students and nearly 5,000 evening students. The Secretary for Scotland has intimated that the College is to receive an annual grant of £3,000 and a special non-recurrent grant of £6,000. This will meet about one-half of the additions to pre-war expenditure.

Mr. Hugh McCallum, one of the Committee's principal Lec-

(Continued on page 460.)

SOME USEFUL BOOKS FOR THOSE PREPARING FOR THE 1920 EXAMINATIONS.**ENGLISH.****THE NEW HUDSON SHAKESPEARE.**

With Introduction and Notes by HENRY NORMAN HUDSON, LL.D. Edited and Revised by E. C. BLACK, Ph.D., Glasgow, with the co-operation of A. J. GEORGE, Litt.D. Each volume **1s. 9d. net.**

The following volumes are now ready:— **AS YOU LIKE IT. CORIOLANUS. HAMLET. HENRY V. JULIUS CAESAR. KING JOHN. KING LEAR. MACBETH. MERCHANT OF VENICE. MIDSUMMER NIGHT'S DREAM. MUCH ADO ABOUT NOTHING. RICHARD II. RICHARD III. ROMEO AND JULIET. THE TEMPEST. TWELFTH NIGHT.** (Illustrated Prospectus on application.)

THE STANDARD ENGLISH CLASSICS SERIES.

While not encumbered with editorial matter, each volume in this series contains notes and introductory material, which includes a biography of the author and other information designed to help the student to form a critical estimate of the classic as a work of art, and to appreciate the reason for the place which has been assigned in literature to the book and its writer.

The following is a selection of the volumes in the Series. A complete list will be sent post free on application:—

ARNOLD: SOHRAB AND RUSTUM (with other Poems, including **THRYSIS** and **THE SCHOLAR GIPSY**). **1s. 6d. net.**

AUSTEN: PRIDE AND PREJUDICE. **3s. net.**

BURKE: SPEECH ON AMERICAN TAXATION. **1s. 6d. net.**

BURKE: SPEECH ON CONCILIATION WITH AMERICA. **1s. 9d. net.**

COLERIDGE: Selections (THE ANCIENT MARINER, CHRISTABEL, and KUBLA KHAN). **1s. 6d. net.**

DICKENS: TALE OF TWO CITIES. **2s. 9d. net.**

ELIOT: SILAS MARNER. **1s. 9d. net.**

GOLDSMITH: THE VICAR OF WAKEFIELD. **1s. 9d. net.**

GOLDSMITH: SHE STOOPS TO CONQUER. Illustrations by C. E. BROCK. **1s. 9d. net.**

GRAY: ELEGY IN A COUNTRY CHURCH-YARD (with Goldsmith's **DESERTED VILLAGE** and **TRAVELLER**). **1s. 6d. net.**

LAMB: ESSAYS OF ELIA. **2s. 3d. net.**

MACAULAY: ENGLAND IN 1685 (Chapter III of History of England). **1s. 9d. net.**

MACAULAY: ESSAYS ON ADDISON AND MILTON. **1s. 9d. net.**

MILTON: L'ALLEGRO, IL PENSEROSO, COMUS, and LYCIDAS. **1s. 6d. net.**

POPE: RAPE OF THE LOCK, and other Poems (including the ESSAY ON MAN). **1s. 9d. net.**

MODERN LANGUAGES.**FRENCH.**

COLIN: CONTES ET SAYNETES. Edited with Notes and Vocabulary by T. F. COLIN. **2s. net.**

CORNEILLE: LE CID. Edited with Introduction, Notes, and Vocabulary by C. SEARLES. **2s. 3d. net.**

LABICHE AND MARTIN: LE VOYAGE DE M. PERRICHON. Edited with Notes, Exercises for Composition, Questions for Conversation, and Vocabulary by I. H. B. SPIERS. **1s. 6d. net.**

LA FONTAINE: ONE HUNDRED FABLES. Edited with Notes and Vocabulary by O. B. SUPER. **2s. 3d. net.**

MOLIÈRE: LES PRÉCIEUSES RIDICULES. Edited with Introduction, Notes, and Vocabulary by W. W. DAVIS. **2s. 6d. net.**

POTTER: DIX CONTES MODERNES DES MEILLEURS AUTEURS DU JOUR. Edited, with Notes, by H. A. POTTER. **1s. 9d. net.**

(A complete catalogue of modern language publications, including **Spanish** and **Italian** books, will be sent post free on application.)

GERMAN.

GOETHE: HERMANN UND DOROTHEA. Edited with Introduction, Notes, Exercises, and Vocabulary by P. S. ALLEN. **3s. net.**

GOETHE: IPHIGENIE AUF TAURIS. Edited with Introduction, Notes, Repetitional Exercises, and Vocabulary by P. S. ALLEN. **3s. net.**

HEINE: DIE HARZREISE, with some of Heine's best known Poems. Edited with Introduction, Notes, and Vocabulary by L. R. GREGOR. **2s. 6d. net.**

KLEIST: PRINZ FRIEDRICH VON HOMBURG. Edited with Introduction, Notes, and Bibliography by J. S. NOLLEN. **2s. 9d. net.**

LESSING: MINNA VON BARNHELM. Edited with Introduction, Notes, and Vocabulary by R. A. VON MINCKWITZ and A. C. WILDER. **2s. 6d. net.**

SCHILLER: WILHELM TELL. Edited with Introduction, Notes, Vocabulary, and Exercises by J. B. VOS. **3s. 6d. net.**

HISTORY.

A SHORT ANCIENT HISTORY. By J. H. BREASTED. 334 pages. Illustrated. **5s. 6d. net.**

ANCIENT TIMES: A HISTORY OF THE EARLY WORLD. By J. H. BREASTED. 742 pages. Illustrated. **7s. 6d. net.**

MEDIEVAL AND MODERN TIMES. By J. H. ROBINSON. 777 pages. Illustrated. **7s. 6d. net.**

AN INTRODUCTION TO THE HISTORY OF WESTERN EUROPE. By J. H. ROBINSON.

In One Volume. 714 pages. **7s. 6d. net.**

In Two Volumes. Vol. I (From the time of the Barbarian Invasions to the close of the Fifteenth Century). **5s. 6d. net.**

Volume II (From the opening of the Sixteenth Century to the opening of the Twentieth Century). **5s. 6d. net.**

READINGS IN EUROPEAN HISTORY (To accompany the **Introduction to the History of Western Europe**). In two volumes, each **7s. 6d. net.** Abridged Edition in one volume. **7s. 6d. net.**

THE DEVELOPMENT OF MODERN EUROPE. By J. H. ROBINSON and C. A. BEARD.

In Two Volumes. Volume I, The Eighteenth Century: The French Revolution and the Napoleonic Period. 362 pages. **7s. 6d. net.**

Volume II, Europe since the Congress of Vienna. 448 pages, and an eighty-page supplement which brings the narrative down to August, 1918. **7s. 6d. net.**

READINGS IN MODERN EUROPEAN HISTORY (To accompany *The Development of Modern Europe*). Two volumes, each **7s. 6d. net.**

Complete catalogue on application.

GINN AND COMPANY, 9 St. Martin's Street, Leicester Square, London, W.C.2

Glasgow Provincial Committee.

turers in Method, has been appointed Director of Studies, in succession to Mr. D. Macleod, who retires in September under the age limit. The Joint Committee of the four Provincial Committees has suggested that the University authorities should consider the question of instituting a degree of B.A. on the successful completion of a five-subject curriculum, which could be taken concurrently with a three-years' course under the Provincial Committees. The number of students who will be admitted to training during the current session will be only about twenty more than last year, notwithstanding the return of demobilized men, as there are about fifty fewer women entrants.

At the invitation of the Scottish Education Department, a Conference of representatives of Education Authorities met in Edinburgh on May 16 and resolved to form an Association of Scottish Education Authorities. An interim committee was appointed to draft a Constitution for the Association. One of its immediate duties will be the consideration of a national scale of teachers' salaries.

Association of Education Authorities.

The draft scheme of superannuation under the Education (Scotland) Superannuation Act was tabled in the House of Commons on June 6.

Teachers' Pensions.

The Conference of the Institute at Dumfries in May rejected by a large majority a resolution in favour of admitting into the profession demobilized Service men and other people with a good education.

Educational Institute.

The Treasury has intimated that it will no longer be necessary for local authorities to obtain the sanction of the Treasury for capital expenditure, and accordingly the Scottish Education Department announce that they are now in a position to deal finally with any applications that may be made for consent to the raising of a loan. The Department impress upon Education Authorities the necessity for acting in this matter with due deliberation, and suggest that plans inherited from an authority's predecessors should be most carefully reconsidered.

Loans and School Buildings.**IRELAND.**

The proposed Bill for the reform of Irish education is eagerly awaited. Meanwhile there is an increasing feeling of unrest and dissatisfaction with the present conditions. The grounds for this are obvious. In the rest of the United Kingdom, education has been placed upon a new footing and given generous and enlightened assistance, with possibilities of rapid progress. The estimates there show an increase for the year of £12,000,000. In Ireland, two Vice-Royal Committees have proposed important reforms and have made suggestions which are generally recognized as reasonable and essential. Of all the teachers in the United Kingdom, those in Irish intermediate schools and technical schools alone have received no financial aid since the War began, and it is a literal fact that many of them find it almost impossible to make ends meet. The Government in the House of Commons has done little to mollify the discontent. The Irish Attorney-General, when asked why the Duke grant of £50,000 was not being increased this year as an equivalent grant as he himself had promised, fell back upon the evasive reply that its amount depended upon the grant to education as a whole. What the Attorney-General does not seem to have grasped is that the new Bill for Irish education, even assuming that it is passed, will do nothing for teachers this year, and it is this grievance that the natural and automatic increase of the Duke grant would have largely met.

Reform of Irish Education.

The National teachers are the only class in Ireland which have received War bonuses. They put forward this year a claim for an increase in them, and this having come before the Conciliation and Arbitration Board in London, the following award was agreed upon: Men, £60 per annum; women (including teachers in convent schools), £50; junior assistant mistresses, £40. These awards date from April 1 and represent an increase on previous War bonuses of £15. 10s. for men, £12 for women, and £6 for junior assistant mistresses.

War Bonuses.

The annual Irish Technical Congress met in Dublin in June, with Sir Bertram Windle, President of University College, Cork, in the chair. His address was devoted to the present condition of technical education in Ireland and the difficulties from which

The Technical Congress.

it was suffering. Pleading the claims of teachers, he said he was sometimes told he should think first of the pupils, to which his reply was that in thinking of the teachers he was in fact thinking of the pupils, for whom the teachers exist. He summed up the programme for teachers under three F's: Fixity of tenure, Fair salaries, and Freedom from anxiety for old age. The income of the Department had diminished and the expenses of the technical committees had increased, and the immediate prospect was that there was not only no hope of opening the new classes that were required, but some of the present classes must be closed. Summing up a general discussion on technical instruction, Mr. Fletcher, Secretary to the technical education side of the Department, said that the plain issue was that, even to maintain the work at the pre-War standard, largely increased funds were required. Apprentices must be allowed time in the day to attend technical classes at the local school, as evening classes were utterly inadequate for their education. Where demanded, special classes were formed and apprentices were given maintenance allowance by the Department. In these classes they should receive their technical instruction, which should not begin until boys left the primary schools, where they should obtain the requisite general education.

How important this last point is, is shown by the facts concerning evening continuation classes in Dublin, which have lately been published in a little pamphlet containing a report of the deputation to the Irish Government on this subject. In the National boys' schools in Dublin there are 1,700 in the third standard; of these, 1,200 reach the fourth and 800 the fifth standard. More than one-half the boys leave school with a very low mental equipment, and more support is necessary for the maintenance of efficient continuation classes, but the deputation received very scant encouragement from the Government, although it was representative of all educational interests and strongly supported by the Dublin Juvenile Advisory Committee of the Ministry of Labour.

The new Provost of Trinity is the Most Rev. J. H. Bernard, D.D., Lord Archbishop of Dublin, who was born in 1860, entered Trinity College in 1876, and was elected a Fellow in 1884. He was for many years Archbishop King's Lecturer in Divinity, became Dean of St. Patrick's in 1902, Bishop of Ossory in 1911 (when he resigned his Fellowship), and Archbishop of Dublin in 1915. He is also President of the Royal Irish Academy, a Commissioner of Intermediate Education, and has made many contributions to divinity, philosophy, and Irish archaeology.

Continuation Classes in Dublin.

The University College, Cork, has for some time wished to break off from the National University and to become an independent University for the province of Munster. There are always difficulties about a federal University like the National University, which consists of colleges in Dublin, Cork, and Galway, as well as Maynooth. The *locus standi* of Cork was brought before the Senate of the National University, which referred the matter to a meeting of Convocation early in June. The question, unfortunately, has become mixed up with politics, and Convocation decided against the claims of Cork to be a separate University, one of the arguments being that the establishment of a new University there would require an Act of Parliament at Westminster. It is only, however, in general opinion, a matter of time before a new University is established in Cork, and then the constitution of the National University, and the relationship to it of the college in Galway, will require revision.

The Department of Agriculture has published the spring number of its quarterly *Journal*. The articles deal with potato diseases, the poultry industry, tobacco growing, the Irish hunter, flax seed, calf rearing and diseases, egg laying, and Red Cross work in the College of Science; and also contains various official documents dealing with different phases of the Department's work.

The Provost of Trinity.**A University for Munster.**

The Department of Agriculture has published the spring number of its quarterly *Journal*. The articles deal with potato diseases, the poultry industry, tobacco growing, the Irish hunter, flax seed, calf rearing and diseases, egg laying, and Red Cross work in the College of Science; and also contains various official documents dealing with different phases of the Department's work.

SCHOOLS.

LANCING COLLEGE ENTRANCE SCHOLARSHIPS.—The following candidates have been elected: H. Trevelyan, classics and English (Mr. P. Stubbs, Fuzie Close, Barton-on-Sea); E. P. Merritt, classics (Rev. W. N. Willis, Ascham St. Vincent's, Eastbourne); R. C. Kimmerring, French and English (Mr. M. M. Snow, Northdown Hill School, Margate); F. O. Harcourt Williams, mathematics (Mr. G. Atkinson, The Limes, Croydon); T. Wyatt, mathematics (Mr. L. W. Paul, The Dene, Caterham); S. M. Frazer, mathematics and science (Mr. M. M. Snow, Northdown Hill School, Margate); R. T. Davidson,

(Continued on page 462.)

A SELECTION OF MODERN TEXT-BOOKS FROM MR. MURRAY'S LIST.

CLASSICS.

(By Professors WALTERS and CONWAY.)	
Greek: Deigma. A First Greek Book	4s.
Latin: Limen. A First Latin Book. Fifth Edition, 60th Thousand	3s.
Ante Limen. For Younger Beginners	2s.
Ad Limen. For more advanced Study	3s.
(By Sir WM. SMITH.)	
Initia Graeca, Part I: A complete Elementary Greek Course	4s.
Principia Latina, Pt. I: A complete Elementary Latin Course	4s.
(Keys to most of the above books can be obtained by Teachers.)	
Smaller Latin-English Dictionary	9s.
First Latin-English Dictionary	3s.
Classical Atlas, New Edition	7s. 6d. net.
Smaller Classical Dictionary (Revised)	9s.

ENGLISH.

(Based on the New Terminology.)	
Morgan's English Grammar, 40th Thousand	2s.
Kitchener's English Composition	2s.
O'Grady's Matter, Form, and Style	2s. 6d.
(By Professor WEEKLEY.)	
The Romance of Words	3s. 6d. net.
The Romance of Names	3s. 6d. net.
Surnames	6s. net.
(By Professor WYLD.)	
The Historical Study of the Mother Tongue ...	9s. net.
A Short History of English	7s. 6d. net.
The Growth of English	4s. net.
Edmunds's Story of English Literature, 3 vols	
Student's History of English Literature	9s.
Boas's Shakspeare and his Predecessors	6s. net.
Raleigh's The English Novel	3s. 6d. net.

Write for a detailed Catalogue of

BOOKS FOR SCHOOL PRIZES.

MODERN LANGUAGES.

Poole's Grammaire Élémentaire	3s.
Poole and Lassimonne's Textes et Questions: Part I, 2s.; Part II ...	3s.
De Arteaga's Practical Spanish. Part I	4s.
Part II	5s.
Balshaw's Spanish Reader	3s. 6d.
Smith's Italian Principia. Part I, Grammar	4s.
Part II, Reader ...	4s.

HISTORY.

Jenks's Government of the British Empire ...	7s. 6d. net.
Fletcher's England. In four volumes	7s. 6d. each.
Thatcher and Schwill's General European History: 10s. 6d., or in 2 vols.	5s. 6d. each.
Lodge's Modern Europe	9s.
Introductory History of France	3s.
Smith's Smaller Rome and Greece	4s. each.
Hardwich and Costley White's Old Testament History. In five periods	2s. 6d. each.
Menzies' History of Religion	6s. net.

SCIENCE, &c.

Halliburton's Physiology. Fourteenth Edition. Revised, with an Appendix on War Diet	16s. net.
Thomson's Study of Animal Life	6s. net.
Gamble's Animal Life	6s. net.
Rogers's Junior Chemistry	4s.
Russell's Volumetric Analysis	2s. 6d. net.
Leonard and Salmon's Exercises in Physics ...	1s. 6d.
Clinton's Electric Wiring	3s. net.
Benson's Rudiments of Handicraft	1s. net.

MATHEMATICS.

Consterdine and Barnes's Practical Mathematics. 72nd Thousand.	2s.
Pressland's Arithmetic	3s.
Langley's Algebra. Part I, 2s.; Part II ...	2s. 6d.
Layng's Geometry	3s. 6d.
Andrew's Geometry	3s. 6d.

AGRICULTURE.

(By Sir DANIEL HALL, F.R.S.)	
The Soil	6s. net.
Fertilizers and Manures	6s. net.
The Feeding of Crops and Stock	6s. net.
Auld and Ker's Prac. Agricultural Chemistry	
Edwardes-Ker's Chemistry of the Garden	2s. net.
Fream's Elements of Agriculture	7s. 6d. net.

COMMERCE, &c.

Abbott's Commercial Theory and Practice ...	4s.
Warren's Commercial Knowledge	3s. net.
Poole's Commercial French. In two parts ...	3s. each.
Hein's Commercial German. Part I	4s.
Part II	5s.
Armitage Smith's Principles of Taxation	3s. 6d. net.

MISCELLANEOUS.

Mill's Realm of Nature (Physiography)	6s. net.
Minshall's Elocution	1s. 6d. net.
Brackenbury's Primer of Psychology	2s. net.
Jones's Primer of Logic	2s. net.
Rappoport's Primer of Philosophy	1s. 6d. net.
Shedlock's Art of Story Telling	5s. net.

Write for Catalogue.

Full Particulars of any of the above on application.

JOHN MURRAY, 50a ALBEMARLE STREET, LONDON, W.1.

classics and French (Rev. F. D. Browne, Lambrook, Bracknell); R. J. Wilkinson, classics (Mr. H. Rennie Brown, Merton House, Hove); J. C. Walters, mathematics and modern languages (Miss Marshall, Wykeham House, Worthing); S. C. Cruickshank, English (Mr. J. Cruickshank, Edinburgh House, Lee-on-Solent).

BOOKS OF THE MONTH.

Classics.

Collar and Daniell's First Year Latin. Revised by Thornton Jenkins. Ginn. Price 5s. net.

Education.

Board of Education.—Educational Pamphlets. Memoranda on Promotion in Elementary Schools in London. H.M.S.O. Price 6d. net.

The Selection and Training of the Business Executive. By Prof. E. B. Gowin. Macmillan. Price 8s. net.

The Measurement of Intelligence. By Prof. L. M. Terman. Harapp. Price 7s. 6d. net.

Test Material for the Measurement of Intelligence. By Prof. L. M. Terman. Harapp. Price 3s. 6d. net.

República Oriental del Uruguay: Anales de Instrucción Primaria, Año XV-XVI, Tomo XV (Nos. 1-12). Montevideo.

Modern Education in Europe and the Orient. By Prof. D. E. Cloyd. Macmillan. Price 7s. 6d. net.

Suggestions of Modern Science concerning Education. By H. S. Jennings, J. B. Watson, A. Meyer, and W. I. Thomas. Macmillan. Price 5s. 6d. net.

The Boxers' Indemnity and Education. *The Central Union of the Chinese Students in Great Britain.*

Militarism in Education. By J. Langdon-Davies. Headley. Price 2s. 6d. net.

Report of the Seventh Annual Conference of Educational Associations: January 1919. *Conference Committee.* Price 4s.

Outdoor School Work. By J. E. Feasey. Pitman. Price 3s. 6d. net.

The Calendar of the University of Wales, 1918-19. Oswestry: Woodall, Minshall, Thomas, & Co. Price 1s. 6d.

Oxford after the War and A Liberal Education. By Prof. J. A. Stewart. Blackwell. Price 1s. 6d. net.

Problems of National Education. By Twelve Scottish Educationists. Edited by John Clarke. With a Prefatory Note by the Right Hon. R. Munro. Macmillan. Price 12s. net.

The Intuitive Basis of Knowledge: An Epistemological Inquiry. By Prof. N. O. Lossky. Authorized Translation by N. A. Duddington. With a Preface by Prof. G. Dawes Hicks. Macmillan. Price 16s. net.

Some Christian Ideals in the Teaching Profession. By A. S. Paul. *Student Christian Movement.* Price 3s. net.

The Education Problem in Leeds. Leeds: *Education Department.*

A New School in Belgium. By Prof. A. F. de Vasconcellos. Translated from the French by E. and C. Paul. Harapp. Price 5s. net.

English.

Macmillan's Pocket Classics.—The Adventures of Oliver Twist. By Charles Dickens. Edited, with Introduction and Notes, by F. W. Pine.—English Essays from Bacon to Lucas. Edited, with Introduction and Notes, by D. T. Pottinger.—The Rivals; and The School for Scandal (reprinted). By R. B. Sheridan. Edited, with Introduction and Notes, by Dr. W. D. Howe. Macmillan. Price 1s. 6d. each.

The Victory Readers. Books I and II, 8d. each; Book III, 10d.; Book IV, 1s. Nelson.

A New Grammar Book. By A. Catnash. Blackie. Price 2s. 6d. net.

Stories from Spenser. By M. S. Smith. Cambridge University Press. Price 3s. net.

The Lure of the Pen: A Book for Would-be Authors. By Flora Klickmann. R.T.S. Price 7s. net.

The Pronunciation of Standard English in America. By Prof. G. P. Krapp. Oxford University Press. Price 7s. 6d. net.

The Poet's Craft: An Outline of English Verse Composition for Schools. By F. W. Felkin. Hampstead: *The Author, University College School.* Price 2s.

The Essentials of English Teaching. By Members of the English Association. Longmans. Price 1s.

(Continued on page 464.)

HARRAP'S LATEST PUBLICATIONS.

HARRAP'S INTRODUCTORY ALGEBRA. By WILLIAM FARQUHARSON, M.A., Daniel Stewart's College, Edinburgh. Cr. 8vo, 180 pages, with Answers, 2s. net. Also without Answers, 1s. 9d. net.

From the Principal of a Preparatory School:—"Farquharson's Algebra is first-rate, and I shall put an order through in due course. I hope the book will have the success it deserves, for, of the large number of elementary Algebras I have perused in my search for something suitable for beginners, this is the only one that appears to have realized and provided for the extraordinary difficulty of the subject for small boys."

ENGLISH EXTRACTS AND EXERCISES. For Comparative Study and Training in Composition. By F. H. PRITCHARD, Lecturer in Literature at the Municipal Technical School, Devonport. Large cr. 8vo, 256 pages, 2s. 6d. net.

An admirable practice-book in English for lower and middle forms in secondary schools and for upper classes in primary schools. The main idea is to centre all the week's work in English round a suitable extract. The exercises are abundant and in many cases novel in character. No essential point in elementary English is left untouched, and wherever possible opportunity is taken to stimulate interest in the author or extract under consideration.

A SCHOOL GRAMMAR OF PRESENT-DAY FRENCH. By J. E. MANSION. Crown 8vo, 256 pages. 3s. 6d. net.

A new French Grammar for middle and senior forms, special features of which are the stress laid on fundamental principles, and careful differentiation between the normal constructions of the language and those which belong to emotional, colloquial, or literary expression.

EN CAMPAGNE. By MARCEL DUPONT. Edited by G. Bossett, L. & L., with Notes, Re-translation Exercises and Vocabulary. Small crown 8vo, 192 pages, 2s. net.

Incidents of the French campaign in 1914-15 as seen by a French Cavalry Officer who has also served in the French Flying Corps. The style is simple, and the narrative vivid.

EN FRANCE. With Notes, Oral Exercises, and Vocabulary, by Prof. C. FONTAINE, Columbia University. Fully illustrated. Crown 8vo, 224 pages, 2s. 6d. net.

This new reader gives in pleasant idiomatic French a description of the country and people both in Paris and in the provinces.

MARGUERITE ET SES AMIS. Livre de Lecture et de Conversation de la deuxième année. By V. LOUIS. With Illustrations, Exercises, Vocab., and Model Scenes for Acting. Cr. 8vo, 120 pages, 1s. 9d. net. Seventeen illustrated readings descriptive of the daily life of a little girl, followed by four scenes dialogues for acting at school or at home.

A FIRST SPANISH COURSE. By Profs. E. C. HILLS and J. D. M. FORD. With Exercises and Vocabularies. Crown 8vo, 340 pages, 4s. 6d. net. Key, for Teachers only, 5s. 3d. net.

This easier course is designed for much younger pupils than the Authors' previous work.

PEQUEÑO VOCABULARIO. By ALBERT A. MÉRAS, Ph.D. Size 5½×3 inches, 72 pages, limp cloth, 8d. net.

This book contains classified lists of two thousand Spanish words with English equivalents.

CAPÍTULOS ESCOGIDOS DE V. BLASCO IBÁÑEZ. With Notes and full Vocab., by E. ALEC WOOLF, D.Lit. Crown 8vo, 188 pages, 2s. net.

Selections—each one complete in itself—from the words of the foremost Spanish novelist of the present day, whose works have been translated into every European language.

PSYCHOLOGICAL TESTS.

THE MEASUREMENT OF INTELLIGENCE. By LEWIS M. TERMAN, Professor of Education in Leland Stanford Junior University. With an Introduction by Prof. J. J. FINDLAY. Large Crown 8vo, 384 pages, 6s. net. (Prospectus on application.)

The constant and growing use of the Binet-Simon intelligence scale in Europe and America is evidence of the intrinsic worth of the method. This book is the first comprehensive and detailed account of the system prepared for the use of educators in dealing with school children, and the outstanding merit of Prof. Terman's work lies in the craftsmanship displayed in presenting the whole subject to the English student who has not previously been able to secure a ready means of understanding the Binet method, or of training himself in its procedure.

TEST MATERIAL FOR THE MEASUREMENT OF INTELLIGENCE. To accompany the above. By Prof. LEWIS M. TERMAN. 3s. 6d. net.

"All intelligent teachers will agree with Professor Findlay who introduces Professor Terman's valuable and welcome book to the scholastic world on this side of the Atlantic, in giving it a cordial reception. The Binet-Simon tests are known by name to a large number of teachers and teacher-students, who nevertheless have found it difficult to get a concise account of what exactly they stand for and how they are worked. Their difficulties are now cleared away. Professor Terman, who is less well known in Britain than he deserves to be, has supplied in a well-arranged volume of moderate compass all that the beginner requires to know, and with the aid of the test material supplied any one can start on the helpful and interesting task of measuring with some degree of accuracy the intelligence of his pupils. Child-study is apt to degenerate into somewhat poor work, but with Professor Terman as a guide it may be done on scientific lines."—*Glasgow Herald*, June 13th, 1919.

Complete Catalogue containing particulars of many
IMPORTANT NEW BOOKS—AND SERIES
will be forwarded upon application to the Publishers.

London: GEORGE G. HARRAP & CO., LTD.

Directors: GEORGE G. HARRAP & G. OLIVER ANDERSON.

2 & 3 Portsmouth Street, Kingsway, W.C.2.

SLOT WEIGHTS

FOR THE

Mechanics Laboratory

Raw material is now available, and we shall shortly be able to supply large quantities in both English and Metric denominations.

Slot Weights from one-hundredth pound to one hundred pounds and from five grams to fifty kilograms.

Weight Hangers to suit.

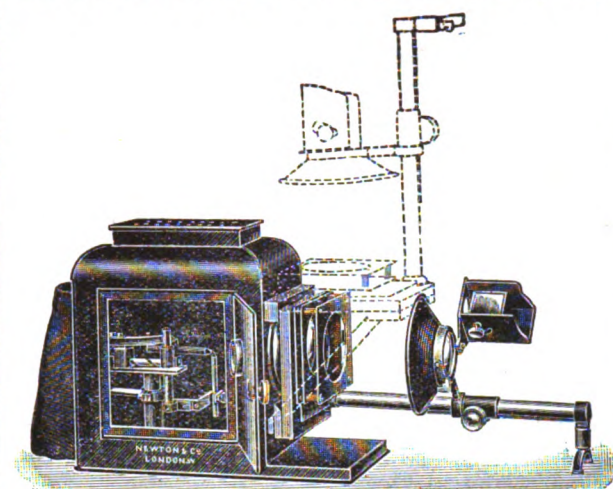
G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.

OPTICAL LANTERNS

AND SLIDES

for use in

COLLEGES, SCHOOLS, and other EDUCATIONAL INSTITUTIONS.

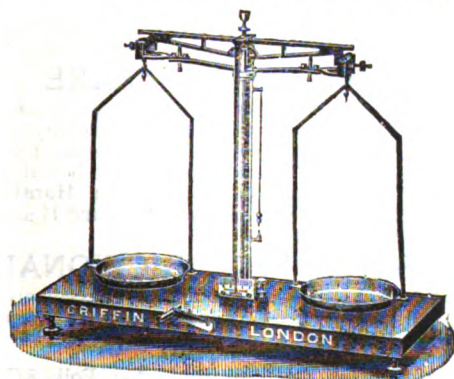


SCIENCE LANTERNS for LECTURES and DEMONSTRATIONS.

NEWTON & CO.

(Established over 200 years),
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.
KEMBLE STREET,
KINGSWAY, LONDON, W.C.2.
MAKERS OF PHYSICAL AND ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES
MANUFACTURED BY
GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLenkAMP
—& Co., Ltd.—

19-21 SUN STREET
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

BRITISH MADE GLASSWARE.

Beakers, Flasks, Basins, Funnels, Bell Jars,
Aspirators, Condensers, Hydrometers,
Thermometers, &c.

BRITISH MADE PORCELAIN.

Basins, Crucibles, Casseroles, Dye Pots,
&c.

BRITISH MADE FILTER PAPERS.

To replace the various S & S qualities.

BRITISH MADE NICKEL WARE.

Basins, Crucibles, Spatulas, &c.

Prices on Application.

Telephone—LONDON WALL 1404 & 1405.
Telegrams—"GALLenkAMP, FINSQUARE, LONDON."

Australasian Literature Primers.—Milton. By R. Lawson. *Whitcombe & Tombs*. Price 1s. 6d.
 English Literature during the Last Half-century. By Prof. J. W. Cunliffe. *Macmillan*. Price 10s. 6d. net.
 Formative Types in English Poetry. By G. H. Palmer. (The Earl Lectures of 1917.) *Constable*. Price 7s. 6d. net.
 The Arden Shakespeare.—The Second Part of Henry the Fourth. Edited by L. Winstanley. *Heath*. Price 2s. 6d. net.

French.

Harrap's Bilingual Series (French-English).—(1) The Gold Bug. By E. A. Poe. (2) Lettres de mon Moulin. Par Alphonse Daudet. (3) Les Jumeaux de l'Hôtel Corneille. Par E. About. *Harrap*. Price 1s. 6d. net each.
 Pitman's Progressive French Grammar. By Dr. F. A. Hedgcock. Complete Edition. *Pitman*. Price 5s. 6d. net.

Geography.

The Foundations of Geography in the Twentieth Century. By F. Schrader. (Herbertson Memorial Lecture, 1919.) *Clarendon Press*. Price 2s. 6d. net.
 Collection Gallia.—Paris pour Tous Atlas. Par Dr. J. G. Bartholomew. Texte par Edward Jefford. *Dent*. Price 2s. 6d. net.
 The Use of the Terrestrial Globe. *Philip*. Price 2s. net.
 Macmillan's Practical Modern Geographies.—A Geography of America. By T. Alford Smith. Price 4s. 6d.
 Macmillan's Geographical Exercise Books.—Africa. With Questions by B. C. Wallis. Price 1s. 6d.
 The British Isles. By Leonard Brooks. *University of London Press*. Price 2s. 6d.

History.

World War Issues and Ideals. Edited by M. E. Speare and W. B. Norris. *Ginn*. Price 6s. 6d. net.
 The War and the Empire: Some Facts and Deductions. By Sir Charles Lucas. *Oxford University Press*. Price 1s. 6d. net.
 Ostend and Zeebrugge, April 23–May 10, 1918. The Dispatches of Vice-Admiral Sir Roger Keyes, and other Narratives of the Operations. Edited by Prof. C. S. Terry. *Oxford University Press*. Price 6s. 6d. net.
 (1) Chino-Japanese Treaties of 1915. (2) The World Peace and Chinese Tariff Autonomy. *Allen & Unwin*. Price 3d. net each.
 Edina Histories (Book III).—The Age of Discovery: The Tudor Period, 1485 A.D.–1603 A.D. By A. L. Westlake and T. Franklin. *Macmillan*. Price 1s. 4d.
 A Book of English History for Children: Part I. By L. Milroy and E. M. Browne. *Blackie*. Price 2s. 6d. net.
 The America of To-day: Being Lectures delivered at the Local Lectures Summer Meeting of the University of Cambridge, 1918. Edited by Dr. G. Lapsley. *Cambridge University Press*. Price 12s. net.

Mathematics.

A Manual of Trigonometry. By R. C. Buck. Fifth Edition, revised throughout, with Supplement. *Griffin*. Price 3s. 6d. net.
 Mathematical Papers for Admission into the Royal Military Academy and the Royal Military College; and Papers in Elementary Engineering for Naval Cadetships, for the Years 1909–1918. Edited by R. M. Milne. *Macmillan*. Price 7s.
 Exercises in Mathematics. By D. B. Mair. Parts I, II, III, IV, V, and VI. *Macmillan*. Price 1s. each.
 Differential Calculus for Colleges and Secondary Schools. By Dr. C. Davison. *Bell*. Price 6s.
 An Arithmetic for Preparatory Schools. By T. Dennis. Second Edition, Revised. *Bell*. Price 4s. 6d.
 The Analytical Geometry of the Straight Line and the Circle. By John Milne. *Bell*. Price 5s.
 Projective Vector Algebra. By Dr. L. Silberstein. *Bell*. Price 7s. 6d. net.

Miscellaneous.

Resources and Industries of the United States. By Prof. E. F. Fisher. *Ginn*. Price 3s. 9d. net.
 Principles of Political Economy. By T. N. Carver. *Ginn*. Price 8s. 6d. net.
 The Kingsway Series.—How to Make a Doll and Other Toys in the Classroom. By B. M. Goodwin. *Evans*. Price 2s. net.
 National and International Right and Wrong. Two Essays. By H. Sidgwick. With a Preface by the Right Hon. Viscount Bryce. (Reprinted from the Author's "Practical Ethics.") *Allen & Unwin*. Price 1s. 6d. net.

(Continued on page 466.)

THE MCDUGALL LIST

MON PETIT CAMARADE FRANÇAIS

Livre Premier. Par L. LAVALT, Paris; P. LESTUNG, Marseille; et B. DUMVILLE, London. Follows in the main the principles of the New Method. Copiously Illustrated. 272 pages. **2s. net.**

PETITE ESQUISSE DE LA LITTÉRATURE FRANÇAISE

By J. E. MANSION, B. ès L. An Excellent Selection. New Edition. **2s. net; boards.**

EXTRAITS DES AUTEURS, FRANÇAIS DU XVII^{ME} SIÈCLE

By J. E. MANSION, B. ès L. 288 pages. Cloth Boards, **2s. 6d. net.**

MCDUGALL'S PREPARATORY FRENCH

An easy, pleasant introduction. Cloth, **10d.**

FABLIAUX FRANÇAIS

A simple, attractive Illustrated Reader. **1s. 6d. net.**

GATEWAYS TO BOOKLAND

A series of delightfully Illustrated Literature Books for pupils of from 9 to 14. A very wide range of authors of all periods is drawn upon.

Winged Flights into Story Land 2s. 4d. *Within the Gates* 3s. *Vistas of Romance* - - - 2s. 8d. *In Kings' Gardens* 3s.

REGIONAL GEOGRAPHY OF THE WORLD

A Modern Scientific Treatment. Contains an abundance of Contour Maps in Colour and Black and White, with many Diagrams. A section of questions based on the text is a very valuable feature. Revised to date. 224 pages. Cloth covers, **2s. net.**

MODERN TIMES THE EMPIRE AND THE WORLD SINCE 1789.

A new edition of this remarkable book, revised to February, 1919, has been brought out. It explains the inwardness of events that have determined the history of these epoch-making days. An essential book for the future citizens of our race.

320 pages. Cloth boards, **2s. 6d. net.**

EVERYDAY COMPOSITION

A new book of Hints and Helps in Letter and Essay Writing. Excellent in every way. Cloth limp, **1s. net.**

PLAIN-TEXT SHAKESPEARE

In this edition of English Classics are given the greater plays of Shakespeare, unabridged but carefully edited for schools, and without notes. The books are full crown 8vo in size, most clearly printed, and bound in limp cloth. Price—each **6d. net**, except *Hamlet* and *Coriolanus* (each **9d. net**), and *Richard II* and *King Henry V* (each **8d. net**).

CONCISE SCHOOL DICTIONARY

Over 15,000 Words, Phrases, &c. Exceedingly useful Appendices. Boards or Limp Cloth, each **9d. net.**

SONGS OLD AND NEW

Contains 9 National, 19 British, 5 New Folk, 8 Classical Songs, 4 Glee, 19 Rounds. In Staff or Sol-Fa.

Paper, **6d.**; Cloth, **8d.**

Piano Edition, **4s. 6d. net**; by post, **5s.**

ADDRESS YOUR INQUIRIES TO

MCDUGALL'S EDUCATIONAL Co., Ltd.,
8 Farringdon Avenue, London, E.C. 4.

The TEACHERS' CHRISTIAN UNION.

ASSOCIATED WITH THE Y.M.C.A. AND Y.W.C.A.

President: The Rev. Canon A. A. DAVID, D.D., Head
Master of Rugby.Vice-Presidents: { The Rev. W. TEMPLE, D.Litt.
Miss M. H. WOOD, Litt.D.

Secretary: Miss F. STREET, M.A.

AIMS:—

1. To unite Teachers of all types and denominations, whether men or women, who hold a spiritual conception of education to be fundamental, believing that "Spirituality is the basis and foundation of human life rather than the apex or final attainment of it."
2. To seek through fellowship a clearer apprehension of the Christian Faith.
3. To contribute through Christian Education to the solution of social, international, and missionary problems.

The SECRETARY,
16 Russell Square,
London, W.C.1

will forward particulars of Subscriptions, conditions of membership, list of Branches, and publications. Among these are:—

- "Education: its Spiritual Basis and Social Ideals,"
being Report of 1918 Conference, post free 2/8.
"Ideals and Problems of Religious Education,"
being Report of Swanwick Conference, 1919,
post free, 2/2.

**THE SECONDARY, TECHNICAL AND UNIVERSITY
TEACHERS' INSURANCE SOCIETY**

(The S.T.U.T.I.S.)

Registered under the Friendly Societies Act, 1896. Regd. No. 1424 London.
Approved under the National Insurance Act, 1911. Approval No. 261.

Chairman: Sir JOHN D. McCURE, LL.D., M.A.

All persons whose main work is teaching other than in Public Elementary Schools are eligible for membership of this Society.

STATE SECTION:—

The forthcoming Valuation will, it is expected, show that this Section is in a very strong position and that valuable additional benefits will be able to be offered to its members. O1 03462

Members who have been insured for at least two years, and who are passing out of Insurance in consequence of the Superannuation Act, or of larger salaries, are entitled to become *Voluntary Contributors*, and thus share in the Additional Benefits which they themselves have helped to create.

DIVIDEND SECTION:—

This Section is independent of the State Section and is for the insurance of those teachers to whom the Insurance Act does not apply, or *who desire additional benefits*. It possesses the advantage of a Savings Bank (by the creation of Own Funds and Deposit Accounts), and offers at a very low cost Sick Benefits up to £3 3s. per week. Hitherto about two-thirds of the members' annual contributions have been returned to them each year by being placed to the credit of their Own Funds.

For information apply to the SECRETARY,

10 Mecklenburgh Square, London, W.C.1.

VACANCIES IN SCHOOLS

IMPORTANT

So many Schools at present being full, some with long waiting lists, it will be an assistance to us, in dealing with the large number of inquiries daily received, if Principals likely to have vacancies for the next two terms will notify us as early as possible.

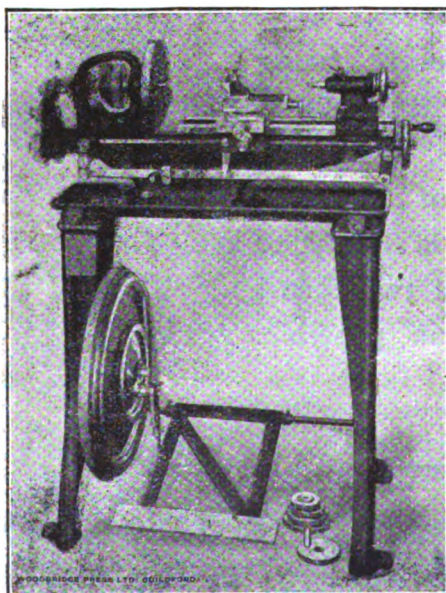
J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON. E.C.4. Telephone: Central 5053.

- Catalogo Generale di una Importante Biblioteca: Parte Nona. Anno III, N.9. Napoli: *La Vendita e Presse* (E. Ferrara).
 The Vision of a New World: A Short Peace Pageant. By R. I. Patry. *French*. Price 1s. 3d.
 Patriotic Studies of a Quarter Century of Moral Legislation in Congress for Men's Leagues, Young People's Societies, and Civic Clubs. Edited by Rev. Dr. W. F. Crafts. Washington (D.C.): *International Reform Bureau*. Price \$1.
 Smithsonian Institution: United States National Museum. Report on the Progress and Condition of the United States National Museum for the year ending June 30, 1918. Washington (D.C.): *Government Printing Office*.
 Educating by Story Telling. By K. D. Cather. With an Introduction by C. W. Hetherington. *Harrap*. Price 7s. 6d. net.
 The Voyage of a Vice-Chancellor. By A. E. S. *Cambridge University Press*. Price 6s. net.
 Handwriting Reform: A Monograph on the Teaching of Writing. By David Thomas. With an Introduction by Principal D. R. Harris. *Nelson*. Price 1s. 6d.
 Nelson's Print Writing Copy Books. Books I and II, 3½d. each; III, IV, V, and VI, 4d. each.
 Why Dry? Briefs for Prohibition, Local, State, National, and International. By the Rev. Dr. W. F. Crafts. (Enlarged World-wide Prohibition Edition.) Washington (D.C.): *International Reform Bureau*. Price 50 cents.
 Amateur and Educational Dramatics. By E. Hilliard, T. McCormick, and K. Oglebay. *Macmillan*. Price 5s. 6d. net.
 The Man with the Lamp. By Janet Laing. *Dent*. Price 6s. 6d. net.
 Income Tax: How to Avoid Overcharges and Obtain Repayments. By A. D. Macmillan. *Effingham Wilson*. Price 1s. 6d. net.
 War and Creative Impulse. By Max Plowman. With a Preface by H. W. Nevins. *Headley Bros*. Price 2s. net.
 The Home and the World. By Sir R. Tagore. *Macmillan*. Price 6s. net.
 The People's Books.—9: Industrial Chemistry. By Dr. C. Ranken. 25: Emanuel Swedenborg. By Dr. L. B. de Beaumont. 30: Christianity and Christian Science. By M. Carta Sturge. 48: A History of Greece. By E. Fearenside. 58: Charles Dickens. By Sidney Dark. 97: Vegetable Gardening. By J. S. Chisholm. *Nelson*. Price 1s. 3d. net each.
 Amateur Swimming Association.—Swimming Instruction. By F. Baxter. *Simpkin*. Price 1s. net.
 Young England. By D. Strong. *Methuen*. Price 7s. net.
 Diseases of the Ear in School Children: An Essay on the Prevention of Deafness. By Dr. J. K. Love. Bristol: *Wright*. London: *Simpkin*. Price 5s. 6d. net.
- Modern Languages.*
- (1) A. S. Pushkin: The Captain's Daughter. A Tale.
 (2) A. P. Chekhov: Short Stories, Part I and Part II.
 (3) N. V. Gogol: Dead Souls. (4) I. V. Skvortzov: Russian History. Vol. I: Up to the Tartar Invasion, 1240. Vol. II: From the Tartar Invasion to the Death of Ivan the Terrible, 1584. Abridged and Accented. *Jaschke*. Price 1s. net each.
 Colloquial Spanish. By W. R. Patterson. *Kegan Paul*. Price 2s. 6d. net.
 Le Français pour Tous par la Méthode Directe. Par N. Du-brule. *Ginn*. Price 4s. net.
 Dent's Modern Language Series.—A Rapid Italian Course. By Walter Ripman. Price 4s. net.
 Episodes Mémorables de l'Histoire de France.—(1) La Route de Varennes (from Michelet's "Histoire de France"); (2) Les Français à la Première Croisade (from Michelet's "Histoire de France"). *Blackie*. Price 9d. net each.
 Constable's Organized French Series.—(1) La Belle aux Cheveux d'Or. Par Mme d'Aulnoy. Edited by E. C. Kittson. (2) Croisilles. Par Alfred de Musset. Edited by B. L. Templeton. Price 1s. net each.
 Heath's Modern Language Series.—Spanish Commercial Correspondence: Reader Composition Book, Manual. By Prof. A. F. Whittam and M. J. Andrade. Price 3s. 6d. net.
 A Short Italian Dictionary. Vol. II: English Italian. By Alfred Hoare. *Cambridge University Press*. Price 7s. 6d. net.

(Continued on page 468.)

DRUMMOND LATHES

Are right at the Front.
 The important part played by Lathes in the present war cannot be exaggerated.
 A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable.
 DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable.
 The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work.



As supplied by the British Admiralty.

Catalogues on application to **DRUMMOND BROS., Ltd.**, VIEW HILL, GUILDFORD.

Works by John Carroll.

Practical Geometry for Art Students.

A New Edition, in which Lessons and exercises on Areas are included, together with the Projection of simple solids and objects. Strongly bound in cloth, 2s. 6d. net. Key 2s. 6d. net.
 "No private student needs a better book, and no teacher could place a more trustworthy textbook in the hands of his pupils."—*Practical Teacher*.

Drawing from Models and Objects.

A Handbook for Teachers and Students in Training. Crown 8vo, cloth, 3s. 6d. net.
 "It may be confidently recommended either as a drawing master's note-book or as 'A Handbook for Students in Training.' It is well arranged, the directions are clear, and the illustrations are numerous and good."—*School Guardian*.

Pattern Drawing and Design.

An application of Practical Geometry to the Construction of Ornament. Strongly bound in cloth, 2s. 6d. net.
 "The teacher of design has in this book an excellent guide, which can be used in all stages of a pupil's progress. The examples are ingenious and well printed. They are, in a good many cases, quite new to us in books of this character."—*Schoolmaster*.

Freehand Drawing of Ornament.

Consisting of Twenty-four Photographic Reproductions of Examples of Ornament, and Sixty-eight Analytical Diagrams of Construction. Designed and Arranged in Graded Order, with Directions to the Student. 11 in. by 8 in., in stiff wrapper, price 2s. 6d. net.
 "Excellent examples, beautifully and clearly printed, are the distinguishing features of this book. In addition to the finished examples, three progressive stages are given showing the gradual development of the ornament. No student can need a better book."—*Practical Teachers' Art Monthly*.

Drawing of Foliage, Flowers, and Fruit, and Foliated Design.

Consisting of Twenty-four Reproductions of Photographs from Nature by Wm. J. Carroll. With Directions to the Student, and Forty Examples of FOLIATED DESIGN by JOHN CARROLL. New and Enlarged Edition. 11 in. by 8 in., in stiff wrapper, 3s. 6d. net.
 "Can be recommended to designers as well as to students of drawing and painting."—*Architect*.

BURNS & OATES, Ltd.,
 28 Orchard Street, London, W.1.

PUBLISHED BY MACMILLAN & CO., Ltd.

OXFORD LOCAL EXAMINATIONS, 1920.

ENGLISH.

- Kingsley.—The Heroes.** With Notes by H. B. COTTERILL, M.A. 1s. 9d. [Preliminary]
- **The Heroes.** Edited by C. H. McMURRY, Ph.D. 1s. 6d. net. [Preliminary]
- Tennyson.—Select Poems.** With Introduction and Notes. By H. B. GEORGE, M.A., and Sir W. H. HADOW, M.A. 3s. [Preliminary]
- Shakespeare.—Julius Caesar.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by Rev. J. C. SCRIMGEOUR, M.A. 3s.—Edited by Prof. R. M. LOVETT. 1s. 3d. net.—Edited by G. W. and L. G. HUFFORD. 1s. 6d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **The Merchant of Venice.** With Introduction and Notes. By K. DEIGHTON. With an Appendix. 2s.—Edited by C. W. UNDERWOOD. 1s. 6d. net.—Edited by H. M. AYRES. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **Twelfth Night.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by E. P. MORTON. 1s. 6d. net.—Edited by W. M. HART, Ph.D. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Senior]
- **King John.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by H. M. BELDEN. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Senior]
- **A Midsummer Night's Dream.** With Introduction and Notes by K. DEIGHTON. With an Appendix. 2s.—Edited by P. T. CRESWELL, M.A. 1s. 3d.—Edited by E. C. NOYES. 1s. 6d. net.—Edited by J. H. CUNLIFFE. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Senior]
- **The Tempest.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by H. E. GREENE, Ph.D. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **As You Like It.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by C. R. GASTON. 1s. 6d. net.—Edited by M. H. SHACKFORD. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior]
- **Coriolanus.** With Introduction and Notes. By K. DEIGHTON. 3s.—Edited by S. P. SHERMAN, Ph.D. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior]
- Tennyson.—Poetical Works.** Globe Edition. 4s. 6d. [Senior]
- **Works.** Annotated by the Author. Vol. IX. BECKET. 5s. net. [Senior]
- **Geraint and Enid.** With Introduction and Notes. By G. C. MACAULAY, M.A. 2s. [Senior]
- Scott.—Ivanhoe.** With Introduction and Notes. 3s.—Edited by H. M. HITCHCOCK. 1s. 6d. net. [Junior and Senior]
- **The Fortunes of Nigel.** With Introduction and Notes. 3s. [Senior]
- Arnold.—Sohrab and Rustum.** Edited by F. R. TOMLINSON, B.A. 9d. [Senior]
- **Poems** (containing Balder Dead). Selected and Edited by G. C. MACAULAY, M.A. 3s. [Senior]
- Chaucer.—The Works.** Ed. by A. W. POLLARD, M.A. 4s. 6d. [Senior]
- **The Prologue, The Knight's Tale, The Nonnes Prestes Tale.** Edited by M. A. LIDDELL. 4s. [Senior]
- **The Prologue** With Introduction and Notes. By A. W. POLLARD, M.A. 2s. [Senior]
- **The Prologue, The Knight's Tale, The Nun's Priest's Tale.** Edited by A. INGRAHAM. 1s. 6d. net. [Senior]

ENGLISH—continued.

- Coleridge.—The Rime of the Ancient Mariner.** With Introduction and Notes. By P. T. CRESWELL, M.A. 1s. 3d. [Senior]
- **The Ancient Mariner.** Edited by T. F. HUNTINGTON. 1s. 6d. net. [Senior]
- Wordsworth.—The Poems of Wordsworth.** Chosen and Edited by M. ARNOLD. 3s. 6d. net. [Senior]
- **Helps to the Study of Arnold's Wordsworth.** By R. WILSON, B.A. 1s. 3d. net. [Senior]
- Palgrave.—The Golden Treasury of Songs & Lyrics.** Selected by F. T. PALGRAVE. 1s. 9d. net. [Senior]
- Macaulay.—Horatius.** With Introduction and Notes. By W. T. WEBB, M.A. 6d. [Senior]
- Austen.—Pride and Prejudice.** 3s. 6d. net. [Senior]
- **Pride and Prejudice.** Abridged and Edited by H. A. TREBLE, M.A. 1s. 3d. [Senior]
- Gaskell.—Cranford.** Edited by Prof. M. W. SAMPSON. 1s. 6d. net. [Senior]
- Dickens.—Barnaby Rudge.** 2s. 6d. net. [Senior]
- Thackeray.—Esmond.** With Introduction and Notes. 3s. [Senior]
- **Esmond.** Edited by G. B. HENNEMAN. 1s. 6d. net. [Senior]
- Milton.—Lycidas and Comus.** With Introduction and Notes. By W. BELL, C.I.E., M.A. 2s. [Junior]
- **Comus.** With Introduction and Notes. By W. BELL, C.I.E., M.A. 1s. 6d. [Junior]
- **Comus, &c.** Edited by S. E. ALLEN. 1s. 6d. net. [Junior]
- Pope.—Homer's Iliad.** Edited by C. E. RHODES, M.A. 1s. 6d. net. [Junior]
- Kingsley.—Hereward the Wake.** With Introduction and Notes. 3s. [Junior]

LATIN AND GREEK.

- Virgil.—Aeneid.** Book IX. With Notes and Vocabulary. By Rev. H. M. STEPHENSON, M.A. 1s. 9d. [Senior]
- **Aeneid.** Book X. With Notes and Vocabulary. By Rev. S. G. OWEN, M.A. 1s. 9d. [Senior]
- Caesar.—Gallic War.** Book V. With Notes and Vocabulary. By C. COLBECK, M.A. 1s. 9d. [Junior and Senior]
- **Gallic War.** Book VI. With Notes and Vocabulary. By C. COLBECK, M.A. 1s. 9d. [Junior and Senior]
- Cicero.—De Amicitia.** With Notes and Vocabulary. By E. S. SHUCKBURGH, Litt.D. 1s. 9d. [Senior]
- Sallust.—Catiline.** With Notes and Vocabulary. By Rev. G. H. NALL, M.A. 1s. 9d. [Senior]
- **Catilina.** Edited by C. MERIVALE, D.D. 2s. 6d. [Senior]
- **Bellum Catulinae.** Edited by A. M. COOK, M.A. 3s. [Senior]
- Xenophon.—Anabasis.** Book IV. With Notes and Vocabulary. By Rev. E. D. STONE, M.A. 1s. 9d. [Junior and Senior]
- **Anabasis.** Books I-IV. Edited by Prof. W. W. GOODWIN and Prof. J. W. WHITE. 4s. [Junior and Senior]
- Euripides.—Hecuba.** With Notes and Vocabulary. By J. BOND, M.A., and Rev. A. S. WALPOLE, M.A. 1s. 9d. [Senior]
- Thucydides.—Book II.** Edited by E. C. MARCHANT, M.A. 4s. [Senior]
- Sophocles.—Antigone.** Edited by Rev. M. A. BAYFIELD, M.A. 3s. [Senior]

FRENCH.

- Daudet.—Lettres de Mon Moulin.** Selected by G. H. CLARKE, M.A. 3s. [Junior]

Complete List, including the Higher School Certificate Examination, free on application.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C.2.

Russian Handwriting: Original Specimens contributed by Fifty-five Different Persons. With a Key. Edited by R. Biske. *Jaschke*. Price 3s. 6d. net.
 Manual of Military German. By Dr. F. W. C. Lieder and Dr. R. Pettengill. *Milford*. Price 6s. 6d. net.
 Practical Guide to the Russian Accent. By Mark Sieff. *Jaschke*. Price 4s. 6d. net.
 Anthology of Modern Slavonic Literature in Prose and Verse. Translated by P. Selver. *Kegan Paul*. Price 5s. net.

Music.

Night Thoughts. By C. V. Stanford. For Pianoforte. Op. 148. No. 1, Nocturne; No. 3, Scherzo Marziale; No. 6, A Lament. *J. Williams*. Price 4s. each.
 Country Life. For Pianoforte. By Ernest Newton. No. 2, The Dairymaid's Dance; No. 4, The Wagoner's Dance. *J. Williams*. Price 6d. each.
 Guide du Violoniste. By Ch. de Bériot. Revised by J. Gilbert. Op. 77. Part II. *J. Williams*. Price 1s. 6d. net.
 Four Bagatelles for Violoncello, with Pianoforte Accompaniment. Composed by Lionel Elliott. *J. Williams*. Price 3s. net (complete).
 Classics (W. A. Mozart). Easy to Moderate. Pianoforte Music. *J. Williams*.
 Three Sketches: Book I. Violin and Piano. By C. V. Stanford. *J. Williams*.
 Three Easy Impromptus for Violin and Piano: Book I. Op. 86. By A. C. Mackenzie. *J. Williams*.
 Six Miniatures for Pianoforte. By Ivy Herbert. *J. Williams*. Price 2s. 6d. net.
 Four Little Dances (without Octaves) for Pianoforte. By E. M. Lee. *J. Williams*. Price 2s. net.
 Song Album.—Vol. 1: Six Short Songs. *J. Williams*. Price 2s. net.
 Glyndebourne Dances. Pianoforte Suite. By C. H. Lloyd. *J. Williams*. Price 2s. net.
 Three Caprices, for Pianoforte (No. 2, D Flat). By Florian Pascal. *J. Williams*. Price 2s. net.
 Songs from a French Nursery. Adapted and Harmonized by E. Rowland. *J. Williams*.
 Sympathy. Vocal Duet. No. 1 in D, No. 2 in F. Words by M. L. Hay. Music by Charles Marshall. *J. Williams*. Price 2s. net.
 To Celia. Two-part Song. Words by Ben Jonson. Music by E. M. Lee. Price 3d. net. *J. Williams*.
 Six Little Pieces. By C. C. Cox. Price 2s. net. *J. Williams*.
 Three Preludes for Pianoforte. By Ivy Herbert. Price 2s. net each. *J. Williams*.
 Brer Rabbit. Easy Pianoforte Suite. By Martin Shaw. Price 2s. 6d. net. *J. Williams*.
 Impressions Crépulescantes: 1, 2, and 3. For Pianoforte. By V. Davico. Price 2s. net. *J. Williams*.
 In Pixieland. Four Easy Pieces for Violin and Piano. By G. Dyson. Price 3s. net. *J. Williams*.
 Berners Edition.—(1) Sonatina Album. For the Pianoforte. Book IV. By various Composers. Price 1s. 9d. (2) Eight Little Two-part Pieces. By L. Elliott. Price 1s. net. *J. Williams*.
 Petites Récréations: No. 3, Bal Masqué. For Pianoforte. By Y'ener. Price 6d. net. *J. Williams*.
 The Listener's Guide to Music. With a Concert-goer's Glossary. By P. A. Scholes. With an Introduction by Sir W. H. Hadow. *Milford*. Price 3s. 6d. net.

Religious Knowledge.

The Early Christian Attitude to War: Contribution to the History of Christian Ethics. By Dr. C. J. Cadoux. *Headley*. Price 10s. 6d. net.
 The Faith of a Subaltern: Essays on Religion and Life. By Lieut. A. de Candole. *Cambridge University Press*. Price 2s. 6d. net.
 Reconstruction and the Renewal of Life. Three Lay Sermons. By Prof. W. R. Sorley. *Cambridge University Press*. Price 2s. 6d. net.
 The Bible at a Single View. With an Appendix, How to Read the Bible. By Prof. R. G. Moulton. *Macmillan*. Price 5s. 6d. net.

Science.

Botany of the Living Plant. By Prof. F. O. Bower. *Macmillan*. Price 25s. net.
 Textbook of Physical Chemistry. By Prof. A. T. Lincoln. *Harrap*. Price 12s. 6d. net.
 The Theory of Heat. By Prof. T. Preston. Third Edition. Edited by Prof. J. R. Cotter. *Macmillan*. Price 25s. net.

A. & C. BLACK

THE "PEEPS" SERIES

EACH 2/6 NET.

World-wide in scope, of special pictorial beauty, abounding in interest and information, and specially suitable as reward books or for the school library.

ALL ROUND THE WORLD

The Series started with a fine range of books which immediately "caught on" and continue in steady demand, because they filled a popular need—the *Peeps* at Many Lands and Cities. Of ordinary guide books there was no lack, but these compact, well-written and beautifully illustrated volumes covered the countries and cities so informingly and entertainingly, and were published at so reasonable a price, that they made the right impression and ran into edition after edition. In every case the author was an authority who had seen, investigated, and knew what he was writing about, and, with but few exceptions, the fine illustrations in colour were from drawings done on the spot. Over sixty of these volumes have been published. One portion of them deals with the lands of the older civilizations, embodying the stories of Ancient Assyria, Egypt, Greece, and Rome, with important pictures of relics and remains. And as to the modern world, it is all brought under survey—the countries and chief cities of Europe, Asia, Africa, and America, and embracing the various overseas dominions and colonies. They are books for the traveller no less than the home reader, and their Peace-time expansions are bound to be great.

EDUCATIONAL ASPECTS

Every one of the books of the "Peeps" series is of direct educational value, and it is not surprising that they are to a considerable extent in use as school books. How forcibly the geography and outstanding features of the life and external appearance of "Many Lands and Cities" are impressed upon the mind by an acquaintance with the particular series treating upon them! Then there is the "Peeps at History" group, consisting of ten volumes wherein the historic record of America, Canada, France, Germany, Holland, India, Ireland, Scotland, Japan, and the Barbary Coast receives adequate literary and pictorial treatment. Another set of "Peeps" books of special importance in these days when Nature studies are so eagerly undertaken is the "Peeps at Nature" series, edited by the well known author of "The Open Book of Nature," the Rev. CHAS. A. HALL. Birds, moths, butterflies, wild flowers, ferns, the garden, the sea-shore, land mammals, and pond life are among the subjects which have separate volumes in this Nature series, and wonderfully well are they handled and illustrated.

AN ALWAYS EXTENDING RANGE

New books on new subjects are frequently being added to the "Peeps" series. The great railway systems have been thus honoured; and the great steamship lines; also Architecture, Astronomy, Heraldry, Industries, and many more; and there is a dainty group of "Beaux Voyages" in French (independent works, not translations), which has its own special point of appeal.

A LIBRARY OF KNOWLEDGE AND ENTERTAINMENT

There are three strong notes struck and maintained in this collection of books:—(1) instruction viewed from the present-day standpoint; (2) art as applied to the attractive illustration of the leading characteristics of the places and subjects; (3) a practical handling which aims at direct service and utility.

A Complete List of the "Peeps" series up to date will be sent on application to—

A. & C. BLACK, Ltd.,
 4, 5, & 6 Soho Square, London, W. 1.

CADET CORPS GALT'S for UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of
Uniforms, Head-dresses, Accoutrements, Lace, and Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office:

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

School Prizes.

Leading House in the North for
books in Tree Calf, Full Calf,
Sheepskin, Half Calf, Paste Grain, &c.

Quality and Finish Guaranteed.

Inspection Invited.

JAMES GALT & CO., Ltd.,
27 JOHN DALTON STREET,
MANCHESTER.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 432.

YOUNG lady desires post as MUSIC STUDENT in Girls' Boarding School next September. Would oversee Needlework in lower forms if required. Highest references. North of England preferred. Address—No. 10,827.*

EXPERIENCED and fully qualified MISTRESS, with wide experience, wishes post as Form or House Mistress in large Public School. Usual subjects, with French and German acquired abroad. Address—No. 10,833.*

WANTED, post as resident ELOCUTION MISTRESS. Gold medallist, I.L.A.M. Elocution. Able to combine with House Mistress-ship. French conversation. Address—No. 10,834.*

TRAINED teacher (gentlewoman) seeks vacancy as ENGLISH SPECIALIST with Arithmetic and Geography in a good Secondary School. Experienced, successful, qualifications equivalent to degree. Address—No. 10,835.*

GENTLEWOMAN requires post as LADY-SUPERINTENDENT of School Boarding House, or as LADY-HOUSEKEEPER in high-class school. Thoroughly experienced in household management, control of a staff of servants, in the care of girls, and the supervision of health. Excellent testimonials. Address—No. 10,836.*

A POST is required by a gentlewoman to take charge of a Junior House in connexion with a good School (Girls'), or to act as LADY MATRON in Private School. Highest qualifications. Excellent references. Address—No. 10,837.*

SECRETARY (lady).—Wanted, in September, post as SECRETARY in a school. 3 years' office experience. Shorthand, speed 110; Typewriting, 50-55. Address—No. 10,850.*

Posts Wanted—continued.

WANTED, post as SECRETARY in School: Boys' School, by sea, preferred. Secretarial training, Shorthand (120), Typewriting (40), elementary Book-keeping. Help with Games or Junior Teaching. Held temporary post in school. Address—No. 10,840.*

EXPERIENCED FRENCH MISTRESS (diplômée) requires post for September. Public School preferred. Direct Method. Excellent results in Oxford and Cambridge Local Examinations. Good testimonials; references. Address—No. 10,841.*

EXPERIENCED GEOGRAPHY MISTRESS (registered) seeks non-resident post, in or near London, in September. Subsidiary subjects, Botany, Nature Study, English, elementary Arithmetic and Algebra, Needlework. Would undertake Secretarial work. Visiting considered. Address—No. 10,843.*

LADY, B.A. Lond., seeks post in good Girls' School. Latin, Mathematics, French, History, and usual English subjects. Previous experience of both Boys' and Girls' Schools. Address—No. 10,845.*

L.R.A.M., Prof. Dip. I.S.M., seeks Post in School for September. Experienced teacher. Preparation for all exams. Good testimonials. Address—No. 10,846.*

ART MISTRESS requires appointment in Boys' School in September. Drawing, Geometry, Geography, and Preparatory School Work. Preparation for Art Examinations. Art Class Teacher's Certificate, S.K. Cambridge Higher Local in Geography. Experienced. Good testimonials. Address—No. 10,847.*

LADY, who has held responsible positions in several good schools, requires Post in September. Could take over the Domestic side of a house or the entire charge of Health. Excellent testimonials for Nursing, Housekeeping, &c. Good salary required.—Miss JEFFRIES, 77 Morning-side Park, Edinburgh.

Posts Wanted—continued.

POST required as LADY MATRON, five years' experience, two in Boys' Public School, senior house. Similar one preferred, near London, if possible. Hospital trained. Good testimonials and references. Address—No. 10,848.*

TWO MISTRESSES seek posts in same school for September.—(1) Elementary Mathematics to London Matriculation standard, 13 years' experience; subsidiary subjects, French and English. (2) English, 15 years' experience, usual subjects to Junior Local standard. Address—No. 10,849.*

ENGLISH LADY (in Boys' Prep. School in Eastbourne) seeks post as FRENCH or ENGLISH MISTRESS. French acquired abroad. Highly certificated and experienced with boys and girls. Good salary. Address—No. 10,851.*

A YOUNG FRENCH LADY desires Post as FRENCH TEACHER in Girls' Boarding School, somewhere in the South of England or round London. Address—No. 10,856.*

MODERN LANGUAGE MISTRESS, coaches for examinations. Long experience in Public and Private Schools; very successful teacher. Or would undertake Secretarial work (Typewriting, not Shorthand), Press Correcting, or Translations. Excellent references. Address—No. 10,857.*

MUSIC MISTRESS, A.R.C.M., requires post in or near London. Excellent testimonials. Successes in all Associated Board Examinations and A.R.C.M. Examination. Piano-forte, Harmony, Class Singing, Aural Training. Address—No. 10,858.*

WANTED by L.L.A. post as MISTRESS in girls' school (preferably Bristol or London). Subjects: English, History, French, Elementary Mathematics. 5 years' experience.—D.I.H., Woodland View, Farleigh, Flax Bourton, Somerset.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

RECENT AND STANDARD TEXT-BOOKS

MATHEMATICS.

Latest Volumes of Bell's Mathematical Series.

General Editor: W. P. MILNE, M.A., D.Sc., Clifton College.

Arithmetic for Preparatory Schools. By TREVOR DENNIS, M.A., Head Master of Lady Manners' School, Bakewell, late Mathematical Master at Sherborne School. 4s., or with answers, 4s. 6d.

This text-book follows the lines of the syllabus issued by the Curriculum Committee of the Head Masters' Conference. Chapters are included on Graphs, Logarithms, and Household Accounts. Decimal Notation is introduced and illustrated by practical work. The types used conform to the standard laid down by the British Association Committee.

Analytical Geometry of the Straight Line and Circle By JOHN MILNE, M.A., Senior Mathematical Master of the Mackie Academy, Stonehaven. Crown 8vo, 5s.

The examples in this work have been carefully constructed so as to bring into prominence the geometrical properties dealt with. Long lists of questions involving purely manipulative algebra have been avoided.

A First Course in the Calculus. By W. P. MILNE, M.A., D.Sc., Mathematical Master at Clifton Coll., Bristol, Examiner in Mathematics, University of St. Andrews, and G. J. B. WESTCOTT, M.A., Head Mathematical Master, Bristol Grammar School, formerly Scholar of Queen's Coll., Oxford, and University Mathematical Exhibitioner. Crown 8vo, with Answers, 3s. 6d.

Statics. By R. C. FAWDRY, M.A., B.Sc., sometime Scholar of Christ's College, Cambridge; Head of the Military and Engineering Side, Clifton College. Crown 8vo, 5s., or Part I, 3rd Edition, 3s.; Part II, 2s. 6d.

Nature.—"This book can be confidently recommended."

Dynamics. By R. C. FAWDRY, M.A., B.Sc. Crown 8vo, 5s.; or Part I, Second Edition, 3s.; Part II, 2s. 6d.

School World.—"Mr. Fawdry has performed his task with the sure touch of one who is familiar with all the difficulties which beginners in this subject experience."

Differential Calculus for Colleges and Secondary Schools. By CHARLES DAVISON, Sc.D., Mathematical Master at King Edward's School, Birmingham. Crown 8vo, with Revision Exercises, Essays, and Problem Papers. 6s.

SCIENCE.

Chemistries by Prof. Smith.

Introduction to Inorganic Chemistry. By ALEX. SMITH, B.Sc., Ph.D., F.R.S.E., Professor of Chemistry and Head of the Department, Columbia University. 35th thousand. 10s. 6d. net.

Experimental Inorganic Chemistry. A Laboratory Outline for use with the above. 6th Edition, revised. 4s. net.

General Chemistry for Schools and Colleges. 45th Thousand. New Edition, revised and enlarged. 9s. net.

A Laboratory Outline of General Chemistry. For use with the General Chemistry. 4th Edition, revised. 47th thousand. 4s. net.

Elementary Chemistry for Schools. Adapted for use in English Schools by H. A. WOORTON, M.A., B.Sc., late Senior Science Master, Westminster School. 6s. net.

A Laboratory Outline for Elementary Chemistry. For use with the Elementary Chemistry. 2s. 6d. net.

Inorganic Chemistry. By JAMES WALKER, D.Sc., Ph.D., F.R.S. 11th Edition, revised and enlarged. Crown 8vo, 5s. net.

An Introduction to the Study of Plants. By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., Professor of Botany, East London College, University of London; and E. J. SALISBURY, D.Sc., F.L.S., Lecturer in Botany, East London College. With over 250 illustrations. 3rd Edition. Demy 8vo, 6s. net. This volume completely covers the London University Matriculation Syllabus.

Elementary Studies in Plant Life. By F. E. FRITSCH, D.Sc., Ph.D., F.L.S., and E. J. SALISBURY, D.Sc., F.L.S. With over 150 illustrations. Crown 8vo. 3rd Edition. 3s. net.

Nature.—"It would not be easy to find a book better suited to the needs of junior students."

FRENCH.

A Short History of French Literature in the 18th and 19th Centuries. By W. H. HUDSON, late Staff Lecturer in English Literature to the Extension Board, London University. Full crown 8vo, gilt, 6s. net. A special Presentation Edition of this, the latest book of the late Mr. W. H. HUDSON, has been prepared to meet the wishes of his numerous admirers. It includes a memoir of the author by Prof. A. A. JACK, of Aberdeen University, and a portrait.

Matriculation French Free Composition. By F. A. HEDGCOCK, M.A., D. ès L., French Master at University College School, formerly Lecturer at Paris and Birmingham Universities; and H. LUGERT, Agrégé de l'Université de Paris. 2s. 6d. net.

Scottish Educational Journal.—"... Altogether, one can heartily recommend this manual to the consideration of every teacher dealing with advanced pupils."

A First French Prose Composition. Based on Conversation and Imitation. By F. W. WILSON, Ph.D., and C. A. JACCARD, Lic. ès Lettres, Assistant Masters at Clifton College. Crown 8vo. 2nd Edition. 1s. 9d. net. KEY, 10d. net.

Times Educational Supplement.—"This admirable little book ... makes French composition a living thing."

New Readers.

Contes pour les Commencants. By Mrs. C. M. NESBITT. Printed in large clear type. Illustrated. With full Vocabulary. 1s. 6d. net.

Easiest French Reader. By MARC CEPPI, Whitgift School, Croydon. Fully Illustrated. With or without Vocabulary. 1s. 6d. net. *Times Educational Supplement.*—"... educationally sound. ... These little sketches are full of interest."

Récits Héroïques. By CHARLES GUYON, Inspecteur d'Académie Honoraire. Edited, with Questionnaire and Vocabulary, by MARC CEPPI. Illustrated. 5th Edition. 1s. 9d. net. Contains stories dealing with "La Guerre dans les Aïrs," "La Guerre sur Mer," and "Nos amis les Anglais."

Nouveaux Récits Héroïques. Fully Illustrated. With or without Vocabulary. 1s. 9d. net.

Flips et Compagnie. By MARC CEPPI. Illustrated stories of Animal Life. With or without Vocabulary and Questionnaire. Crown 8vo, 1s. 6d. net. *Educational News.*—"A pleasant, easy Reader for a class that has just finished its first French Reader. It has a vocabulary and a questionnaire, and can be safely recommended."

Jean-Robert Flambard, potache. By M. A. DELANY, Professeur au Lycée de Tours. Illustrated from special photographs. Crown 8vo, 1s. 6d. net; or with Vocabulary and Notes, 2s. net. *The Journal of Education.*—"This account of a French lycée is delightful."

Mackay and Curtis's French Course. Two Parts. 116th Thousand. 1s. 6d. net and 2s. net.

Cepi and Deshumbert's Modern French Grammar. Issued with the Grammatical Rules either in French or in English. 2nd Edition. 3s. net. *Spectator.*—"The best of all recent grammars."

Gasc's French Dictionaries. Gem, 137th Thousand, 2s. net. Pocket, 106th Thousand, 3s. net. Concise, 9th Edition, 5s. net. Standard, 15th Edition, 12s. 6d. net.

GEOGRAPHY.

The British Empire Beyond the Seas. An Introduction to World Geography. By MARION I. NEWBIGIN, D.Sc. (London), Editor of "The Scottish Geographical Magazine." With upwards of 30 Maps. Crown 8vo. 2nd Edition. 4s. 6d.

Intended for use in upper and middle forms, where a rudimentary acquaintance with world geography and more detailed study of the British Islands may be assumed.

Educational News.—"Dr. Newbigin is now recognized as one of our foremost authorities on geography, and has produced a stimulating book. We cordially commend it to those teachers who desire a manual that will afford much food for reflection and that will vitalize their teaching."

TWO IMPERIAL READERS.

Highways of the World. A Reader correlating Commercial Geography and Economic History. By A. E. MCKILLIAM, M.A. With numerous Maps and Plans. 3rd Edition. 1s. 9d.

The Building of the British Empire. By E. M. RICHARDSON, B.A. Crown 8vo. 3rd Edition. With Illustrations, Maps, and Plans. 1s. 9d.

In Many Lands. A new series of Geographical Story Readers. By SAMUEL GIBSON. Printed in large, bold type, and illustrated in colour and black and white, chiefly from direct copyright photographs of the scenes depicted. Now ready, Books I and II. 3rd Edition. 1s. 6d. each.

G. BELL & SONS, Ltd., York House, Portugal St., W.C.2.

RECENT AND STANDARD TEXT-BOOKS

CLASSICS.

One-Term Series of Latin Classics.

Cicero's Pro Milone. Edited by C. E. LAURENCE, M.A., Assistant Master of Haileybury College. 1s. 3d.

Livy's Veii and the Etruscan Confederacy. Edited by S. E. WINBOLT, M.A., Christ's Hospital, West Horsham. 1s. 3d.

Illustrated Classics.

52 volumes, including Caesar's Gallic War, Virgil's Aeneid, Cicero, Ovid, Livy, Horace, &c. Each volume carefully edited, with Introduction, Full Notes, and Vocabulary. 1s. 9d. each.

Simplified Latin Classics.

Nine volumes drawn from Caesar, Virgil, Livy, &c. Simplified as to text, fully illustrated, with Notes and Vocabulary. 1s. 6d. each.

Illustrated Latin Readers. Edited by E. C. MARCHANT, M.A. With short Notes and Vocabulary. 1s. 6d. each.

Scalae Primae. Simple Stories for Translation. By J. G. SPENCER, B.A. With 20 Illustrations. 11th Edition.

Scalae Mediae. Extracts from Eutropius and Caesar. By PERCY A. UNDERHILL, M.A. With 20 Illustrations. 11th Edition.

Scalae Tertiae. Graded Extracts in Verse and Prose from Phaedrus, Ovid, Nepos, and Cicero. By E. C. MARCHANT, M.A. With 28 Illustrations. 5th Edition.

Fabulae Antiquae. By A. M. CROFT, B.A., Girls' Modern School, Leeds. Illustrated, with or without Full Vocabulary. 1s. 6d.

Dialogues of Roman Life. By S. E. WINBOLT, M.A., Christ's Hospital. Illustrated. 2s. 6d.

De Ducibus. Selections from Cornelius Nepos. By W. G. BUTLER, M.A., Christ's Hospital. With numerous Illustrations and brief Grammatical Notes. Fcap. 8vo. 1s. 9d.

This book is intended for pupils who are not yet quite proficient enough to translate Caesar and Livy.

Books of the Emperors. A new series of Illustrated Latin Readers. By E. C. MARCHANT, M.A. With Notes and Vocabulary. Illustrated. Book I. 2nd Edition. 1s. 3d.

FOR THE DIRECT METHOD.

Via Römāna. By F. GRANGER, Professor of Latin at the University College, Nottingham. Crown 8vo. Illustrated. With or without a full Latin-English Vocabulary. 1s. 9d. net.

School World.—"Certainly the best first-year book on direct method lines which we have yet seen."

Pons Tirōnum. A First Latin Reader on "Direct Method" lines. By R. B. APPLETON, M.A., and W. H. S. JONES, M.A., both of the Perse School, Cambridge. Crown 8vo. Illustrated. With Summary of Grammar Exercises and Latin Vocabulary. 2nd Edition. 1s. 3d.

Fabulae: Virginibus Puerisque aut Narrandae aut Recitandae. A Latin Reader on "Direct Method" lines for Second and Third Year Pupils. By R. B. APPLETON, M.A. Crown 8vo. Illustrated. 2s. 6d.

Educational Times.—"The material is excellent and has evidently been selected with great care from a wide range of authors."

HISTORY.

The Expansion of British India. A Source-Book of Indian History, 1818-1858. By G. ANDERSON, M.A., Professor of History, Elphinstone College, Bombay; and M. SUBEDAR, B.A., B.Sc. (Econ.), London, Barrister-at-Law, Professor of Political Economy, University of Calcutta. Demy 8vo, 4s. 6d.

English Historical Review.—"The extracts are well chosen, the comments are sober and judicious, as well as genuinely explanatory. Indeed, we have rarely seen a book of the kind so well done."

Australian History Source-Book. Compiled by GWENDOLEN H. SWINBURNE, M.A., Dip. Ed. Melbourne University. Demy 8vo, 5s. net.

English History Source-Books. Joint Editors, S. E. WINBOLT, M.A., Christ's Hospital, Horsham; KENNETH BELL, M.A., Fellow of All Souls College, Oxford. Crown 8vo. 17 volumes, covering the period from 449-1887. 1s. 6d. net each.

ALSO **A Source-Book of London History.** By P. MEADOWS, M.A. 1s. 9d. net.

Canada. 1535-1913. By JAMES MUNRO, M.A. 1s. 6d. net.

HISTORY (continued)—

Scottish History Source-Books. 1s. 6d. net each.

1637-1638. **The Scottish Covenanters.**

1689-1746. **The Jacobite Rebellions.**

A Historical Course for Middle Forms. By B. L. K. HENDERSON, M.A., D.Lit., and P. MEADOWS, M.A., Assistant Masters at Haberdashers' Aske's School, Cricklewood. In 4 vols. Crown 8vo, 2s. 6d. each.

Vol. I.—WESTERN EUROPE. 4th Edition.

Vol. II.—THE ENGLISH NATION: INDUSTRIAL AND SOCIAL HISTORY. 2nd Edition.

Vol. III.—THE ENGLISH NATION: CONSTITUTIONAL HISTORY.

Vol. IV.—THE ENGLISH NATION: POLITICAL AND GENERAL HISTORY.

School World.—"The history is good, but the special feature is that at the end of each short chapter are given extracts from contemporary sources, and a few questions based largely on those sources, and requiring thought for their answer. A good idea; we hope it will prove as successful as it deserves to do."

ILLUSTRATED HISTORIES OF ENGLAND.

By GEORGE GUEST, B.A. Head Master of St. Paul's School, Bournemouth. In three volumes. Crown 8vo.

A Military and Imperial History of England. 2s.

A Social History of England. 2s. 6d.

Educational Times.—"Will prove a valuable companion to the ordinary history book. . . . An excellent and timely volume."

A Constitutional History of England. 2s. 6d.

Teacher's World.—"Without doubt it is one of the best books on the subject. . . . It is so clearly written that it will not be difficult for the youngest to understand."

BELL'S HISTORY COURSE.

First Lessons in English History. Crown 8vo. 102 pp., with numerous Illustrations. 5th Edition. 1s. 6d.

A Junior History of England. By E. NIXON, late Head Mistress of Junior School, Specialist in History, Ladies' College, Cheltenham. 7th Edition. Crown 8vo. 254 pp., with 66 Illustrations. 2s. 6d.

A Senior History of England. By A. E. MCKILLIAM, M.A., University of St. Andrews. Crown 8vo. With numerous Illustrations. 3rd Edition. 3s.

Europe in the Nineteenth Century. An Outline History from 1802 to the opening of the Great War, 1914. By E. NIXON and H. R. STEEL. Crown 8vo. With Maps. 3rd Edition. 2s. 6d.

The Journal of Education.—"This is a summary of the main political changes of modern Europe from the beginning of the First Empire. It is very well condensed."

Ancient History for Schools. From the Earliest Times to the Death of the Emperor Augustus. By E. NIXON and H. R. STEEL. Crown 8vo. With 29 Illustrations and 7 Maps. 2s. 6d.

An outline of the History of Egypt, Babylonia, Assyria, Israel, Persia, Greece, and Rome.

An Introduction to English Industrial History. By HENRY ALLSOPP, B.A., late Vice-Principal of Ruskin College, Oxford. Crown 8vo. With Maps and Plans. 5th Edition. 2s. 6d.

Manchester Guardian.—"A well-proportioned economic history of England from 1066 to the present day."

Richardson: Landmarks in the History of Europe. By E. M. RICHARDSON, B.A., Assistant Mistress of St. Saviour's and St. Olive's Grammar School for Girls, S.E. Crown 8vo. 4th Edition, with many Illustrations and Maps. 2s. 6d.

Outline of Economics. By R. E. NELSON, B.A., Assistant Master in Beath Higher Grade School and in Fife Mining School, Cowdenbeath. Crown 8vo. Limp Cloth. 2s. A short Outline of Economic Theory, written primarily for the use of students taking Economics as part of a commercial course in continuation schools and technical schools.

The Guardian.—"A capital Outline of Economics. . . . He has set forth his complex theme with remarkable clearness, the result of very skilful marshalling of the facts."

G. BELL & SONS, Ltd., York House, Portugal St., W.C.2.

PRIZE COMPETITIONS.

The Translation Prize for June is awarded to "Dob"; *Proxime accesserunt*: "Mamble" and "Bésigue."

THE winner of the Translation Prize for May is Mr. P. O. Macdonald, Glencoe, Frinton-on-Sea.

Extract from Th. Jouffroy's lecture on "L'Etat actuel de l'Humanité."

By "DOB."

Let us make no mistake about it, civilization in its onward march has raised the mission of the statesman; the mental equipment and the views which sufficed formerly for a Richelieu are no longer sufficient to-day. Politics are not concerned nowadays with the balance of power in Europe, but with the future of humanity. The Civil Wars of Europe are over; the rivalry of her nations is gradually dying out, as the rivalry between the Grecian cities died out under the dominion of Alexander, and as diversity among the provinces of France was effaced in the unity imposed by the monarchy. Greece became a single nation under Alexander; and the quarrel that had been between Lacedæmonia, Athens, Boeotia, and Macedonia became that of Greece and Persia. In the same way Europe is beginning to be but one nation now that there is an America, an Asia, and an Africa. It is the unity of Europe against these masses, and the balance of power between these masses, that are now the statesman's concern. Mr. Canning had begun to understand this; therein lies his claim to greatness, and thence the thought which thrilled the common sense of all Europe and earned for him its concert of applause. Great ideas are dimly present in men's minds long before they take definite form: he is a genius who first brings them to light. The minister who first departs from the narrow ideas of patriotism, and leads the politics of his country, not towards the time-worn goal of its own aggrandisement and the abasement of its neighbours, but for the benefit, and in the direction, of the unity of Europe, and towards the civilization of the world by that unity and by the ideas of Europe—I say that that minister will be the statesman of the nineteenth century, and will achieve the power and glory of his country precisely because he has abjured the dogma of patriotism.

Academic oratory has never been much cultivated in England, but in France it has been illustrated by many eminent men, whose orations have become part of French literature. Such were Guizot, Michelet, Villemain, and others. Jouffroy lectured on history, philosophy, and *droit naturel* at the Sorbonne and the Collège de France during the Louis Philippe period. He is described as a speaker whose purity of diction and elevation of thought charmed selected audiences, but who had not sufficient power to hold a large gathering. The destiny of humanity was one of his various themes, and the composition from which the piece for translation was selected was really the combination of the first two lessons of a course on the philosophy of history. He was not a great thinker, and it is needless to point out the errors in his diagnosis of the condition of the human race in his day or show the vanity of his prophecies. The passage was one which offered few difficulties to the translator, and there was little to choose between the best versions. For *convent* we have no satisfactory equivalent; "undergo a period of incubation" is accurate, but ponderous; "ferment," "ripen," "germinate," fail to convey the idea of hidden growth. We can suggest nothing better than "grow in silence." Quite a number of competitors fell into a trap here, and wrote "great ideas brood," instead of "the mind broods over great ideas." For the sentence beginning *C'est là son titre de gloire* say, "That constituted his claim to glory, that was the thought." "Achieve the power of his country" is surely not English; say, rather, "win power for his country." *Met en lumière*; better 'puts in a clear light.' Five scripts bore no pseudonym.

We classify the 107 versions received as follows:—

Class I.—(a) Dob, Mamble, Bésigue, Borealis, Dane, Leander, Murphy, E.A.N., Civitas, Melmillo.

(b) Menevia, Trewin, Boy, Llanandras, E.M.S., Garnet, Mal éelos, Etern, Somewhen, Esse quam videri, Playshaw, Borderer, Bohemond, Calvus.

Class II.—Derdlim, Excelsior, Athos, Minikoi, Cablegram, Tom Turk, Téméraire, Novice, F.T.B., Liaison Officer, Hesperus, Iberia, Jolande, Traddles, Kokoe, F.B., Antelope, Ninette, Sara, Cléonte, Ragotin, Jean, G.B.L., Switzerland, Elysium, Elce,

(Continued on page 474.)

The Times EDUCATIONAL SUPPLEMENT

A COMPLETE EDUCATIONAL
NEWSPAPER AND REVIEW

Published every Thursday

ORDER TO-DAY

Annual Subscription by Post:

10s. 10d. INLAND

13s. ABROAD

from

THE PUBLISHER, PRINTING HOUSE SQUARE,
LONDON, E.C.4

Or from ALL NEWSAGENTS & BOOKSTALLS

PRICE 2d.

A free Specimen Copy will be sent to any Teacher who sends a post-card to the Publisher

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 21 Old Bond Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 469.

FRENCH Girl, having passed her Brevet Supérieur, asks to go into an English family during the summer holidays to teach French to children.—M. LEMIALE, St. Ursula's Convent, Park Avenue, Dover.

JEUNE homme français, diplômé, désire place dans famille pour enseigner français pendant les vacances, août, septembre. Au pair, ou avec appointements. Ecrire—M. S. BOUTET, 5 rue Alex. Legros, Fécamp, Seine-Inférieure, France.

FRENCH girl, having done good good studies and speaking English, seeks a post in an English school to teach French. London preferred. Address—A.C.E., Poste Restante, Calais.

EXPERIENCED FRENCH MISTRESS, diplômée, good testimonials, desires post in school, Public preferred, for next September.—Mlle M. AUDIN, Lyonsdown School, New Barnet, Herts.

JEUNE fille française demande place de professeur de français dans pension ou famille anglaise.—Mlle LOUISE LEVASSEUR, 33 rue Félix Faure, Fécamp (S. Inf.), France.

FRENCH Lady (24), Pasteur's Daughter, seeks Resident Post for September in good Private School. Diplôme de fin d'études secondaires; 3 years' teaching experience in France.—Mlle ODETTE FROMENTIN, Mazamet, Tarn, France.

FRENCH LADY, highest qualifications and references, thorough knowledge Russian, wishes learn English in family, country or seaside. Terms au pair, or partially paying guest. Address—TASTENOIRE, 5 Westbourne Square, W.2.

FULLY trained **FRENCH** MISTRESS requires post in English School for September. 10 years' teaching experience in France. Apply—Mme. ROSEFELDER, 44 Rue Maréchal Pétain, La Roche sur Yon, Vendée, France.

FRENCH lady, age 25, Licenciée en Lettres, desires post au pair in family during summer holidays.—ROSEAU, rue Jean Bart, La Madeleine, Lille, France.

FRENCH girl student, 1st part Licenciée en Lettres, desires post au pair in English family.—JARDIN, Pavillon St. Augustin, 23 rue Oudinot, Paris.

Posts Vacant.

ASSOCIATION OF ASSISTANT MISTRESSES IN PUBLIC SECONDARY SCHOOLS.

46 KINGSWAY, W.C.2.—Subscription, 5s.
Secretary: Miss M. V. GIBSON.

AUSTRALIA

Teachers' Central Registry:

Twyford House, 17 Castlereagh Street, SYDNEY.

(Under the direction of a Committee appointed by the Teachers' Guild of N.S. Wales).

MEN and Women Teachers, especially resident ASSISTANT SCHOOL MASTERS and SCHOOL MISTRESSES, who would like to secure posts in Australasia, should write to the above address, stating qualifications and experience, and enclosing copies of testimonials with a view to obtaining posts when passage to AUSTRALIA is permitted.

Particulars on application to—
Miss GARRAN, Registrar.

WANTED, in September, for Girls' Grammar School, Clitheroe, a SENIOR MATHEMATICAL MISTRESS. Graduate experience desirable. Also an ENGLISH MISTRESS, Graduate. Salaries according to the new County Scale. Apply to the HEAD MISTRESS.

Posts Vacant—continued.

UNIVERSITY OF BRISTOL.

The University invites applications for an ASSISTANT LECTURESHIP IN EDUCATION (Women). Stipend £250, rising by annual increments of £10 to £300 per annum.

Particulars may be obtained from the REGISTRAR, to whom applications should be addressed on or before July 5th.

COUNTY SCHOOL FOR GIRLS, GUILDFORD.

Wanted for September next, Two MISTRESSES, to teach between them Latin, French, History, and some English.

Good qualifications essential and some experience. Also Three MISTRESSES for Lower School work, chiefly Arithmetic, Drawing, French, Geography, and Handwork.

Salary according to County Scale, with allowance for previous experience.

Apply immediately to the HEAD MISTRESS (Miss G. M. Todhunter, B.A.).

F. S. TOSSWILL,
Clerk to the Governors.

Guilford, 7th June, 1919.

THE UNIVERSITY OF SHEFFIELD.

DEPARTMENT OF EDUCATION.

A SENIOR LECTURER (man) will shortly be appointed. Salary £350 per annum. Applications should be in the hands of the undersigned, from whom further particulars may be obtained, by July 12th.

W. M. GIBBONS, Registrar.

DURHAM COUNTY COUNCIL.

ASSISTANT TEACHERS required from September 1919 as under:—

DURHAM JOHNSTON SECONDARY SCHOOL (Boys—287).

Head Master: Mr. S. WHALLEY, B.Sc., A.R.C.S.

(1) FORM MASTER, with high qualifications in French.

(2) FORM MASTER, with good qualifications in Manual Work.

Applications must be received not later than first post on Monday, 7th July.

APPLICATION FORMS, SALARIES, &c.

Salaries according to County Scale. Canvassing directly or indirectly is prohibited, and will disqualify. For forms of application apply, enclosing stamped addressed foolscap envelope, to the undersigned.

J. A. L. ROBSON,

County Secretary for Higher Education.
Shire Hall, Durham, 17th June, 1919.

HEREFORD HIGH SCHOOL FOR GIRLS.

Wanted in September:—

(1) An ENGLISH SPECIALIST.

(2) A GEOGRAPHY SPECIALIST.

(3) A MISTRESS to teach French and English.

Full details and salary scale can be obtained from the HEAD MISTRESS, to whom applications should be sent as soon as possible.

J. WILTSHIRE,

Clerk to the Governors.
Education Office, Shire Hall, Hereford.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1.

DORKING HIGH SCHOOL

FOR GIRLS.—Good opening for BOARDING HOUSE for boarders. Experienced lady with some capital. All particulars from HEAD MISTRESS.

WANTED for Cambridge in Sep-

tember next, non-resident ASSISTANT TUTOR (either sex) in Modern Languages (English and French). Must be a Graduate with high honours, preferably of London University. Minimum salary £220 a year. State qualifications and previous experience to—Tutor, c/o. University Book Co., 48 Southampton Row, London, W.C.1.

WANTED, early September, KINDERGARTEN MISTRESS (N.F.U., Part II). Resident. Drill, Games. Experience not essential. School recognized by Scottish Education Department. Apply, with particulars, to HEAD MISTRESS, St. Hilda's, Stirling.

Posts Vacant—continued.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR GIRLS, BECKENHAM.
(To be opened in September.)

Wanted, in September, ASSISTANT MISTRESSES for Holy Scripture, Classics, English, History, Mathematics, Geography, Botany, and French. Each candidate should hold an Honours Degree or equivalent in one of these subjects, and should state which other she prefers to teach as a subsidiary.

Also wanted, a MISTRESS with special qualifications for teaching children under twelve. Candidates should have been trained in a recognized Training College, and hold a suitable diploma.

Also MISTRESSES to teach Needlework, Art, and Gymnastics. At first probably only part-time work in these subjects will be required. Candidates should have had complete training and hold good diplomas.

Initial salary from £140 to £280, rising in accordance with the County Scale to a maximum of £240, £320, or £350, according to qualifications and character of work. One of these MISTRESSES may be appointed Second Mistress at a higher salary.

Applications to be made as soon as possible to Miss Fox, Beechurst, Windmill Street, Gravesend.

R. SALTER DAVIES,

2nd June, 1919. Director of Education.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR BOYS, BECKENHAM.

Wanted, in September next, a MISTRESS for Preparatory Class (ages 8 to 10). Initial salary £130 to £180, according to qualifications, together with an allowance for approved experience and training up to £100, and rising to a maximum of £220 or £350, in accordance with the Committee's scale.

Forms of application may be obtained from the Local Secretary, Council Offices, Beckenham, and should be returned to the Head Master, County School for Boys, Beckenham, not later than 12th July.

E. SALTER DAVIES,
19th June, 1919. Director of Education.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen. MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work.—M. GLENISTER, 3 Friern Park, N. Finchley, N.12.

REQUIRED, in September, ASSISTANT MISTRESS for Form II. Resident or non-resident. Usual English subjects. Games and Drill a recommendation.—HEAD MISTRESS, Girls' Grammar School, Ilminster.

COUNTY BOROUGH OF SOUTHPORT.

SECONDARY SCHOOL FOR GIRLS.

Head Mistress: Miss F. A. ATHVA, M.A.

MATHEMATICAL MISTRESS wanted for September. Degree or equivalent and good experience essential. Salary £130 to £230, plus War bonus of £52 per annum pending revision of scale.

Form of application may be obtained from the Education Office, 2 Church Street, Southport.

(Signed) WM. ALLANACH,

Director of Education.

MONMOUTHSHIRE TRAINING COLLEGE, CAERLEON.

Required, for September next, a Resident LECTURER (man) in English and Method. Salary £200 per annum, increasing annually by £10 to £270, then by £20 annually to £370 per annum, plus board, laundry, and medical attendance. Full particulars may be obtained from the PRINCIPAL.

WANTED, in September, a well

qualified GOVERNESS for a class of four children (ages 6 to 10). Must be musical and able to teach Drawing and French, in addition to usual subjects. Handwork and Nature Study desirable. Please state qualifications, experience, and salary required to—Mrs. MAPPIN, Ashdowns, Harfield, Sussex.

HOWELL'S SCHOOL, DEN-

BIGH.—Trustees: The DRAPERS' COMPANY.—Wanted, for Autumn Term, Resident MISTRESS to teach English and French and, if possible, Italian. Salary according to qualifications. Degree and experience essential. Apply—HEAD MISTRESS.

PRINCESS HELENA COLLEGE,

EALING.—Required, in September, Resident GYMNASIAC AND GAMES MISTRESS. Good experience and discipline necessary. Must be Churchwoman. Salary according to diploma and experience. Apply—PRINCIPAL.

G.E.M., Kooka, Jambon gris, La Colline Verte, Sans-gêne, Millia Passuum, Clune, Nibbidard, H.B.K., Ritch.

Class III.—Serclun, La Devonne, Meiros, N.G., Sursum Corda, Poisson d'Avril, Slovakia, N.O.G.O., Sirius, Maridunum, Initia, Padrig, Micca, Loo, Ozymandias, Umbria, Sasina, E.K., Granville, Leo, Goldie, Fred, Loti, Celia, Espérance, C.J.G., Mat, Rastra, Dubia Competitrix, Decky, Peggy, Sirach, Trefoil, Fire-place, Weetwood, Geff, Hibernia, D.C.D., Spero.

Class IV.—Britannia, Chloris, Rin Tin Tin, Lombard, Blue Bird, D.B.T., Rabies, Rib.

The version by R.H.R.R. arrived too late for consideration.

A Prize of Two Guineas is offered for the best translation of the following extract from Charles Nodier's "Souvenirs de Jeunesse":—

On a peint toutes les voluptés intimes de l'âme; je regrette qu'on n'ait pas décrit la volupté immense qui saisit un cœur de douze ans, formé par un peu d'instruction et par beaucoup de sensibilité à la connaissance du monde vivant, s'emparant de lui comme d'un apajage dans une belle matinée du printemps. C'est ainsi qu'Adam dut voir le monde fait pour lui quand il s'éveilla d'un sommeil d'enfant, au souffle de son créateur. Oh! que la terre me paraissait belle! Oh! comme je suspendais mon haleine pour écouter l'air des bois et les bruits du ruisseau! Que j'aimais le pépiement des oiseaux sous la feuillée, et le bourdonnement des abeilles autour des fleurs! Et j'étais là, comme une autre abeille, caressant du regard ces fleurs, car je les connaissais toutes par leur nom, soit qu'elles s'arrondissent en ombelles tremblantes, soit qu'elles s'épanouissent en coupes ou retombassent en grelots, soit qu'ils émaillassent le gazon, comme de petites étoiles tombées du firmament. Les cheveux abandonnés au vent, je courais, pour me convaincre de ma vie et de ma liberté; je perçais les buissons, je franchissais les fossés, j'escaladais les talus, je bondissais, je criais, je riaais, je pleurais de joie, et puis je tombais d'une fatigue pleine de délices, je me roulais sur les pelouses élastiques et embaumées, je m'enivrais de leurs émanations et, couché, j'embrassais l'horizon bleu d'un regard sans envie, en lui disant avec une conviction qui ne se retrouve jamais: "Tu n'es pas plus pur et paisible que moi" . . . C'était pourtant moi qui pensais cela!

Dieu tout-puissant! que vous ai-je fait pour ne pas me rendre, au prix de ce qui me reste de vie, une de ces minutes de mon enfance! Hélas! tout homme qui a éprouvé comme moi l'illusion du premier bonheur et des premières espérances, a subi, sans l'avoir mérité, le châtement du premier coupable. Nous aussi, nous avons perdu un paradis!

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on July 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C.4.

TOO LATE FOR CLASSIFICATION.

CHANNING HOUSE SCHOOL, HIGHGATE, N.6.—
Wanted, in September, Resident MISTRESS (Graduate) for Physics and Mathematics up to London Matriculation standard. Salary £80 and laundry. Apply to the HEAD MISTRESS.

WEST RIDING COUNCIL.—EDUCATION DEPARTMENT.

The West Riding Education Committee invite applications for an appointment as ASSISTANT in the Secondary Branch of the Department. Candidates should be Graduates, preferably in Honours. The possession of a Diploma in Education will be an advantage. Salary £250, rising to £350 by annual increments of £10. A form of application may be obtained, together with particulars of the duties and conditions of appointment, from the Education Department, County Hall, Wakefield. The form should be completed and returned, together with copies of not more than three recent testimonials, so as to reach the Education Department not later than 9 a.m. on July 21st. 1919.

MACMILLAN'S NEW BOOKS.

Problems of National Education. By TWELVE SCOTTISH EDUCATIONISTS. With Prefatory Note by the Right Hon. ROBERT MUNRO, K.C., M.P., Secretary for Scotland. Edited by JOHN CLARKE. 12s. net.

The Times Educational Supplement.—"This volume is of real importance. It provides a compendious study of modern educational works and ideals, and must hearten every teacher who reads it."

Scottish Literature: Character and Influence. By G. GREGORY SMITH. 8s. 6d. net.

English Literature for Secondary Schools. New Volumes.

Reynard the Fox. Edited for Schools by H. A. TREBLE, M.A. Illustrated by W. F. CALDERON. Sewed. 1s. 6d.

Macaulay's Essay on Frances Burney (Madame D'Arblay). With Introduction and Notes by ALICE D. GREENWOOD. Sewed. 1s. 6d.

Sir Philip Sidney's Defence of Poesy. Edited by DOROTHY M. MACARDLE, B.A. Sewed. 1s. 3d.

Ruskin. The Crown of Wild Olive. Three Lectures on Industry and War. Edited for Schools by J. H. FOWLER. Sewed. 1s. 3d.

Eliot. Silas Marner. Abridged for Schools by MAY COPSEY, B.A. Sewed. 1s. 6d.

Pocket Classics. New Volumes.

Sheridan. The Rivals and The School for Scandal. Edited, with Introduction and Notes, by W. D. HOWE, Ph.D. 1s. 6d. net.

English Essays. An Anthology of Essays from Bacon to Lucas. Edited, with Introduction and Notes, by DAVID T. POTTINGER, A.M. 1s. 6d. net.

A Geography of America. By T. ALFORD SMITH, B.A. (Lond.), F.R.G.S. With over 100 Maps and Illustrations. 4s. 6d.

[Macmillan's Practical Modern Geographies.

The Teacher's World.—"A well-illustrated and well-written textbook on North and South America. . . . The book will be found useful for the middle and upper forms in secondary schools, and for those continuation schools which make a special study of the Americas."

Macmillan's Geographical Exercise Books. Africa. With Questions. By B. C. WALLIS, B.Sc. Sewed. 1s. 6d.

Botany of the Living Plant. By F. O. BOWER, Sc.D., F.R.S., Regius Professor of Botany in the University of Glasgow. With 447 Figures. 25s. net.

The Oxford Magazine.—"Undoubtedly the most important didactic work on the science produced in this country for many years past. It will certainly appeal, as the author hopes, as well to the general reader as to the professed student. . . . The book is admirably got up. The figures are numerous and adequate, many of them new for this purpose, and not a few original. There is an excellent index and glossary."

Suggestions of Modern Science concerning Education. By H. S. JENNINGS, J. B. WATSON, A. MEYER, and W. I. THOMAS. 5s. 6d. net.

Modern Education in Europe and the Orient. By Prof. D. E. CLOYD, Ph.D. 7s. 6d. net.

An Introduction to the Study of Science. A First Course in Science for High Schools. By WAYNE P. SMITH and EDMUND G. JEWETT. 7s. 6d. net.

How to Sing a Song. The Art of Dramatic and Lyric Interpretation. By YVETTE GUILBERT. With an Introduction by CLAYTON HAMILTON. Illustrated. 10s. 6d. net.

MACMILLAN & CO., LTD.,
ST. MARTIN'S STREET, LONDON, W.C. 2.

Science Master!
USE

Oertling

BUY
RELIABLE
INSTRUMENTS
THEY
INVARIABLY
STAND
HARD-USAGE

BALANCES

ON VIEW AT THE
BRITISH SCIENTIFIC EXHIBITION
3 JULY — 5 AUGUST



Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 473.

LA MARTINIÈRE FOR BOYS, CALCUTTA.

The Governors of this Higher Secondary Endowed School for European and Anglo-Indian Boys invite applications for the post of PRINCIPAL, which will be vacant at the end of March 1920, owing to the retirement of the present incumbent.

Candidates for the appointment must be Graduates in Honours of a British University, must be in sound health, and not more than thirty-five years of age.

Full particulars of the appointment, including information as to salary, leave, and Provident Fund, may be obtained from Messrs. HENRY S. KING & Co., 65 Cornhill, London, E.C.3.

LA MARTINIÈRE FOR GIRLS, CALCUTTA.

The Governors of this Higher Secondary Endowed School for European and Anglo-Indian Girls invite applications for the post of LADY PRINCIPAL, which will be vacant at the end of the present year, owing to the retirement of the present incumbent.

Candidates for the appointment must be Graduates, or have taken the Final Degree Examination, of a British University, must be in sound health, and not more than thirty-five years of age.

Full particulars of the appointment, including information as to salary, leave, and Provident Fund, may be obtained from Messrs. HENRY S. KING & Co., 65 Cornhill, London, E.C.3.

PRINCESS HELENA COLLEGE, BEALING.

Required, in September, HOUSE-MISTRESS MATRON to take charge of new Junior Boarding House. Must be good household manager and good disciplinarian. Ages of boarders, 10 to 12. Able to teach Needlework an advantage. Must be member of Church of England. Apply—PRINCIPAL.

MISTRESS (Resident) for MINISTERS' DAUGHTERS' COLLEGE, EDINBURGH (required at end of September), with good qualifications and experience, for Junior Form subjects. Geography essential; sewing desirable. Salary £70 (resident). Apply at once, sending seven copies of testimonials, to A. LANGWILL, C.A., Hon. Secretary, 19 Melville Street, Edinburgh.

Posts Vacant—continued.

THE SEALE-HAYNE AGRICULTURAL COLLEGE, NEWTON ABBOT, DEVON.

(Associated with the Education Authorities of the Counties of Devon and Cornwall.)

The Governors of the above Institution invite applications for the post of PRINCIPAL. The salary offered is £750 per annum with house. In making the appointment the Governors will attach much weight to capacity for organization, in addition to the possession of high professional attainments.

Full particulars may be obtained from Mr. EDWIN C. PERRY, 9 Upper Knollys Terrace, Plymouth, to whom applications (accompanied by copies of testimonials) should be sent on or before July 8th next.

Personal canvassing of Governors will be considered a disqualification.

BILSTON EDUCATION COMMITTEE.

Applications are invited from ASSISTANT TEACHERS for appointment in provided and non-provided Schools.

Form of application and scale of salaries may be obtained from the undersigned.

Education Office, Town Hall, Bilston. F. O. BEECH, Secretary.

SUNDERLAND EDUCATION COMMITTEE.

BEDE COLLEGIATE GIRLS' SCHOOL.

Head Mistress: Miss M. E. BOON, M.A.

Wanted, in September, a SCIENCE MISTRESS (Chemistry and Physics, Mathematics subsidiary).

An Honours degree and good secondary school experience desirable. Salary according to Grade II Scale, £170, rising by £10 increments to £300. Not more than ten years' approved previous experience may be allowed for in initial salary. Suitable Grade II Mistresses may be promoted to Grade III. Maximum, £360.

Application forms obtainable on sending stamped addressed envelope to the undersigned, to whom they should be returned as quickly as possible.

HERBERT REED, Chief Education Officer.
15 John Street, Sunderland.
20th June, 1919.

Posts Vacant—continued.

THE TRAINING COLLEGE, DERBY.

Wanted in September or October, a Lady of higher education as ASSISTANT TEACHER OF ENGLISH, TEACHER OF FRENCH, ASSISTANT TEACHER OF METHOD.

The post is resident, board, rooms, and laundry being provided. Candidates should be Churchwomen, should have taken a degree in English, or English and French, and either have taken or be willing to take some University Diploma in Education at an early date.

Salary to begin at £140 to £200, according to age, experience, and qualifications.

Applications to the Rev. Canon Bater, Training College, Derby, should be sent before July 7th, and should state age, experience, degree, special training (if any), education diploma (if any), particulars of early education. Testimonials should be either type-written or printed. The names of three referees should be given, one of whom should be a clergyman.

LEWISHAM GRAMMAR SCHOOL FOR GIRLS, CATFORD, S.E.6.

Wanted, in September, (1) A SENIOR ENGLISH MISTRESS; (2) A SENIOR MATHEMATICAL MISTRESS for Pure and Applied Mathematics and Physics. Honours degree and public-school experience essential in both cases. Salary by L.C.C. Scale. Apply to the HEAD MISTRESS.

MISTRESS.—English subjects, Latin. Senior post, with good opportunities. Experience essential. Degree or equivalent preferred. Salary £80 to £100 resident. Also MISTRESS, Geography or History, some Elementary Latin and Mathematics. Salary £60 to £80 resident. Apply—PRINCIPAL, St. Hilda's School, Edinburgh.

REQUIRED, in September, a non-resident MISTRESS for Kindergarten. N.F.U. Certificates, preferably for mornings only, 9 to 12, or, if full time, with Art. Apply—PRINCIPAL, Oakhill, 9 Ridgway Place, Wimbledon Common.

KIRKBY STEPHEN GIRLS' GRAMMAR SCHOOL.—Two ASSISTANT MISTRESSES wanted in September to undertake between them Latin, Geography, Botany. Salary £100—£110—£200 resident. Apply—HEAD MISTRESS.

The Future Career Association.

(Established 1904.)

CONVEYANCING DEPARTMENT.

This Department is now under the direction of **Mr. F. C. NEEDES, B.A.**, whose experience, advice, and assistance are unreservedly placed at the disposal of **Purchasers** free of charge.

TRANSFERS and PARTNERSHIPS arranged by correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

An **unusual opportunity** offers itself to a young energetic lady of good social position, with educational qualifications, to acquire a **partnership** in one of the best **Girls' Schools** near London. Sound investment, but monetary consideration of secondary importance.

FOR SALE (*inter alia*).

1. **North of England.—Flourishing Good Class Girls'.**—Estab. 40 years. 22 Day Boarders. Fees £3 a term plus tuition fees. 141 Day. Fees from £2.7s. to £4 a term. Receipts 1918, £1,786. Net profits £562. Good premises—vendor's freehold—will sell for £1,450, mortgage arranged or will let. School has a splendid connexion and has a good reputation. Goodwill about £800. School furniture, &c., at valuation. Excellent chance for two or more ladies.
2. **East Coast.—High Class Ladies' Boarding School** of 30 Boarders for Sale owing to recent death of Principal. Receipts this year about £2,500. Good premises (2 suitable houses). Rents £80 and £50. School flourishing, old established, and practically full. Good introduction given. Goodwill about £1,000 or capitation fee. School furniture, &c., at valuation.
3. **Salop.—Flourishing Boarding and Day School** of 15 Boarders, 11 Day Boarders, and 45 Day. Receipts to February 1919, £1035. Specially built premises, with every accommodation. In best residential part. Rent only £80. One term's capitation fees accepted. School and House furniture (if required) at valuation.
4. **Home Counties.—High Class Day** connexion of about 35 pupils to be had, with probably a few young boarders, all at high fees. Good chance of working up a large day connexion. Excellent premises, with grounds of nearly 3 acres. Rent about £300. One Term's capitation fees accepted. Suitable for a lady of good educational qualifications anxious to secure a High Class Day connexion, or a lady wishing to remove her Boarders to an attractive residential locality.
5. **Lincoln.—old estab., good Middle Class Girls' School.**—19 Boarders. 6 day ditto and 40 Day pupils. Receipts £1,052. Large house and grounds. Rent only £100. Vendor, who is going abroad, will accept one Term's capitation fees.

53 VICTORIA ST., WESTMINSTER, S.W.1
Telephones: Victoria 4163 and 5942.

The Future Career Association.

THE

SCHOOLMASTERS' ADVISORY BUREAU

The busy Master who has the welfare of his boys at heart should not delay in joining this Association.

The monthly journal will keep him *au fait* with the changing conditions and prospects of all careers at home and abroad, with Scholarships and Exhibitions available at the Universities and elsewhere, with forthcoming examinations and other items of importance on all questions concerning education and vocations.

Individual inquiries from Members are also promptly and accurately dealt with by post.

Membership Roll includes Head and Assistant Masters, University Tutors, Private Tutors, and Education Officials at Home and Overseas.

Further particulars from—

THE SECRETARY, F.C.A.,

53 VICTORIA STREET, S.W.1.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 475.

BEDFORD GIRLS' MODERN SCHOOL.—Wanted in September, FORM MISTRESS for Junior School. Good Geography desirable. English, Arithmetic, Needlework. Training or experience essential. Salary from £140. Apply—HEAD MISTRESS.

REQUIRED, in September: (1) MISTRESS for Mathematics, Botany, Chemistry. **(2) JUNIOR FORM MISTRESS.** Salary according to qualifications and experience. Applicants must be R.C. Apply—St. Bernard's Convent, Westcliff-on-Sea, Essex.

SAINT BRANDON'S, BRISTOL (CHURCH SCHOOL).—Wanted, in September, two resident Mistresses. **(1) FORM MISTRESS,** English chief subject. **(2) Qualified GYMNASIAC MISTRESS** for Drill, Dancing, Games, and some Junior Form work. Initial salary according to qualifications and experience. Apply—HEAD MISTRESS.

BRIDLINGTON HIGH SCHOOL FOR GIRLS.—Wanted, in September, ENGLISH MISTRESS. Honours degree. Salary from £150. Apply—HEAD MISTRESS.

SHREWSBURY HIGH SCHOOL (G.P.D.S.T.).—Wanted, in September, MUSIC MISTRESS, Piano and Singing. For terms, apply—HEAD MISTRESS.

LUDLOW HIGH SCHOOL FOR GIRLS.—LOWER SCHOOL MISTRESS required in September to teach Arithmetic, Algebra, or Geometry, Drawing, and some other subject or subjects in Lower School. Apply at once to the HEAD MISTRESS.

HOUSE ASSISTANT required, in September, for one of the Senior Houses of Girls' Schools in Scotland. Well educated lady of from 30 to 40, competent to take charge of house and be largely responsible for health and welfare of girls (22) out of school hours. Salary according to qualifications. Apply to Miss RENTON, St. Bude's School, Helensburgh.

Posts Vacant—continued.

REQUIRED, MISTRESS for MUSIC, Elementary Latin, and Mathematics. Also Lady for Domestic Work of Private Preparatory School.—The Lawn, St. Austell, Cornwall.

CHELMSFORD COUNTY HIGH SCHOOL.—Wanted, in September, SCIENCE MISTRESS, Elementary Physics and Chemistry and Senior Botany. Initial salary £160 to £190, according to academic qualification and experience. Apply to HEAD MISTRESS.

HAINES HILL SCHOOL, TAUNTON.—Wanted, September, SENIOR MATHEMATICAL MISTRESS. Botany subsidiary. Degree and Churchwoman essential. Good experience desirable. Initial salary £100 to £130 resident, according to qualifications. Apply PRINCIPAL.

QUEEN ANNE'S SCHOOL, CAVERSHAM, READING.—Wanted, in September, a HOUSEKEEPER for the School-house. Previous school experience essential. Initial salary £90. Apply—HEAD MISTRESS.

THE BEEHIVE, BEXHILL-ON-SEA.—Required, in September, a resident MISTRESS to teach History and English. Elementary Latin and Mathematics desirable. Apply to PRINCIPAL.

LIVERPOOL COLLEGE, GROVE STREET, LIVERPOOL.—Required, in September:—**(1) SENIOR SCIENCE MISTRESS,** **(2) CLASSICAL MISTRESS.** Apply to the HEAD MISTRESS.

REQUIRED, in September, (1) SCIENCE MISTRESS, **(2) EXTRA MISTRESS** for Mathematics. Degree. Salaries under revision. Apply, stating qualifications and salary required—Miss LLOYD, County School for Girls, Penarth, near Cardiff.

BIRKENHEAD HIGH SCHOOL (G.P.D.S.T.).—Wanted, in September, non-resident SCIENCE MISTRESS to teach Chemistry and Physics, with subsidiary Botany if possible. Degree or equivalent essential. Salary from £160, according to qualifications and experience. Apply, with full particulars, to the HEAD MISTRESS.

Posts Vacant—continued.

THE MAYNARD SCHOOL, EXETER.

Wanted, in September:—

(1) MODERN LANGUAGES MISTRESS. Good degree or equivalent essential. Experience and residence abroad desirable. Salary, non-res., from £100 to £190. Res. if desired.

(2) KINDERGARTEN MISTRESS to take charge of Preparatory Department and train students. Experience essential. Non-res. £140 to £190. Res. if desired.

(3) HOUSE MISTRESS to take charge of Boarding House attached to above School. Apply—HEAD MISTRESS.

CLITHEROE GRAMMAR SCHOOL.—FORM MASTER (Lower School) wanted in September. Graduate. Lancashire scale of salaries.—C. M. HENDERSON, M.A., Head Master.

WOOLWICH POLYTECHNIC. ASSISTANT LECTURERS required for Chemistry and for Mathematics. Salary in each case according to scale, rising to £100. Allowance made for previous experience or military service. For further particulars apply to PRINCIPAL, The Polytechnic, Woolwich, S.E.18.

KING EDWARD'S SCHOOL, BIRMINGHAM.—BOYS' HIGH SCHOOL.—An ASSISTANT SCIENCE MASTER is required for next term, beginning on September 17th. Commencing salary £300, or according to experience. Some preference would be given to a Cambridge First Class man with especially good qualifications in Chemistry. Applications, accompanied by copies of testimonials, to be sent at once to R. CAREY GILSON, Esq., King Edward's School, Birmingham.

RESIDENT MUSIC MISTRESS required in September. Knowledge of the Matthay and Curwen Methods essential. Apply—Miss PARKER GRAY, Abbotsford, Broadstairs.

WANTED, in September, at S. Katharine's, Hook Heath, Woking (Private School of 30 boarders). Certificated Resident MISTRESSES for Piano, Gymnastics and Games, elementary Mathematics, English, Latin, and Science. Churchwomen, cyclists, and gentlewomen. State age, salaries, &c.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO., 36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for Mistresses for September Term, 1919, for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates:—

General Form Mistresses.

SENIOR ENGLISH MISTRESS required in large Girls' School in the West of England. Candidate looked for who has Honours Degree and can offer French as subsidiary subject. The post will be non-resident and salary from £180 to £300, according to qualifications and experience.—No. 13,724.

ASSISTANT MISTRESS in very important Girls' Boarding School in South of England, to teach History as chief subject and Latin as subsidiary. Salary from £100 res., according to qualifications and experience.—No. 13,532.

HEAD ENGLISH MISTRESS in important Girls' Boarding School on South Coast, to offer History with Literature and Scripture. Candidate is looked for who has a Degree or equivalent. Salary from £120 res., according to qualifications.—No. 13,490.

ASSISTANT MISTRESS in Girls' Boarding School in North England, to teach some or all of the following subjects:—Latin, Geography, Botany, and Mathematics up to Senior Cambridge standard. The post will be res. and salary offered about £90, according to qualifications.—No. 13,312.

MIDDLE SCHOOL MISTRESS in very important Girls' Boarding School in South of England, to offer Geography as chief subject. The post will be res. and a good salary offered, according to qualifications.—No. 13,900.

SENIOR ENGLISH MISTRESS in Girls' Private School in West of England, to offer English Literature and History as chief subjects. Candidate is looked for who has a Degree or equivalent. Salary up to £100 res.—No. 13,872.

ENGLISH MISTRESS in large Girls' School in West of England, to offer English throughout the School. Candidate looked for with Honours Degree. Salary offered from £140 to £240 non-res., according to qualifications.—No. 13,830.

SENIOR ENGLISH MISTRESS in important Girls' Boarding School in the South-West of England, to offer general subjects up to Cambridge Higher Local standard. Salary offered about £80, according to qualifications.—No. 13,754.

Mathematical and Science Mistresses.

SCIENCE TEACHER required in important Girls' Boarding School in North of England, to offer Botany as chief subject, with subsidiary Chemistry or Biology. Candidate is looked for who has a Degree. Salary from £100 res., according to qualifications.—No. 13,695.

SCIENCE MISTRESS in important Girls' Boarding School within easy distance of London, to offer Botany and Chemistry as chief subjects, with elementary Mathematics as subsidiary. Salary about £110, according to qualifications.—No. 13,875.

MATHEMATICAL MISTRESS in important Girls' School in the North of England. Candidate looked for with Honours Degree. Salary from £200 non-res.—No. 13,855.

MATHEMATICAL MISTRESS required in important Girls' Boarding School in South of England, to also offer Botany. Member of Church of England essential, also Graduate. Salary up to £130 res.—No. 13,842.

MISTRESS in important Girls' Boarding School in North England to teach Science and Mathematics. Graduate looked for. Post res. and salary offered about £90.—No. 13,748.

SCIENCE TEACHER for Chemistry and Mathematics in important Girls' School in North England. Salary from £180 non-res.—No. 13,675.

SCIENCE TEACHER in important Girls' Boarding School on South Coast, to teach Botany, Zoology, and Physiology. Candidate looked for who is Graduate. Salary from £100 res.—No. 13,113.

Modern Language Mistresses.

ASSISTANT MISTRESS required to teach French on the Direct and Phonetic Systems in Girls' Boarding School near London. Salary from £120 non-res.—No. 13,831.

ASSISTANT MISTRESS, to teach French throughout the School in important Girls' School in London. The post will be res., and good salary offered.—No. 13,815.

MODERN LANGUAGE MISTRESS in important Girls' School in North of England, to teach both French and German acquired abroad. Salary from £180 non-res.—No. 13,773.

MODERN LANGUAGE MISTRESS, to teach French throughout the School. Candidate is looked for who has Honours Degree. Salary from £100 res. or from £160 non-res.—No. 13,633.

Games and Domestic Science Mistresses.

DOMESTIC SCIENCE TEACHER in important Girls' Finishing School within easy distance of London. Salary about £80 res.—No. 13,817.

DOMESTIC SCIENCE MISTRESS in important Girls' Boarding School in South of England. Candidate looked for who can also offer subsidiary subjects. The post will be res., and good salary offered.—No. 13,631.

PHYSICAL CULTURE MISTRESS in important Girls' Boarding School on South Coast, to teach Games, Gymnastics, and Dancing. Candidate looked for who is fully qualified. The post will be res., and good salary offered.—No. 13,837.

PHYSICAL CULTURE MISTRESS in important Girls' Boarding School on South Coast, to offer Games and Dancing. Candidate looked for who is fully qualified. The post is res., and salary offered about £100.—No. 13,015.

Music and Art Mistresses.

ART MISTRESS, required in important Girls' School, within easy distance of London. Candidate looked for who is fully qualified and, if possible, has Art Master's Teacher's Certificate. The post will be res., and salary offered, from £130 to £160.—No. 13,690.

ART MISTRESS, in important Girls' Boarding School on South Coast. Candidate looked for who can also offer Needlework or Junior English. Salary about £80.—No. 13,590.

SENIOR MUSIC MISTRESS, in important Girls' Boarding School in South of England, to offer Piano, Class Singing, and Theory, with Violin, if possible. Candidate looked for who is fully qualified, and must be a member of the Church of England. Salary abt. £80.—No. 13,655.

ASSISTANT MISTRESS, to teach good Piano, Singing, also Choir Training and Organ, will be required in important Boys' Preparatory School, within easy distance of London. The post will be res., and salary from £100.—No. 13,445.

General Junior Form Mistresses.

KINDERGARTEN MISTRESS in important Secondary School required, within easy distance of London. The post will be non-res. Salary offered according to qualifications.—No. 13,874.

JUNIOR MISTRESS in Home School on South Coast, to offer Geography and Needlework, with subsidiary subjects. Salary from £140 non-res.—No. 13,871.

ASSISTANT TEACHER to take charge of Kindergarten Department, in important Grammar School in South-west of England. Candidate looked for who is fully qualified. Salary from £160 to £320.—No. 13,795.

ASSISTANT MISTRESS to teach Form II, with special qualifications in Class Singing, is required in important Girls' Boarding School in Scotland. Salary from £160 to £220 non-res.—No. 13,667.

ASSISTANT MISTRESS in Junior School in a large Girls' School in the North of England. Candidate looked for who is fully qualified. Salary from £130 to £160 non-res.—No. 13,686.

KINDERGARTEN MISTRESS who can offer good Geography or Latin, in important Girls' Boarding School in the South of England. Candidate must be member of Church of England. Salary about £100, in addition to board and residence.—No. 13,693.

Messrs. GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS' GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Posts Vacant—continued.**PORTSMOUTH EDUCATION COMMITTEE.****HIGHER EDUCATION.**

Applications are invited for the following appointments vacant in September next:—

BOYS' SECONDARY SCHOOL.

Head Master: G. J. PARKS, D.Sc.

Three SCIENCE MASTERS qualified in Mathematics, Physics, or Chemistry—preferably in all three subjects.

Two MASTERS qualified in English subjects or French—preferably in both subjects.
Salary: £170—£10—£250.

GIRLS' SECONDARY SCHOOL.

Head Mistress: Miss A. M. KENYON HITCHCOCK, B.A.

A SCIENCE MISTRESS for Junior Work in elementary Physics, Chemistry, and Botany.

A GYMNASIAC MISTRESS (Dartford training preferred).

A FORM MISTRESS to teach English and Mathematics, probably to Junior Forms. (Preference will be given to a candidate able to undertake some Class Singing.)

Salary: £150—£10—£200.

JUNIOR TECHNICAL SCHOOL.

Head Master: W. T. FELLOWS, B.Sc.

Six ASSISTANTS, each qualified to teach two or more of the following subjects, viz.: English, Mathematics, Physics, Mechanics, Technical Drawing, and Physical Training.

Salary: £170—£10—£250.

MUNICIPAL SCHOOL OF ART.

Principal: T. T. NELSON, A.R.C.A.

One ASSISTANT, with experience and recognized qualification.

Salary: £200—£10—£250.

The commencing salary in the scale will be fixed according to the candidates' qualifications and experience.

Application forms and further particulars may be obtained by forwarding an addressed foolscap envelope to the SECRETARY, Offices for Higher Education, Municipal College, Portsmouth, to whom applications should be returned, as early as possible, accompanied by copies of not more than three recent testimonials.

H. E. CURTIS, Secretary.

THE DUCHESS' SCHOOL, ALNWICK.

ASSISTANT MISTRESS required in September for Mathematics and Needlework (Handwork, 1st year Latin, or Netball an advantage). Salary according to Northumberland County Scale. Graduates, £150 to £275; non-Graduates, £110 to £190; with train fare each term in addition for those whose homes are distant from the School. Apply immediately to HEAD MISTRESS.

GIRLS' GRAMMAR SCHOOL,

GTHETFORD, NORFOLK.—Wanted, September, Graduate Non-Resident MISTRESSES for: (1) Botany and General Experimental Science, with geography desirable; (2) English and French. Salary scale, commencing £150 a year, with annual increments of £10, rising to £260. Experience and training considered, but initial salary not to exceed £170. Apply—HEAD MISTRESS.

CITY OF SHEFFIELD EDUCATION COMMITTEE.**CENTRAL SECONDARY GIRLS' SCHOOL.**

Head Mistress: Miss F. M. COUZENS, B.A. (Lond.).

Wanted, in September:—

SCIENCE MISTRESS for Botany, Chemistry, and Physics. Experience desirable. Initial salary £180 to £200 non-resident. Scale under revision.

A War Bonus of at least £20 per annum is guaranteed until 31st October, 1920.

Apply at once to the HEAD MISTRESS.

H. S. NEWTON, Secretary.

REQUIRED in September:—

(1) JUNIOR FORM MISTRESS to teach Arithmetic, Mathematics, and Latin.

(2) GYMNASIAC, DANCING, AND GAMES MISTRESS.

(3) STUDENT-MISTRESS to help with elementary Music.

(4) FRENCHWOMAN, chiefly for conversation. Apply to the PRINCIPALS, Winchester House School, St. Leonards-on-Sea.

WANTED, in September,
MATHEMATICS MISTRESS. Degree (in Science preferred) and experience essential. Charge of Form. Initial salary £150 or £160 (according to qualifications), plus 25 per cent. War Bonus. (Salary scale under consideration.) Apply—HEAD MISTRESS, Higher Tranmere High School, Clarence Road, Birkenhead.

Posts Vacant—continued.**BATTERSEA POLYTECHNIC,**
LONDON, S.W.11.

The Governing Body invite applications for the appointment of MISTRESS OF METHOD and LECTURER IN PSYCHOLOGY (with Honours Degree or its equivalent) for Domestic Science Training Department (full-time post). Salary £255, rising to £400 in accordance with L.C.C. scale. A temporary War Bonus of £39 is also paid.

For particulars of the appointment send stamped addressed envelope to the SECRETARY.

TYPEWRITING and Duplicating,
MSS., &c.; accurate, prompt.—MILNER, 18 Cardigan Street, Cardiff.

BOURNEMOUTH COL-

LEGIATE SCHOOL.—Two fully qualified Resident MISTRESSES: (1) Classics, with French subsidiary; (2) Geography and Mathematics. Light supervisions. Initial salary £70 to £100, according to qualifications, with annual increment according to scale. Apply—PRINCIPAL.

APPLICATIONS are invited for

the post of NURSERY SCHOOL SUPER-INTENDENT of a Nursery School to be started in connexion with the Passmore Edwards Settlement. Training or experience in similar work essential. Salary £80 a year with board and residence. Further particulars from the ACTING WARDEN, Passmore Edwards Settlement, Tavistock Place, W.C.1.

HOWARD COLLEGE, BED-

FORD.—ASSISTANT MISTRESS (resident) required in September. Chief subjects: Botany, English. Salary according to qualifications. Apply, stating age, experience, and subsidiary subjects, to the HEAD MISTRESS.

COUNTY SCHOOL FOR GIRLS,

BRECON.—Wanted, in September, a MISTRESS for Science (Botany) and Mathematics. Salary according to qualifications. Apply—HEAD MISTRESS.

WANTED, for Autumn Term, a

fully qualified SWEDISH DRILL AND GAMES MISTRESS, who is also able to take Class Singing. Initial salary not less than £130, rising by £10 yearly increments to £220.

Also an experienced FORM MISTRESS, with Geography Diploma and Elementary Mathematics. Salary according to qualifications and experience.

Apply to HEAD MISTRESS, Simon Langton's Girls' School, Canterbury.

SOWERBY BRIDGE SECOND-

ARY (DUAL) SCHOOL.—Applications required for the post of SENIOR MISTRESS for September next. Good experience in Secondary School work essential, and must be well qualified to teach English and French. Minimum salary £200, rising by £10 increments to £380; allowance made for each year of experience. Applications to be made on special forms which will be forwarded on receipt of a stamped envelope, returnable by Monday, July 14th, 1919, to LEWIS RHODES, Clerk to the Governors, Commercial Bank Chambers, Halifax.

June 23rd, 1919.

WANTED, for an English School

in Denmark, a fully trained Certificated English TEACHER OF DOMESTIC ECONOMY (resident). Apply, giving full particulars and stating salary required, to Countess RABEN-LEVITZAU, The English School, Nysted, Denmark. Term begins September 4th.

UNIVERSITY COLLEGE,

READING.—The Council will shortly appoint a LECTURER in Education and Teacher of Handwork (exclusive of Needlework). Applications should be sent in by July 17 to the REGISTRAR, from whom full particulars of the appointment may be obtained. The stipend offered is £250.

FIRST FORM MISTRESS; also

MISTRESS for Swedish Drill, Dancing, Swimming, Games, both resident, required in September. Address full details—PRINCIPAL, Ely House, Ladies' College, Wolverhampton.

SEPTEMBER VACANCY.—Resi-

dent MISTRESS required in good-class School, teaching Mathematics, Latin, and possibly Botany. Address—PRINCIPAL, Southlands, Blatchington, Seaford.

ST. KATHARINE'S SCHOOL,

WANTAGE.—Recognized by the Board of Education. Kindergarten and Practising School. Students trained for the Froebel Certificates by qualified teachers. Vacancies for three Students. For terms, apply to the SISTER SUPERIOR.

Posts Vacant—continued.**LIVERPOOL EDUCATION COMMITTEE.**

Applications are invited for the following posts, viz.:—

(1) QUEEN MARY HIGH SCHOOL FOR GIRLS, ANFIELD ROAD.

Head Mistress: Miss E. R. GWATKIN.

SENIOR HISTORY MISTRESS. Salary under Scale (Grade II) according to qualifications and experience.

(2) AIGBURTH VALE HIGH SCHOOL FOR GIRLS.

Head Mistress: Miss J. L. COATES.

PHYSICAL TRAINING MISTRESS. Salary according to qualifications and experience.

Forms of application and further particulars may be obtained from JAMES G. LEGGE, Director of Education, 14 Sir Thomas Street, Liverpool, to whom they should be returned immediately.

EDWARD M. PICKMERE,

Clerk to the Local Education Authority.

June 21, 1919.

WYCOMBE ABBEY SCHOOL,

BUCKS. Wanted—

(1) In September, a MISTRESS, to teach French and, if possible, Italian.

(2) In September or January, a SCIENCE MISTRESS, to teach chiefly Botany and Natural History.

(3) In September or January, a MISTRESS to teach Scripture.

In all cases Degree or equivalent essential: experience desirable. Salary £180 to £300, according to qualifications and experience. Pension Scheme. Apply to HEAD MISTRESS.

THE CAMBRIDGE TRAINING

COLLEGE FOR WOMEN.—The Council of the College invites immediate application for the post of resident LECTURER, vacant in September. Candidates must be trained teachers with an Honours degree and good secondary school experience. Subjects required: English, together with French and History. Blackboard Drawing and a knowledge of Hygiene or some Science would be a recommendation. Salary £140, with board and residence throughout the year. Applications (six copies), including three recent testimonials and names of two references, should be sent at once to the PRINCIPAL, Cambridge Training College, Wollaston Road, Cambridge.

GIRLS' SCHOOL COMPANY,

LTD.—ST. BRIDE'S SCHOOL, HELENSBURGH, DUMARTONSHIRE.—Required, in September, HISTORY MISTRESS for Upper and Middle School Classes. University preparation work. English as subsidiary. Form duties. Good degree (or equivalent) essential. Salary scale £160, rising to at least £220, non-resident. Initial salary according to qualifications. Concession on long-distance railway fare. Apply to the HEAD MISTRESS.

ST. GEORGE'S SCHOOL FOR

GIRLS (INCORPORATED), GARSCHUR TERRACE, EDINBURGH.—Wanted, in October, MISTRESS to teach Botany throughout the School, with Physics and Chemistry as subsidiary subjects. Degree, training, and experience desired. Initial salary from £170; scale under consideration.

WANTED, in September, Two

Resident MISTRESSES: (1) English, Grammatical French, elementary German; (2) Kindergarten, with Drill and Games. Or, DRILL AND GAMES MISTRESS, with knowledge of Kindergarten work. Experienced. Very light supervision duties. Full particulars, with salary desired—PRINCIPAL, Woodridings School, Hatch End, Middlesex.

NEW IDEALS IN EDUCATION

SCHOOL.—Wanted, in September, a Resident MISTRESS to direct free studies of children 6 to 8 years. It is hoped to form the School into a little community on co-operative lines. Open-air classes whenever possible. Good knowledge of Handicrafts desirable. Fair-sized staff and Matrons kept. Boarders from 2 to 17 years and Day Scholars.—K. M., 17 Finchley Road, London, N.W.8.

BEDFORD COLLEGE FOR

WOMEN (UNIVERSITY OF LONDON), REGENT'S PARK, N.W.1.

The Council of Bedford College invite applications for the following appointments:—

(1) ASSISTANT LECTURER IN CHEMISTRY, for Inorganic and Physical Chemistry.

(2) ASSISTANT IN GEOGRAPHY.

(3) DEMONSTRATOR IN PHYSICS.

(4) Part-time DEMONSTRATOR IN PHYSIOLOGY.

Further particulars may be obtained from the SECRETARY OF COUNCIL, to whom applications for the posts should be sent not later than Monday, July 14th.

THE JOINT AGENCY FOR WOMEN TEACHERS,

OAKLEY HOUSE,
14, 16, and 18 BLOOMSBURY STREET, LONDON, W.C.1.

Teachers seeking Posts in Public and Private Schools and Training Colleges for September should apply at once to the Registrar. Governesses seeking Private Posts are also invited to enter their names on the books of the Agency.

The following are selected from the posts vacant:—

SCIENCE AND MATHEMATICS.

- Girls' County High School in Cheshire. (1) Senior Mathematics. (2) Advanced Botany, general elementary Science. Honours degrees desirable. Salary scale: £150—£110—£350. JA 18202 & 18203
- Girls' High School in Norfolk. Chemistry, Physics, Botany. Salary about £200. JA 18262
- Girls' High School in Midlands. Junior Science Mistress. Chemistry, Physics, Botany. Salary from £150, rising to £300. JA 18290
- Girls' Secondary School in Midlands. Botany and general elementary Science. Degree and experience. Salary £180 to £200. JA 18292
- Girls' Public School in Lancashire. Chemistry, Botany, elementary Physics. Churchwoman. Salary £130 to £150 resident, rising to £200. JA 18311
- Girls' Public School on Yorkshire Coast. Botany and other Science subjects. Churchwoman. Salary from £100 resident. JA 18351
- Girls' Public School on Sussex Coast. (1) Mathematics. (2) Science and Junior Mathematics. Salaries: (1) £80 to £85 resident, and (2) from £75 resident. JA 18400 & 18401
- Girls' High School in Lincolnshire. (1) Senior Mathematical Mistress. Salary from £130. (2) Science, Botany chief subject. Salary up to £230 or £240. JA 18154 & 18414
- Girls' Public School in Lancashire. Mathematics. Honours degree. Initial salary £200. JA 18458
- Girls' Public School in Norfolk. Science. JA 18462
- Girls' High School in Surrey. Senior Mathematical Mistress. Churchwoman. Salary £180. JA 18482

GEOGRAPHY.

- Girls' County School in South Wales. Geography. Graduate scale from £130 or £140; non-Graduate £120. JA 18253
- Girls' County High School in Essex. Geography. Salary scale (Graduates): £130 to £160—£110—£225. JA 18330
- Girls' Public School in Yorkshire. Geography. Degree or diploma. JA 18439
- Girls' Public School in Worcestershire. Geography. Salary from £130 or £150; increments £10. JA 18489

CLASSICS.

- Girls' Public School in London, W. Classics. Honours degree. Salary £140 to £200. JA 18326
- Girls' Public School in Staffs. Classics. Cambridge Tripos preferred. Minimum salary £160. JA 18359
- Mixed Grammar School in Derbyshire. Latin, with French and English. Initial salary £150 to £170, rising to £300 or £350. JA 18426
- Girls' Public School in Cheshire. Honours degree in Classics. Present scale £150 to £220. JA 18438.

HISTORY AND ENGLISH.

- Girls' Grammar School in Essex. History, English. Initial salary £160. JA 18331
- Girls' Public School in Lincolnshire. History, Geography. Initial salary £150. JA 18392
- Mixed Intermediate School in Glamorganshire. History. Initial salary £200 to £250. JA 18394

- Girls' Public School in London, W. (1) History. Salary £220. (2) English. Salary about £180. JA 18195, 18398
- Girls' Public School in London, S.W. History. Oxford or Cambridge. Salary about £150. JA 18423
- Mixed Grammar School in Hants. Senior Mistress to teach History and Geography. Minimum salary £180, rising to £300. JA 18450
- Boys' Public School in Devon. English and History. Salary scale (Graduates) £140—£110—£260. JA 18451
- Girls' Public School in Somerset. History and English. Probable salary scale £150 to £300. JA 18467
- Girls' Secondary School in Devon. English for Advanced Course. Salary scale to £310. JA 18484

MODERN LANGUAGES.

- Girls' Public School in Lancashire. French, German. Salary from £150. Increments £10. Maximum, £200. JA 18302
- Girls' High School in County Durham. French, Phonetics. Degree and training. Probable salary for beginners, £150. JA 18312
- Girls' Public School in Surrey, near London. French. Honours degree. Salary scale £150 to £260. War Bonus £45. Age about 25. JA 18324
- Girls' Public School in London, W. Junior French, Geography, English. Degree and training desired. Salary £130 to £150. JA 18325
- Girls' Public School in Devon. French and German. Honours degree. Initial salary £150 to £190. JA 18407
- Mixed Grammar School in Warwickshire. French, Class Singing, Junior English. Degree, training preferred. Salary £180, rising to £350. JA 18417
- Girls' High School in London, N.W. German, with English or French. Degree, training, or experience. Salary from £150. JA 18449
- Girls' Public School in London, S.E. Junior French; German desirable. Degree and training or experience. Salary £160. JA 18454
- Mixed Grammar School in Lancashire. French, Honours degree. Initial salary £160 to £215, rising to £350. JA 18471

FORM POSTS.

- Girls' County School in Kent. Form subjects and French. Initial salary £130 to £180, rising to £220 or £350. JA 18337
- Girls' High School in Hants. Junior Form, help with Geography and Needlework. Training. Salary for non-Graduate at least £130. JA 18366
- Mixed School in Yorkshire. Two Form Mistresses: one must offer French. Useful subjects: Nature Study, Singing, Shorthand, Games. Degree. Salary scale (£150 to £180), rising to £250 or £330. JA 18387, 18388
- Girls' Public School on Sussex Coast. Middle and Junior work. English, History, Grammar. Scripture. Churchwoman. Salary about £80 resident. JA 18402
- Girls' Public School in Yorks. General subjects. Salary up to £150. JA 18468
- Girls' Public School in Bedfordshire. Upper II Form. General English subjects and Geography Needlework. Higher Local or similar qualifications. Salary £140 non-resident. JA 18473

KINDERGARTEN & LOWER SCHOOL.

- Boys' Preparatory School in Staffs. Junior work and supervision. Churchwoman. Age not under 23. Salary scale £50—£10—£120 resident. JA 18200
- Girls' High School in Yorks. Form ages, 8 and 9. N.F.U. Certificate. Salary from £120. JA 18224
- Secondary School for Girls on South Coast. (1) Form ages, 11 to 12. Middle School Mathematics. Salary £160. (2) Form ages, 9 to 10. Games. Salary £150. JA 18334, 18335
- County School for Girls in Kent. Form I. Junior Singing, Games, Swimming. Initial salary £130 to £180, rising to £220. JA 18338
- County High School in Wilts. Lower III Form Mistress (average age, 11½). N.F.U. Certificate of Lower School Training. Initial salary £135 to £150, rising to £220. JA 18354
- County High School in Cumberland. Kindergarten and Form I subjects. Drawing, Elocution. Churchwoman. Salary scale: £120—£10—£230. JA 18399
- Girls' School in West of England. Kindergarten and students. Good experience essential. JA 18443
- Mixed School in Berks. Forms I and II. Drill, Games. N.F.U. Higher Certificate. Initial salary £120 to £140, rising to £195. JA 18456
- Mixed School in Warwickshire. Junior Form. Ages 8 to 10. Salary scale: Initial, Graduate, £180; non-Graduate, £160. Increments £10. JA 18474
- Boys' Grammar School in Lancs. Preparatory Mistress. Drawing, Handwork, Singing. JA 18496

PRIVATE SCHOOLS.

- Private School in Yorks. Mathematics and Elementary Science. JA 17745
- Private School in Cheshire. Two Mistresses to teach between them Geography, Botany, History, Scripture, and some Latin. Salaries £60 to £70 resident. JA 17881
- Private School in North Yorks. (1) Chemistry, Botany, Mathematics. Salary £120 to £130 resident. (2) General Form subjects and Junior English. JA 18374, 18410
- Girls' Private School in West of England. Geography, Elementary Mathematics desirable. Good salary. JA 18342
- Girls' Private School in Sussex. Latin, Geography, Arithmetic. Degrees. Salary about £80 resident. JA 18357
- Girls' Private School on Kent Coast. English Literature, Latin, or Mathematics. Degree and experience desirable. Salary from £80 resident. JA 18421
- Boys' Preparatory School in Herts. Elementary English, Mathematics, French, History, Geography. Churchwoman. Salary about £70 resident. JA 18432
- Private School on Sussex Coast. Mathematics. Degree, training and experience desirable. Salary from £90 resident. JA 18453
- Private School in Midlands. English, Junior French, Latin, Mathematics, Botany for girls of 10. Salary £60 to £80 resident. JA 18480
- Private School on Sussex Coast. (1) Mathematics. (2) English Specialist, Oxford woman preferred. Good salary resident. JA 18494

Teachers who would like to apply for any of these posts should write at once to the Registrar for the Regulations of the Agency and enter their names without delay. **Reference to a post must be made by number.**

No Registration Fee is charged to Members of the following Societies:—

THE TEACHERS' GUILD, ASSOCIATION OF ASSISTANT MISTRESSES, THE COLLEGE OF PRECEPTORS and the Commission on the first year's salary is 1 per cent. for a non-resident and 1½ per cent. for a resident post. Teachers who are not Members of one of these Associations are charged a Registration Fee of 2s. 6d., and the Commission on the first year's salary is 3 per cent. for a non-resident, and 3½ per cent. for a resident post.

Registrar: MISS ALICE M. FOUNTAIN.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone:
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Yorks.—Flourishing Girls' Boarding and Day School. Gross receipts past year £2,940 9s. Net profits about £450. 40 Boarders, 42 Day Pupils. Rent of very fine house, standing in its own grounds, £150. Number of pupils greatly increasing. Present year promises to be very successful. Price for goodwill about £1,000 or close offer.—No. 6,048.

Hants.—Partnership in Boarding and Day School. 120 Pupils, 16 of whom are Boarders. Gross receipts about £1,500. Very nice premises. Terms of Partnership to be arranged.—No. 6,050.

Northants.—Successful Boarding and Day School. 154 Pupils, 47 of whom are Boarders. Prospectus terms about £50 for Boarders, and 2 to 4 guineas for Day Pupils. Any reasonable sum will be accepted for Goodwill, as the vendor must give up owing to death in family and other domestic reasons.—No. 6,052.

Surrey.—Girls' Boarding and Day School with Kindergarten Dept. Gross receipts past year about £565. Rent of good house only £45. Price for goodwill about £500.—No. 6,056.

Yorks.—Preparatory School for Boys. Established 35 years. Gross receipts past year £657. Net profit past year £200. Number of pupils 44, paying 3 to 5 guineas per term, without extras. Rent of good house with garden and play ground, only £60. Majority of boys are prepared for Public Schools. Price for goodwill £400.—No. 6,053.

Hants (Seaside).—Partnership in flourishing Boarding and Day School for Girls. Vendor wishes to retire after 20 years, having acquired a competency. Gross receipts past year £3,725 15s. Net profit about £600. There is a waiting list for Boarders for next term. Price for half share of Goodwill £500. Furniture at valuation.—No. 6,044.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past year £369. 15 boarders, 35 day pupils. Rent of fine large detached house, built for a school, and standing in its own grounds, £80. The low sum of £300 will be accepted for Goodwill. Furniture at valuation.—No. 6,041.

Somerset.—For disposal, owing to vendor having lost her eyesight, good class Day School for Girls. Conducted by present Principal 30 years. Gross receipts past year £900. Number of pupils, 30. Rent of large, well-situated house, with accommodation for boarders, £110. Price for goodwill, school, and household furniture 500 guineas, or near offer.—No. 6,040.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 6,024.

Lancs. (Seaside).—High-class Boarding and Day School. Established 30 years. 17 boarders, 34 day pupils. Net income about £526. Goodwill to be arranged. School furniture about £300.—No. 6,016.

Kent.—Partnership in Girls' and Boys' Day School. Established and conducted by vendor 12 years. Gross receipts past year £550. Vendor desires a lady, if possible, who could take the Junior Music and Drill. Price for half share to be arranged.—No. 6,014.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 478.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

WANTED, in Girls' School (large), Two MISTRESSES to take Art, Junior English, Botany, Senior English, French, Junior Mathematics. Drill and Games desirable. Clifton, Office of Paper. Salaries from £40. Address—No. 10,829.*

HIGH-CLASS BOARDING SCHOOL FOR GIRLS, half-hour from Paddington, requires for September the following Resident MISTRESSES:—Mathematics or Science, Upper Forms; Latin and English, Upper Forms; Lower Form Mistress. All must be highly qualified. Salaries £90 to £100, rising £10 to £200. R.C. preferred. Also FRENCH MISTRESS, with knowledge of Phonetics, resident or visiting; DRILL AND GAMES VISITING MISTRESS, three afternoons a week. Address—No. 10,830.*

WANTED, for the Autumn Term, a fully qualified Resident MISTRESS for Mathematics and Science (Degree preferred) for a high-class Girls' School. Apply—Miss WALTON, 6 Montpellier Terrace, Brighton.

WANTED, in September, in Girls' School, resident MISTRESSES, to teach Latin and take charge of a Junior Form. Apply—The PRINCIPAL, The Lodge School, The Park, Hull.

KENDAL HIGH SCHOOL FOR GIRLS.—SENIOR FRENCH MISTRESS, to take charge of French Advanced Courses, wanted. Salary £250. Apply to the HEAD MISTRESS.

Posts Vacant—continued.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

SETTLE AND DISTRICT.

APPOINTMENT OF INSTRUCTRESS IN PHYSICAL EXERCISES.

Applications are invited for the post of PHYSICAL INSTRUCTRESS, to commence duties in September next. Candidates should have taken a course of training qualifying them to teach the Ling System of Swedish Gymnastics.

The Teacher appointed will be responsible for the instruction in Physical Exercises at the Settle Girls' High School, and when not engaged in this work will visit Elementary Schools for the purpose of giving and supervising instruction in the same subject. She will be required to devote her whole day time to the duties of the post.

Initial salary from £150 per annum, rising to £250 by annual increments of £10. In fixing the initial salary each complete year of previous teaching experience may be counted up to 10 years.

Applications must be made on forms obtainable from the Education Department, County Hall, Wakefield, and must be returned, with copies of three recent testimonials, not later than Monday, July 21st, 1919.

Canvassing will be a disqualification.

SENIOR ENGLISH MISTRESS

Required September, Girls' Boarding School, Yorkshire, for Arithmetic, History, Geography; also SENIOR MUSIC MISTRESS. Pianoforte, Class Singing (Tonic Sol-fa preferred). Address—No. 10,831.*

CERTIFICATED MISTRESS re-

quired in September for Private Boarding and Day School, to teach general English Subjects and French up to Senior Oxford standard, Mathematics to Junior. Lady wishing Partnership might be entertained. Address—No. 10,842.*

GAMES MISTRESS wanted in

small high-class Girls' School in country £100 resident. Address—No. 10,854.*

Posts Vacant—continued.

WANTED, September, resident JUNIOR MISTRESS, able to teach Botany and Drawing. Apply, stating qualifications—Broadgate School for Girls, Western Terrace, The Park, Nottingham.

WANTED, in September, in good Boarding School for Girls in West of England, two ASSISTANT MISTRESSES to teach between them Mathematics, History, Geography, Latin, and a little Junior English. Must be Churchwomen. Address—No. 10,844.*

SENIOR ENGLISH MISTRESS

Required in September or January, for Girls' Private School in Surrey. English, Mathematics, Latin, with History and Geography. Degree essential. Salary to £100 resident. Address—No. 10,852.*

ENGLISH MISTRESS wanted in

small high-class Girls' Boarding School. Country, near London. History, Latin, Literature. £100 to £200 resident. Address—No. 10,853.*

NORTHAMPTON HIGH

SCHOOL.—Required, in September, Non-Resident MISTRESS (English, Latin, French) and SCIENCE MISTRESS (Botany, Geography). Salary according to qualifications and experience. Apply—Miss WALLACE, Head Mistress.

WARMINSTER COUNTY SEC-

ONDARY SCHOOL.—Wanted, to commence duties in September, MASTER or MISTRESS, to teach one of the following groups of subjects:—

- (1) Natural Science and Drawing.
- (2) Geography and Physical Drill.
- (3) Mathematics and Botany.

Salary according to scale, with allowance for previous recognized experience £160 to £200 (for Graduates), £140 to £180 (non-Graduates).

Applications should be sent to the HEAD MASTER (Mr. E. E. DENT) not later than July 12th.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Messrs. GRIFFITHS, POWELL & SMITH,

Telegraphic Address:
"SCHOLASQUE, LONDON."Educational and School Transfer Agents,
(Established 1833),Telephone:
GERRARD 7021.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at 34 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

**TO ASSISTANT MISTRESSES.
SEPTEMBER VACANCIES.**

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

**ENGLISH, GENERAL FORM AND
OTHER VACANCIES.****Senior Mistress** to take good general subjects with Mathematics. Commencing salary £175 non-resident.—No. 1,763.**English Mistress** with Hons. Degree if possible for Girls' High School. Salary £150 non-resident. (Yorks.)—No. 1,776.**Two Assistant Mistresses** for general Form subjects. Willing to assist in Games. Commencing salaries £150 to £170 non-resident. (Surrey.)—No. 1,769.**Mistress** for Geography and Needlework chiefly. English, Mathematics, Latin or Religious Instruction desirable. Commencing salary £140 non-resident. (Devon.)—No. 1,768.**Assistant Mistress** for English and French. Botany a recommendation. Graduate looked for. Commencing salary £160 non-resident. (Wales.)—No. 1,747.**China.**—Good all-round **Form Mistress** for English, Physiology and Hygiene to Senior Cambridge standard. Churchwoman essential. Well-known college. Salary £100 resident and second-class passage.—No. 1,802.**Assistant Mistress** for Latin and Mathematics. Graduate preferred. Salary £100 resident. (Lancs.)—No. 1,795.**Assistant Mistress** for English, French, Latin, and History to the Higher Forms. Mixed School. Salary £130 non-resident. (Wales.)—No. 1,790.**Assistant Mistress** for English to Matriculation standard. History, or Geography and Arithmetic. Experienced. Salary £100 resident. (Near London.)—No. 1,785.**Form Mistress** for general subjects, including Junior Latin, Mathematics, Botany, and French. Salary about £80 resident. (Staffs.)—No. 1,778.**Middle Form Mistress** for general subjects and able to assist with Games. Churchwoman. Salary £70 res. (Lancs.)—No. 1,761.**Assistant Mistress** for English, Literature, and usual subjects. Salary £70 resident. (Norfolk.)—No. 1,759.**Assistant Mistress** able to prepare pupils for Senior Cambridge and Higher Locals. Experienced. Salary £80 resident. (Somerset.)—No. 1,744.**Mistress** for English, French, and Drill. Music, Botany, or Needlework a recommendation. Salary about £75 resident. (Staffs.)—No. 1,741.**Assistant Mistress** for Geography, Mathematics, and Languages to Senior Oxford standard. Small classes. Light work. Salary £80 to £90 resident. (Scotland.)—No. 1,735.**Canada.**—**Mistress** for Middle School. English and good French to Matriculation standard. Salary £140 to £150 resident.—No. 1,730.**Form Mistress** for Mathematics, Geography, and some Latin or Science. Salary £70 resident. (Lancs.)—No. 1,732.**Assistant Mistress** for English, French, and Nature Study. Algebra, Geography, French, &c., desirable. Salary about £80 res.—No. 1,723.**A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses. 150 posts for Junior Mistresses asking salaries of from £30 to £50 resident.****50 STUDENT-GOVERNESSES** also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of Suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Mistresses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 480 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

Assistant Mistress for English and History. Religious Knowledge. Churchwoman. Salary £80 resident.—No. 1,716.**English Mistress** for English, Literature, History, and Latin. Salary £100 to £120 resident. (Hunts.)—No. 1,713.**Senior Assistant Mistress** for general subjects, Latin, and Mathematics. No supervision duty. Salary £80 resident.—No. 1,708.**SCIENCE AND MATHEMATICAL
VACANCIES.****Assistant Mistress** for Chemistry and good Mathematics. Important School. Commencing salary £180 non-resident.—No. 1,675.**Mistress** for Botany and general elementary Science. Commencing salary £180.—No. 1,673.**Science Mistress** for Convent School. B.Sc. preferred. Good salary resident.—No. 1,810.**Mistress** for Chemistry, Physics, and Nature Study. Good commencing salary non-resident.—No. 1,791.**Assistant Mistress** for Botany and Geography on modern lines. Inter. B.Sc. or Graduate desired. Sal. £100 res. (Yorks.)—No. 1,705.**Assistant Mistress** for Mathematics and Science. Good salary resident. (Yorks.)—No. 1,668.**Mistress** for Science and Mathematics. Graduate preferred. Commencing salary £160 to £180 non-res. (Warwickshire.)—No. 1,660.**S. Africa.**—**Assistant Mistress** to take Botany to Matriculation standard. Drawing desirable. High School. Salary £100 resident. Passage paid.—No. 1,658.**MODERN LANGUAGE
VACANCIES.****Canada.**—**Mistress** to take French to Matric. standard, and some Middle-school English. Salary about £150 resident.—No. 1,730.**Assistant Mistress** for French and German. Pupils of all ages. Protestant. Salary £90 resident. (Ireland.)—No. 1,703.**Assistant Mistress** to take French throughout the School up to entrance to Public School. Churchwoman. Boys' Preparatory School. Salary £150 non-res., or equivalent resident.—No. 1,700.**Mistress** for French and to assist with other subjects. Must have resided abroad. Salary £100 resident. (Wales.)—No. 1,695.**Assistant Mistress** for French and German. Important School. Salary £150 to commence. (Staffs.)—No. 1,675.**MUSIC VACANCIES.****Mistress** to take Piano and Harmony throughout the School. L.R.A.M. preferred. Good salary resident. (Wales.)—No. 1,794.**Mistress** for Piano and Elementary Solo Singing. Must have good qualifications. Salary about £80 resident. (Derbyshire.)—No. 1,750.**Mistress** for Piano and Violin if possible. Large and important Boarding and Day School. Salary £75 resident. (Lancs.)—No. 1,739.**Senior Music Mistress.** Must be good Violinist and be able to manage small School Orchestra. Junior Piano. Four Music Mistresses are kept. Salary £70 resident. (Devon.)—No. 1,811.**KINDERGARTEN AND LOWER
FORM VACANCIES.****Canada.**—**Kindergarten Mistress** with Froebel Certificate. Salary £100 resident and Second Class passage.—No. 1,803.**Lower Form Mistress** for elementary subjects, Games, and Drill. Churchwoman. Day School. Salary £70 resident. (Lancs.)—No. 1,761.**Kindergarten Mistress** for Kindergarten of about 60 pupils. Several students assist. Fair salary non-resident. (Essex—near London.)—No. 1,736.**Kindergarten Mistress** able to take Forms up to Form III. Salary £60 resident. (Lancs.)—No. 1,734.

Several Junior Kindergarten Mistresses required. Salaries about £50 res.

**GYMNASTIC AND PHYSICAL
CULTURE VACANCIES.****Mistress** for Massage, Anatomy, and Remedial Exercises. 15 hours per week. Salary £86 per annum. Also **Mistress** for Swedish Educational Gymnastics, Swedish Theory, Physiology, and Hygiene. 13 hours per week. Salary £70 non-resident. (London.)—No. 1,764.**Mistress** for Gymnastics and Dancing. Good salary resident.—No. 1,755.**Gymnastics and Games Mistress** for first-class School on South-east Coast. Good salary resident.—No. 1,748.**Canada.**—**Drill and Games Mistress** able to assist with teaching in one of the lower forms. Salary £120 resident. Passage paid.—No. 1,731.**Physical Culture Mistress** for first-class School in Surrey. Salary £70 res.—No. 1,688.**DOMESTIC SCIENCE
VACANCIES.****Mistress** for Domestic subjects, Cookery, Laundry work, &c. Secondary School. Salary from £90 to £150.—No. 1,784.**Domestic Science Mistress** for high-class School in Derbyshire. Salary £70 resident.—No. 1,749.**Domestic Science Mistress** for Secondary School in Suffolk. Salary £100 to £180.—No. 1,745.**Lady** required to undertake the training of a few students in Domestic Science and do the Cooking with their help and generally supervise domestic matters. Salary £60 res.—No. 1,779.Several **Matrons** and **Matron House-keepers** required for Girls' and Boys' Schools.

Truman & Knightley

SCHOLASTIC AGENTS LTD

ASSISTANT MISTRESSES' DEPARTMENT.

Ladies with University or other qualifications and teachers of special subjects seeking appointments in Public and Private Schools should register with **Messrs. TRUMAN & KNIGHTLEY**, who will be pleased to give their requirements careful and personal attention.

There is no registration fee, and the charges made to those for whom an appointment is secured are very reasonable.

The following are selected from a large number of **Autumn Term Vacancies**, for which **Messrs. TRUMAN & KNIGHTLEY** have been instructed to put forward candidates:—

SEPTEMBER VACANCIES FOR UNIVERSITY WOMEN.

ENGLISH, HISTORY, and GENERAL FORM MISTRESSES.

History Mistress for Church High School in the North. Experience recognized for registration and pension. Non-res. £150 to £160, or possibly more.—A 70377.

Principal for Training College for Women in Egypt under Government. Honours degree or equivalent, with experience of administration and organization. Training College experience a recommendation. Non-res. about £615 to £820 per annum and furnished quarters.—A 72467.

History Mistress for important Girls' High School in London, to take Advanced Course work. Good qualifications and experience essential. Non-resident £220, rising by £20 to £300.—A 74321.

Organizer and Lecturer in charge of the Training of Students for Teaching in Continuation Schools for well-known Training College for Elementary School Mistresses in London. Graduate with experience, and Churchwoman essential. Resident £140 to £210, or non-resident £180 to £250.—A 73805.

History Mistress for first-class Boarding School near London. Good qualifications essential. Res. up to £150.—A 70604.

Senior Form Mistress for Mixed Secondary School on South Coast. Good degree and experience essential. Non-res. up to £220, increasing to £320.—A 69911.

History Mistress for important London Public School, to teach History throughout the school. Honours degree or equivalent, with experience in first-class Public School essential. Non-res. £280 increasing to £330.—A 73201.

Senior English Mistress for Public High School in the Midlands, to take Advanced Course in Modern Studies. Good qualifications and experience essential. Non-res. from £170 increasing to £350.—A 73142.

Senior English Mistress required for large Public Day School in London. Honours degree and some public school experience essential. Non-res. post, good salary.—A 75477.

Mistress of Method for Training College in India, to prepare students for Bombay University Teachers' Diploma. Degree in Mental and Moral Science desired. Churchwoman. Res. £160 and passage.—A 75520.

Head English Mistress for large high-class Boarding School on South Coast, to teach History, Literature, and Scripture. Degree or equivalent and experience essential. Res. about £120.—A 74013.

Assistant Mistress for Public Secondary School in Sussex, to teach English, History, elementary Mathematics, and elementary French, chiefly to the Middle School. Will have charge of a Form. Degree or equivalent, with training or experience. Initial salary £150-£170, rising to £300.—A 74839.

Senior English Mistress for high-class Private School on South Coast, to prepare for College entrance, with chance of House Mistress-ship later. Oxford or London Honour Degree essential. Res. £100 to £150, or non-res. £200.—A 74742.

History Mistress for mixed Secondary School in the Midlands, with subsidiary English. Honours graduate. Non-res. £160-£260, increasing to £350.—A 75478.

Form Mistress for Girls' Public Day School in London, to teach English, Arithmetic, and Games. Degree and experience or training required. Non-res. £180.—A 74924.

MODERN LANGUAGE MISTRESSES.

Modern Language Mistress for Girls' High School in the North to teach French for Advanced Course work. Honours degree and experience essential. Non-res. £220, rising.—C 72172.

French Mistress for Public Boarding School in London. Knowledge of Phonetics. Res. from £100.—C 73057.

French Mistress for Church of England Boarding and Day School in Sussex. Good qualifications essential. Res. £120-£140.—C 73237.

Modern Language Mistress for important Public Boarding School near London, to teach French and Italian. Good qualifications essential. Non-res. from £180.—C 75846.

Modern Language Mistress for Church of England Boarding School in Canada to teach French and German. Res. £90-£100 and passage.—C 75015.

Modern Language Mistress for high-class Private School in British Columbia to teach French to Matriculation standard and English to Middle Forms. Res. £140-£150 and passage.—C 75061.

CLASSICAL MISTRESSES.

Classical Mistress for large Private Boarding and Day School on West Coast. Degree and experience essential. Res. £150, plus capitation fee.—C 73369.

Classical Mistress for Girls' Grammar School in Midlands. Subsidiary work to be arranged. Non-resident according to scale. £150 to £240 for graduate, rising by £10 yearly to £300.—C 74273.

Assistant Mistress for important Public School in Scotland, with honours degree, to teach Latin throughout the school. Non-res. £160 to £220.—C 72958.

Classical Mistress for high-class Private School on the South Coast, with subsidiary English. Res. £90 or more.—C 74472.

Classical Mistress in January for Endowed High School in South Africa. Latin and Classical History, with either French or Botany as subsidiary subject. Res. £110, increasing to £130 and passage.—C 74760.

Classical Mistress for County Secondary School in Kent. Good Honours Degree essential. Non-res. from £160, according to experience, plus allowances.—C 75225.

MATHEMATICAL, SCIENCE, and GEOGRAPHY MISTRESSES.

Mathematical Mistress for Public Secondary School on North-west Coast. Degree or equivalent and experience. Non-res. from £130, according to experience, increasing.—C 75158.

Science Mistress for high-class Church Boarding School on North-east Coast to teach Chemistry, Botany, Nature Study, Arithmetic and Mathematics a recommendation. Science Graduate looked for, with experience if possible. Churchwoman essential. Resident from £100, non-resident from £160.—C 73787.

Mathematical Mistress for Church Public Boarding School for Girls in Midlands to teach to Scholarship standard. Degree essential. Churchwoman preferred. Res. from £90, according to experience and qualifications, rising to £270.—C 69677.

Mathematical Mistress for Public Boarding School in London. Res. £100-£120.—C 73058.

Assistant Mathematical Mistress for Public Secondary School near London; good disciplinary essential. Young lady able to teach good discipline. Non-res. £150-£190, rising to £320.—C 73299.

Science Mistress for first-rate Public School in N.W. of England to teach Chemistry and Botany. Res. £110 to £150, increasing to £200.—C 73316.

Lecturer in Botany for Church of England Training College in West of England. Res. £175-£200.—C 72918.

Lecturer for well-known Physical Training College near London to take Physiology and Hygiene. Graduate preferred. Res. £130 to £150.—C 59110.

Assistant Mistress for high-class Private Boarding and Day School in Midland to teach Geography and subsidiary work which can be arranged. Good qualifications essential, and experience a recommendation. Res. about £100.—A 65384.

Science Mistress for high-class Public School on East Coast to teach Chemistry and Physics. Botany a recommendation. Good qualifications essential. Non-res. post, good salary.—C 74317.

Science Mistress in September or January for County Secondary School near London to teach Physics and Chemistry. Degree, with training or experience. Non-res. £170-£200.—C 74344.

Geography Mistress for Public Church of England Boarding School in Yorkshire to teach Geography and some Mathematics. Res. post, with good salary.—C 74093.

Science Mistress for high-class Private School on North-west Coast to teach Botany and Chemistry. Non-res. from £170.—C 75402.

Third Science Mistress for important Public School in South-west of England, to teach Chemistry, Physics, and Mathematics. Non-res. post with good salary.—C 74950.

Senior Botany Mistress for County Secondary School in Home Counties, with elementary Physics and Chemistry. Honours degree desired. Non-res. from £170.—C 75511.

Mathematical Mistress for Public School in Canada, to take the top Mathematics. Res. £140 to £150 and passage.—C 75161.

Mathematical Mistress for large Public Day School in London, to organize the Mathematical teaching throughout the School. Honours degree. Non-res. post with good salary.—C 74920.

Mathematical Mistress for high-class Public School on East Coast. Good qualifications required. Non-res. Good salary.—C 74318.

CONTINUED ON NEXT PAGE.

TRUMAN & KNIGHTLEY, Ltd., ASSISTANT MISTRESSES' DEPARTMENT (continued).**SEPTEMBER VACANCIES FOR NON-UNIVERSITY WOMEN.**

There is a large demand for well-educated gentlewomen with Higher Local or other good certificates, interested in children and in teaching, for teaching appointments in good Private Schools and as House Mistresses in Public Schools, where the work is not excessive, the conditions pleasant, and the holidays are long. Salaries range from £50 to £120 or more per annum, with board and residence, according to qualifications and experience. There are also many vacancies for Student Teachers, Junior Mistresses, and House Governesses or Duty Mistresses at salaries from £30 to £60 or more per annum, with board and residence.

SEPTEMBER VACANCIES FOR TEACHERS OF SPECIAL SUBJECTS.**KINDERGARTEN MISTRESSES.**

Mistress to take charge of Kindergarten of 50 children attached to a large Public School in London, and train Kindergarten students. Good experience essential. Non-res. post with good salary.—J 73266.

Mistress to take charge of Junior Department attached to important Public School on East Coast. Good qualifications and experience. Res. £200 to £250.—J 75267.

Third Form Mistress for Girls' High School in the South-west of England, to take general subjects with children up to 11½. Higher N.F.U. Certificate for Lower Form work preferred. Non-res. £135 to £150, increasing to £220.—J 74086.

Kindergarten Mistress to take charge of Kindergarten Department of large Public Day School and train students. Experience essential. Non-res. post, good salary.—J 74980.

Kindergarten and Transition Mistress for high-class Boarding and Day School near London. Higher N.F.U., plus experience. Non-res. post, good salary, increasing.—J 74091.

Two Assistant Mistresses, qualified for Kindergarten work, for Public Schools in Egypt. Non-res. £197, with rooms.—J 75109.

Kindergarten Mistress for Church High School in North of England, to take charge of Preparatory Department, with management of Boarding House if desired. Salary a matter of arrangement.—J 74426.

Preparatory Form Mistress for Public School in the Channel Islands for class of children from 5 to 7. Res. up to £80.—J 76386.

Junior English Mistress for first-class Boarding School near London, to take children from 10 to 14 years of age in Elementary English Subjects. Res. £70.—J 75531.

ART MISTRESSES.

Art Mistress for Church of England Boarding School in Canada. Res. £80 to £100 and passage.—B 75035.

Art Mistress for large Public Day School in London, to teach Drawing and Handwork. Non-res. from £150, according to qualifications.—J 74812.

Art Mistress for Public Secondary School in the Midlands, to teach Art throughout the School, with Needlework and Handwork in Lower Forms. Non-res. from £140, according to qualifications and experience.—B 75434.

Art Mistress for high-class Boarding and Day School in Canada, to teach Ablett's Drawing and give a little help with other elementary work. Res. £135 to £145, or non-res. up to £187, with passage.—B 74859.

MUSIC MISTRESSES.

Music Mistress for Public Secondary School. Class and Solo Singing, together with Pianoforte to Junior and Middle School or to Seniors. Non-resident, about £160 to £180.—B 73952.

Singing Mistress for important Public School in the Midlands, to teach Solo and Class Singing, Choir Training, &c., with Pianoforte or Violin as secondary subjects. Res. from £90, increasing according to scale.—B 72190.

Music Mistress for Preparatory School for Boys in Surrey, able to help with elementary form work and French. Res. £70 to £85.—B 75031.

Music Mistress for Public High School in Midlands, to teach Pianoforte, Harmony, and help with secretarial work. L.R.A.M. or equivalent and experience. Non-res. £120 to £150, increasing.—B 74401.

Head Music Mistress for Church of England Boarding School in Canada to teach Pianoforte, Theory and Harmony. Experience essential. Res. £100 to £120 and passage.—B 75033.

Mistress to teach Violin and Piano in Church of England Boarding School in Canada. Res. £80 to £100.—B 75034.

Second Music Mistress for Church of England High School in the North of England, to teach Piano in the Middle School. Experience. Knowledge of modern methods a recommendation. Non-res. about £160 to £180.—B 74262.

First-rate Music Mistress for important high-class Boarding School near London to teach Pianoforte with Theory, Harmony, and to train choir. Res. £100 to £120 or more.—B 74921.

GYMNASTIC AND GAMES MISTRESSES.

Gymnastics and Games Mistress for high-class School in British Columbia, to teach Drilling and Games, and help with Forms I or II. Res. £120 and passage.—B 75096.

Drilling and Games Mistress for Public School in Egypt. Non-res. £197 and rooms.—B 75146.

Gymnastics Mistress for important High School in the Midlands, to teach Swedish Gymnastics, Country and Morris Dancing, and supervise games. Non-res. from £150, according to experience, increasing to £320.—B 75347.

Gymnastics and Games Mistress for Secondary Boarding School in Kent. Dartford or Bedford training preferred. Res. £70-£80.—B 74847.

TECHNICAL MISTRESSES.

Domestic Science Mistress for high-class Finishing School in Surrey, to teach Cookery, Laundry, Housewifery and plain Needlework. Some experience in addition to training. Res. from £70-£80.—B 75078.

Needlework Mistress for Training Department of important High School in London. First-class Diplomas in Needlework and Dressmaking, and good experience essential. Non-res. £160-£170.—B 74754.

Domestic Science Mistress for Public Secondary School in the Midlands, to teach Cookery, Laundry, Housewifery, Needlework, and simple Dressmaking. Non-res. £150-£190, increasing.—B 73920.

Domestic Science Mistress for high-class Public School on the East Coast, to teach Cookery and Housewifery. Non-res. post, with good salary.—B 75387.

SEPTEMBER VACANCIES FOR NATIVE FRENCH TEACHERS.

French Mistress in large Private Boarding and Day School on South Coast. Good teacher, with experience in good English schools. Resident £60.—F 73608.

Senior French Mistress in large Public School for Girls near London. Good qualifications and

good English experience. To take charge of French throughout the School. Protestant preferred. Resident £75.—F 73598.

French Mistress for large Public School in Yorkshire, with good experience. Res. from £80.—F 74422.

French Mistress for high-class private School in Devonshire, to teach French for Senior Oxford Local standard. Italian a recommendation. Res. £70-£80 or more.—F 74767.

MATRONS' AND HOUSE-MISTRESSES' DEPARTMENT.

Messrs. TRUMAN & KNIGHTLEY have many vacancies in Public and Private Schools for Boys and Girls for experienced School Matrons, House Mistresses, and Housekeepers at salaries ranging from £50 to £100 per annum, with board and residence.

ASSISTANT MASTERS' DEPARTMENT.

This department is under the personal direction of Mr. HEARD (of Westminster and Trinity College, Cambridge), who is in personal touch with the Head Masters of many of the leading Public, Secondary, and Preparatory Schools in the British Isles. There are already a large number of good appointments on the books for September.

No Charge for Registration.

Reduced Terms of Commission.

Offices:

158-162, OXFORD STREET, LONDON, W.1.

Telegrams: "Tutores, Phone, London."

Telephone: Museum 1136.

TEXT-BOOKS FOR JUNIOR AND SENIOR FORMS

PUBLISHED AT THE

University Tutorial Press.

MATHEMATICS AND MECHANICS.

Algebra, Junior. By A. G. CRACKNELL, M.A., B.Sc., and

AUGUSTUS BARRACLOUGH, M.A. **3s. 6d.** With Answers. **4s.**
"Maintains the high standard of excellence we are accustomed to expect from so well known a source. The treatment of the graphic portion is particularly good."—*Journal of the Assistant Masters' Association*.

Algebra, School. By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **7s.**

"The author has brought the work into closer touch with intelligible calculations, and, at the same time, gives a clear account of the elements of algebraic theory."—*Schoolmaster*.

Algebra, School (Matriculation Edition). By A. G.

CRACKNELL, M.A., B.Sc. With or without Answers. **5s. 6d.**
"As a school text-book, this volume has much to recommend it, the examples and test-papers being carefully chosen."—*Mathematical Gazette*.

Arithmetic, The Tutorial. By W. P. WORKMAN, M.A., B.Sc., Head Master of Kingswood School, Bath. *Third Edition.* With or without Answers. **5s. 6d.**

"Destined to supersede all other secondary treatises on the subject."—*Westminster Review*.

Arithmetic, The Junior. By R. H. CHOPE, B.A. With or without Answers. *Third Edition.* **3s. 6d.**

"No better Arithmetic for school work has come into our hands."—*Educational News*.

Arithmetic, The School (Senior Local Edition). By

W. P. WORKMAN, M.A., B.Sc. This edition of the *School Arithmetic* covers the Senior Locals Syllabus, and is amplified by a large selection of examples arranged in Graduated Examination Papers. **4s.**

"The book is of a very high order of merit, and provides a thorough course in Arithmetic."—*School World*.

Arithmetic, Rural. By A. G. RUSTON, B.A., B.Sc. **4s. 6d.**

"We believe the book will be found just what is required in schools of agriculture."—*Secondary Education*.

Book-keeping, Practical Lessons in. By T. C. JACKSON,

B.A., LL.B. *Fourth Edition.* **4s. 6d.**
"A well-arranged and well-explained treatise."—*Educational Times*.

Geometry, Junior. By A. G. CRACKNELL, M.A., B.Sc. **3s. 6d.**

"A simple treatment of the elements of geometry. A feature of the book is the number of questions which require a numerical answer, incorrect and careless work being thereby easily checked."—*Schoolmaster*.

Geometry, The School. By W. P. WORKMAN, M.A., B.Sc.,

and A. G. CRACKNELL, M.A., B.Sc. (New and enlarged edition.) **5s.**

"Combines the theoretical and practical in a most interesting manner, and shows on every page the skill and care with which the material has been put together."—*School World*.

School Geometry (Matriculation Edition). By W. P.

WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. **4s. 6d.**
Covers fully the syllabus for London University Matriculation.

Graphs, Matriculation. By C. H. FRENCH, M.A., and

GEORGE OSBORN, M.A. **1s. 6d.**

"The explanations are remarkably clear."—*Secondary Education*.

Hydrostatics, Matriculation. By Dr. WM. BRIGGS and

Professor G. H. BRYAN. *Second Edition.* **2s. 9d.**

"An excellent text-book."—*The Journal of Education*.

Mathematics for Technical Students, A First Course in.

By P. J. HALER, B.Sc., A.M.I.Mech.E., A.I.E.E., and A. H. STUART,

B.Sc., F.R.A.S. **2s.**

"The authors have succeeded in creating a 'workshop atmosphere' around this elementary course."—*Nature*.

Mechanics, Junior. By F. ROSENBERG, M.A., B.Sc. **3s. 6d.**

Mechanics, Matriculation. By Dr. WM. BRIGGS and

Professor G. H. BRYAN. *Third Edition.* **4s. 6d.**

"A practical book for this subject. It will be found exceedingly useful."—*Educational News*.

"Affords beginners a thorough grounding in Dynamics and Statics."—*Knowledge*.

Trigonometry, Junior. By WM. BRIGGS, LL.D., M.A., B.Sc.,

F.R.A.S., and G. H. BRYAN, Sc.D., F.R.S. **3s. 6d.**

"The examples given are numerous in each chapter, the diagrams and the arrangement practical."—*Secondary Education*.

BOTANY, CHEMISTRY, PHYSICS, &c.

Botany, Junior. By FRANCIS CAVERS, D.Sc. **3s. 6d.**

"Dr. Cavers has achieved a useful little book."—*Journal of Botany*.
"Combines observational and experimental work with text-book instruction in a judicious fashion."—*Preparatory Schools Review*.

Botany, Senior. By FRANCIS CAVERS, D.Sc. **5s. 6d.**

"Admirably designed to portray the plant as a living entity, to indicate how structure is subservient to function, and to show what conditions and purpose underlie the manifold variations which plants assume."—*Nature*.

Chemistry, Junior. By R. H. ADIE, M.A., B.Sc. *Second*

Edition. **3s. 6d.**
"A useful and practical course, constructed on thoroughly scientific principles."—*Oxford Magazine*.

Chemistry, Senior. By G. H. BAILEY, D.Sc., Ph.D., and

H. W. BAUSOR, M.A. *Second Edition.* **5s. 6d.**

"The ground is well covered on experimental lines. There are questions to every chapter and a section on chemical calculations."—*Guardian*.

Chemistry, Senior Practical. By H. W. BAUSOR, M.A.

3s. 6d. Including preparations, experiments on action of heat, quantitative and qualitative analysis.

Chemical Calculations. By H. W. BAUSOR, M.A. **2s. 9d.**

ADVANCED COURSE. **1s. 6d.**
"The calculations which are inseparable from Chemistry from its very beginnings are dealt with concisely, yet at sufficient length to make them clear to a young student."—*Knowledge*.

Heat, Junior. By JOHN SATTERLY, D.Sc., M.A. **2s. 9d.**

"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal*.

Heat, Senior. By R. W. STEWART, D.Sc., and JOHN SATTERLY,

D.Sc., M.A. **4s.**
"The information is accurate and up to date."—*The Journal of Education*.

For other announcements of the University Tutorial Press, see pp. 485, 500.

Hygiene, First Stage. By R. A. LYSTER, M.D., B.Ch., B.Sc.

Sixth Edition, Revised and Enlarged. **3s. 6d.**
"A continuous and well-developed course of instruction in Hygiene. The facts are always reliable, the illustrations serviceable."—*Schoolmaster*.

Magnetism and Electricity, Junior. By R. H. JUDE,

D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**

"This little book makes a special point of fundamental principles, and is especially adapted to the needs of pupils making a start in the subject."—*Educational Times*.

Magnetism and Electricity, The School. By R. H. JUDE,

D.Sc., M.A. **4s. 6d.**

"From first to last there is an originality of treatment which makes it interesting reading."—*Nature*.

Mechanics and Physics (Mechanics, Hydrostatics, and

Heat), An Introductory Course of. By W. M. HOOTON, M.A., M.Sc.,

F.I.C., and ALFRED MATHIAS. **2s.**

"An excellent introduction to the fundamental principles of Mechanics, Hydrostatics, and Heat."—*Educational News*.

Science, Junior Experimental (Physics and Chemistry).

By W. M. HOOTON, M.A., M.Sc., F.I.C., Chemistry Master at Repton

School. *Second Edition.* **3s. 6d.**

"The explanations are clear, and we can recommend the work heartily."—*Secondary Education*.

Sound and Light, Senior. By R. W. STEWART, D.Sc., and

JOHN SATTERLY, D.Sc., M.A. **5s.**

"The treatment is lucid and concise, and thoroughly in accordance with the most recent methods of teaching elementary Physics."—*Nature*.

Sound and Light, Junior. By JOHN SATTERLY, D.Sc., M.A.

3s. 6d.
"Reaches a high standard, with plenty of practical work."—*Guardian*.

Complete Educational Catalogue, and Catalogue of Class Books for Secondary Schools, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

London: Printed by C. F. HODGSON & SON, Newton Street, Kingsway, W.C.2; and Published for the Proprietors by MR. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

Supplement to THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 600.

JULY 1, 1919.

OXFORD AND CAMBRIDGE LOCAL EXAMINATIONS, 1920.

S. denotes the Senior Examination, J. the Junior Examination, P. the Preliminary Examination

OXFORD.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.* (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s.* (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

- CHAUCER—THE PROLOGUE TO THE CANTERBURY TALES.** By A. J. WYATT, M.A. With Introduction, Text, Notes, and Glossary. 1s. 6d. (S.)
MACAULAY—HORATIUS, LAKE REGILLUS, THE ARMADA. By A. J. F. COLLINS, M.A. 1s. 6d. (S.)
MILTON—COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d. (J.)
SHAKESPEARE—KING JOHN, MERCHANT OF VENICE, MIDSUMMER NIGHT'S DREAM, TEMPEST, TWELFTH NIGHT. (Junior Shakespeare.) Each 2s. 3d. (S.)
SHAKESPEARE—JULIUS CAESAR. 2s. 3d. (S., J.)
SHAKESPEARE—AS YOU LIKE IT, MERCHANT OF VENICE, THE TEMPEST. Each 1s. 9d. (Junior Shakespeare.) (J.)
SHAKESPEARE—CORIOLANUS. (Tutorial Shakespeare.) 2s. 3d. (J.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK V.** By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.† (S., J.)
CAESAR—GALLIC WAR, BOOK VI. By LL. M. PENN, M.A. (School Latin Classics. 1s. 9d.† (S.)
CICERO—DE AMICITIA. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d. (S.)
VERGIL—AENEID, BOOK X. By A. H. ALLCROFT, M.A., and J. F. STOUT, M.A. 1s. 9d. (S.)
VERGIL—AENEID, BOOK IX. By J. F. RICHARDS, M.A. 1s. 9d. (S.)
EURIPIDES—HECUBA. By T. T. JEFFERY, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)
XENOPHON—ANABASIS, BOOK IV. By W. H. BALGARNIE, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)

* Text, with Introduction, Notes, and Maps. † Text, with Introduction, Notes, and Complete Alphabetical Vocabulary.

CAMBRIDGE.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d. (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s.* (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

- MILTON—COMUS, LYCIDAS.** Each 1s. 6d. (S.)
MILTON—SONNETS. By W. F. MASOM, M.A. Second Edition. 2s. (S.)
SCOTT-LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s. (P.)
SCOTT-LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s. (J.)
SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. 1s. 9d. (J.)
SHAKESPEARE—TEMPEST, HAMLET. Each 2s. 3d. (S.)
TENNYSON—COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. [In the press. (J.)
ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d. (S.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.† (J.)
LIVY—BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
TACITUS—AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
VERGIL—AENEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. 1s. 9d.† (J., S.)
EURIPIDES—MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d. (J., S.)
XENOPHON—ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s. (J.)

SELECTED BOOKS FOR LOWER FORMS.

ARITHMETIC, PRELIMINARY. By AUGUSTUS BARRACLOUGH, M.A., Second Master at Bournemouth School. 2s. With Answers, 2s.
 This book provides a course of Arithmetic suitable for pupils of ten to fourteen years of age.

"The chapters are clearly written, carefully arranged, and accompanied with a plentiful supply of examples and exercises."—*School Guardian*.

ARITHMETIC, THE PRIMARY. Edited by WM. BRIGGS, LL.D., M.A., B.Sc., F.R.A.S. In Three Parts. Parts I and II, 10d. each. Part III, 1s. 3d.

An Introductory Course of Simple Arithmetical Exercises, covering all the subjects usually taught in schools.

"The examples increase in difficulty by almost imperceptible stages, and they are very suitable for young scholars."—*Nature*.

CHEMISTRY, PRELIMINARY. By H. W. BAUSOR, M.A., late Scholar of Clare College, Cambridge. 2s.

A course for beginners dealing with the leading principles of chemical theory. An excellent book; will make a clear understandable foundation for a systematic treatment of chemistry in the higher forms."—*Educational News*.

ENGLISH COURSE, PRELIMINARY. By A. M. WALMSLEY, M.A., late Senior English Master, Middlesbrough Boys' High School. 2s.
 "An excellent first course in English grammar and composition suitable for the lower forms in secondary schools."—*Schoolmaster*.

EXPERIMENTAL SCIENCE, PRELIMINARY COURSE OF. By W. M. HOOTON, M.A., M.Sc. 2s.
 A detailed course of science training for beginners in accordance with modern ideas.

HISTORY OF ENGLAND, PRELIMINARY. By M. K. ELLIOTT, Honours in the Historical Tripos, Cambridge, and M. S. ELLIOTT, B.A. With Illustrations. 2s. 9d.

"In addition to an outline of political events it tries to give some idea of social and constitutional development and also to connect history with geography. It is clearly written and well illustrated."—*School World*.

FRENCH COURSE, PRELIMINARY. By H. J. CHAYTOR, M.A., and H. E. TRUKLOV, B.A. Second Edition. 2s.

"An excellent first year's work, well arranged on systematic lines, with due regard to the advantages of the direct method."—*Athenaeum*.

GEOGRAPHY, PRELIMINARY. By E. G. HODGKINSON, B.A., F.R.G.S., Assistant Master, Crewe County School. 2s.

A book for beginners, containing Elementary Physical Geography, an outline of the Geography of the World, and the Geography of the British Isles in detail. "An admirable textbook, clear, direct, and well-suited to the needs of pupils for whom it is intended."—*Literary World*.

GEOGRAPHY OF ENGLAND AND WALES, A PRELIMINARY. By ERNEST YOUNG, B.Sc., F.R.G.S., Head Master County School, Harrow. 1s. 6d.

This book cannot be used without an atlas, and is generally suitable for the lower forms of schools.

"A capital book, written in simple language, and containing abundant sketch maps of the right kind."—*London Teacher*.

GEOMETRY, PRELIMINARY. By F. ROSENBERG, M.A., B.Sc. With or without Answers. 2s. 9d.

A book for beginners containing a judicious blending of practical and theoretical work. Insists throughout on reasoning from first principles.

"The book is certainly one to be recommended."—*Preparatory Schools Review*.

PLANT AND ANIMAL BIOLOGY, A FIRST COURSE IN. By W. S. FURNEAUX. 2s. 9d.

"For beginners this little book should prove a very attractive introduction to the study of plant and animal life."—*Schoolmaster*.

SPELLING AND PUNCTUATION (WITH PIECES FOR DICTATION). By HARRY SHOOSMITH, M.A. Modern Language Master, Wandsworth Technical Institute Secondary School. Second Edition. 1s.

"Very seldom have we seen any book which deals so thoroughly with the difficult subject of teaching and learning to spell."—*Educational News*.

For other announcements of the University Tutorial Press, see pp. 484, 500.

Complete Educational Catalogue, and Catalogue of Class Books for the Oxford and Cambridge Locals, College of Preceptors' Certificate, and London University Matriculation Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

MILLS & BOON'S NEW BOOKS.

MILLS & BOON will be happy to receive applications for Specimens from Heads of Schools and Teachers of special subjects. New Educational Catalogues sent post free.

ENGLISH GRAMMAR, WITH ANALYSIS AND PARSING.

By H. G. SMITH, B.A., Senior English Master, King Edward's School, Camp Hill, Birmingham; and G. H. BALL, M.A., Head Master, King Edward's School, Camp Hill. 2s. net.

ENGLISH COMPOSITION, INCLUDING PRÉCIS AND PARAPHRASE.

By H. G. SMITH, B.A., and G. H. BALL, M.A. 1s. 6d. net.

These books have been written with a view to providing a course in English Grammar and Composition suitable for use in secondary schools. They aim at explaining the fundamental rules of the language and making clear the difficulties which teachers of Latin and French experience in imparting a knowledge of their subjects to young boys.

The above two books are issued in one volume entitled "English Grammar and Composition," and form a three years' course in English. 3s. net.

POETRY FOR BOYS.

By STANLEY MAXWELL, M.A. 1s. 6d. net.

A collection of poems of established literary merit printed in bold type.

A NEW SCHOOL GEOMETRY.

Containing more than 1,700 carefully graduated exercises. By RUPERT DEAKIN, M.A. Crown 8vo. 2s. 6d. net. Also in two parts without Answers. Part I: The Properties of Lines, Triangles, and Quadrilaterals. 1s. net. Part II: Areas and their Algebraical Illustrations and the Properties of the Circle. 1s. 6d. net.

EXERCISES IN FRENCH FREE COMPOSITION FOR UPPER CLASSES.

By R. R. N. BARON, M.A., French Master, Cheltenham Grammar School. 185 Exercises. Sixth Edition. 1s. 6d. net.

A REFORM FIRST FRENCH BOOK.

Especially written for the use of Adult Students. By J. STUART WALTERS, D.ès L. Illustrated. 1s. net. Teachers' Edition on writing paper. 2s. net.

NOTES ON THE GOSPEL ACCORDING TO ST. MATTHEW.

With Questions and Concordance for the use of Schools and Young Students.

By the Rev. C. R. GILBERT, M.A. With 3 Maps and a Photograph. Crown 8vo. 1s. net.

DIRECT METHOD FRENCH TEXTS

Edited by R. R. N. BARON, M.A.

TRISTAPATTE ET GORET, Etc. Crown 8vo. 1s. net.

"The five simple stories contained in this book have been taken from the 'Livres roses Larousse.' Each is divided into short sections, and to each section there is an 'Exercice,' consisting of a set of French questions on the text, questions on grammar and vocabulary, and a subject for free composition."—*School World*.

PIERRILLE. By JULES CLARETIE. Crown 8vo. Second Edition. 1s. 6d. net.

"Well edited, with brief but adequate notes in French."—*The Journal of Education*.

TAMANGO and JOSÉ MARIA LE BRIGAND. By PROSPER MÉRIMÉE. Crown 8vo. Second Edition. 1s. net.

TAMANGO is also issued separately in limp cloth, at 4d. net. "A dramatic but fascinating story, well printed, with excellent exercises, notes in French, and a short account of the author."—*The A.M.A.*

LA BELLE NIVERNAISE. By ALPHONSE DAUDET. Crown 8vo. Fourth Edition. 1s. 6d. net.

"The editor has done his work well. The exercises are carefully arranged."—*The A.M.A.*

BUG JARGAL. By VICTOR HUGO. Crown 8vo. 2s. net.

"The exercises are particularly good, and include a sufficient amount of word-formation."—*Modern Language Teaching*.

CARTE DE GRAMMAIRE. By Miss L. E. THEEDAM, The Godolphin and Latymer School, Hammersmith. 6d. net.

A concise résumé of French accidence, written in French and intended to be used in connexion with Reform French Textbooks and readers, by pupils of Junior and Middle School forms.

AN INTRODUCTION TO HEAT.

By ARTHUR R. LAWS, B.Sc., and GEORGE W. TODD, B.A., D.Sc., Science Masters at the Royal Grammar School, Newcastle-on-Tyne. With 106 diagrams. 2s. 6d. net.

The main idea underlying it is that boys are gifted with a large amount of curiosity, and that, when they once realize that there is something behind many of the phenomena of everyday life, they are prepared to take a good deal of trouble to satisfy their inquisitive instincts.

OUTLINES OF APPLIED PHYSICS.

By H. STANLEY, B.Sc., Lecturer in the Merchant Venturers' Technical College, Bristol. With 75 diagrams. 2s. 6d. net.

EXPERIMENTAL MECHANICS AND PHYSICS.

By A. H. E. NORRIS, B.Sc. With 150 Diagrams and Answers to the Problems. Fifth Edition. Crown 8vo. 2s. net.

A FIRST SCHOOL BOTANY.

By E. M. GODDARD, B.Sc., Science Mistress, Girls' Secondary School, Colchester. With 207 diagrams. Second Edition. Crown 8vo. 2s. 6d. net.

ELEMENTARY QUANTITATIVE ANALYSIS.

By F. M. OLDHAM, M.A. With 11 Diagrams. Crown 8vo. Second Edition. 1s. 6d. net.

THE MERCHANT OF VENICE.

With revised Text, Questions, Notes, and Appendixes. By G. H. BALL, M.A., and H. G. SMITH, B.A. 1s. net. Text only, 6d. net.

THE TEMPEST.

Edited by FRANK JONES, B.A. 1s. net. Text only, limp cloth, 6d. net.

SHAKESPEARE'S KING HENRY V.

Edited by the Rev. C. R. GILBERT, M.A. 1s. net. Text only, 6d. net.

AS YOU LIKE IT.

Ed. by the Rev. C. R. GILBERT, M.A. With Notes. 1s. net.

A NEW SCHOOL ALGEBRA.

By W. J. WALKER, M.A., Head Master of Woodhouse Grove School, Apperley Bridge, Bradford. In two volumes, with or without Answers, 2s. net each; or in one volume, 4s. net.

"There are plenty of mental or oral questions and test papers. The type is large, and most left-hand pages begin with a new exercise. The examples are of the most part original and are carefully arranged."—*Mathematical Gazette*.

PREPARATORY ARITHMETIC.

By F. C. BOON, B.A., Principal Mathematical Master at Dulwich College. Second Edition. With Answers, 2s. net; without Answers, 1s. 6d. net. Answers separately, 6d. net.

A revised and enlarged edition of this well known book. A large number of new examples have been added, and the few misprints in the first edition corrected.

A FIRST SCHOOL CHEMISTRY.

By F. M. OLDHAM, M.A., Senior Science Master at Dulwich College. With 71 Illustrations. Sixth Edition. 3s. 6d. net.

GRAPHS IN ARITHMETIC, ALGEBRA, AND TRIGONOMETRY.

By W. J. STAINER, B.A., Head Master of the Municipal Secondary School, Brighton. With 120 Diagrams. 2s. 6d. net.

LATIN EXTRACTS FOR SIGHT TRANSLATION.

With Hints to Beginners. By G. H. BALL, M.A., Head Master of King Edward's School, Camp Hill, Birmingham. 1s. net.

THE NEW PRELIMINARY GEOGRAPHY.

By H. B. WETHERILL, M.A., Head Master of Allahabad High School. Seventh Edition. With Illustrations and 19 Diagrams. 2s. net.

MILLS & BOON, LTD., 49 RUPERT STREET, LONDON, W.1.

LONDON UNIVERSITY DEGREES

(Graduates of Approved Universities and holders of certain diplomas can register as matriculated students of London University without passing the Matriculation Examination.)

A Short Guide

TO

London University

Containing Full Particulars of Courses and Fees,
Post free to **Private Students**
from **THE SECRETARY,**

University

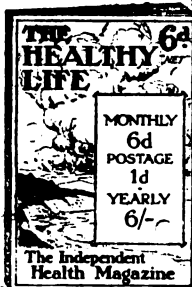
Correspondence College,

No. 14 BURLINGTON HOUSE, OAMBRIDGE.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W. 1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



All Persons Interested In Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C. 1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Pædagogist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE),
13 PATERNOSTER ROW, LONDON, E.C. 4.

REVIEWS AND MINOR NOTICES.

MUSIC AND IMAGINATION.

The task of selecting suitable teaching material presents itself anew to the music teacher at the commencement of each term. Old lists have had to be scrapped, as the German editions, on which a majority of teachers have hitherto relied, are no longer available, and it is interesting to note the style and type of much of the music which is now being written for educational purposes by our native composers.

Coming to the music written for the pianoforte, we find that many of the modern pieces have a title or verse of a poem attached to them, designed to foster an appeal to the imagination. "In connexion with human things," says Sir Hubert Parry, "realistic suggestion falls into its right place in the scheme of art." Music is alive with suggestions of human interest, but in writing to a programme the difficulty is to make the piece interesting, both as music and as a representation of what it purports to describe. Early attempts at pictorial description in music may be traced back as far as Kuhnau (1660-1722), who preceded J. S. Bach at St. Thomas's Church at Leipzig, a composer who tried to think out seriously the problem of the union of musical expression and poetical purpose. His plan—as, for instance, in the Bible Sonatas, where he describes the fight between David and Goliath—was to imitate his subject in music, and make his poetic purpose clear by detailing the story.

John Sebastian Bach made one attempt in the same direction, entitled "Capriccio on the departure of my dearly beloved brother." The first movement, he says, depicts "the cajoleries of friends, trying to induce him to give up the idea of the journey"; the second is "a representation of the various things that may happen to him in foreign lands"; the third movement expresses the laments and tears of his friends as they bid him good-bye; and the last movement is "a most entertaining fugue on a tune supposed to be played by the postillion on his horn, with the crack of the whip through it all."

Couperin, in France, about the same time was writing many fanciful little pieces for the *Clavecin* with such titles as "La Galant" and "L'Enchanteresse."

Claude Daquin (1694-1772) followed the ideas of Couperin in composing little picturesque pieces, based on the outlines of the dance-forms, representing or depicting something, each with its own title. The most famous of these is the "Coucou," in which ingenious and artistic use is made of the song of the cuckoo. During the development of the sonata composers concentrated all their energies in other directions, but with the rise of the romantic school the device again reappears, and from Beethoven onwards realistic suggestion is to be found at one time or another in the works of the majority of composers.

Writing on the subject of programme music in his excellent "Musical Studies," Mr. Ernest Newman says: "The representative power of music is growing day by day. The only æsthetic fact we can be sure of is this: that no piece of representation will be tolerated unless it is at the same time music. . . . In all poetic music there must be as thorough a satisfaction as possible not only of the literary or the pictorial, but of the musical sense. In spite of the warning of some of the critics to young composers against falling into the toils of programme music, and recommending them to continue along the lines laid down by the older masters, musicians have been and are turning out quantities of programme music.

There can be little doubt that, where a title is well chosen and really poetical, it serves to introduce us, as it were, to the mood of the music beforehand, and brings about an attitude of mind favourable to its reception. Mr. Stewart Macpherson, in his essay on "The Musical Education of the Child," gives this advice, which also contains, be it noted, a necessary word of warning. "It is clearly the duty of the teacher to cultivate carefully and wisely the imaginative side of the pupil's nature; on the other hand, there should be no forcing of that pupil's emotional susceptibilities. . . . An endeavour

on the part of the teacher to help the pupil to come into closer relation with the composer's train of thought by the use of poetic imagery, analogies with Nature, and other similar means, seems not only permissible, but wise, and likely to be productive of increased interest and corresponding progress on the pupil's part."

Modern discoveries have simplified for the teacher the problems of the laws of agility, touch, tone, &c., and pupils, when taught on modern enlightened lines, are rapidly steered through their technical difficulties, and are able at quite an early age to "get behind the notes" and realize that music really means something.

To compose elementary music of real attraction and musical worth is no easy task, and a happy title by no means makes up for bad workmanship; but among the publications recently received from Messrs. Joseph Williams & Co., the Anglo-French Music Company, Messrs. Augener & Co., and others, teachers should have no difficulty in finding material not only as good as, but in the majority of cases a great deal better than, much of that hitherto imported from abroad. We have pleasure, therefore, in directing attention to a number of works which fulfil the above conditions and are well worthy the attention of teachers.

"Kensington Gardens," "Cinderella," "Five Little Pictures"—all by Ruby Holland, are the daintiest possible trifles; "A Sunny Garden," twelve little pieces by Christopher John, all show a touch of real genius. No. 3, "The Gardener is a Very Old Man," with its halting syncopations, proves the writer to have a keen sense of humour.

Then we have "Titania's Court," four fairy lyrics by Margaret Portch; "Four Songs without Words," by Norman O'Neill; "Five Cameos," by Tobias Matthay; "Laughing Water," by Stephen Eden; "Four Album Leaves," and "Five Idylls," both by Felix Swinstead, and many other albums of like nature—all from the catalogue of the Anglo-French Music Company.

"Four Little Dances," by E. Markham Lee, are of a higher degree of difficulty; "Glyndebourne Dances," by Charles Harford Lloyd; "Six Miniatures," by Ivy Herbert, and a set of six pieces ("Night Thoughts"), by C. V. Stanford, from Messrs. Joseph Williams & Co. "Ballet Suite," by Cyril Jenkins; two books of "Monologues," by Leonard Butler, are from Messrs. Augener & Co.

EDUCATING BY STORY-TELLING.

Educating by Story-telling. By K. D. CATHER. With an Introduction by C. W. HETHERINGTON. (7s. 6d. Harrap.)

This volume is the first of a new series, intended to break away in some directions from traditional methods of study, and it is well that the series should begin with the examination of a tool which is, if not basal, at least applicable, to many energies of the class-room. The make of the book is as follows. The publishers write a short preface, explaining that Mrs. Cather is well known as a teacher and as a raconteur, who has in many cases collected her own stories, and pleading for more of the pleasurable in the school. There follows a quite valuable paper by the Editor, who is Director of the Play School in the University of California; but it does seem that this paper flies rather higher than the aim of the book itself. One sentence may be quoted: "The fairy tales of the future will be well told stories from our sciences or human life and nature, the two natural centres of interest in the environment, and we may expect as results in public opinion a broader common sense and a lessened gullibility. In this organization of science and modern thought in story form, for its larger use in education, the professional story-teller has still a great unfinished task to perform. Its beginnings are in this book."

These words are not nearly so guileless as they seem. They mean that story-telling as we understand it will have to change its aim and content. And this is the teaching of the volume, though apart from its bibliography, it seems directed to the lower grades only. It is divided into two parts, the first dealing with the story-interests of childhood and with the possibilities of story as a guide to literature, art, nature study, dramatization, history, geography, and ethics; the

second part consisting of a body of stories many of which were collected by the writer herself, and which, as a body of story, bear upon the main contentions of the whole volume. A valuable graded list and a complete bibliography are added.

Now, it has long been held, especially by story-tellers themselves, that he who can tell a story can, if properly equipped with the requisite knowledge, do almost anything in the way of teaching. For a perfect method of story, they say, contains in itself not only narrative, histrionic, forensic, emotional power, but it assumes a wisdom in telling just enough and not too much, which is the essence of the question-inviting cunning of the true teacher. If we are permitted to add that story-telling demands in the class-room that humanity without which many studies seem to flourish, surely we have conceded to the story a great deal. But there are difficulties. All story-method has its enemies; few perfect story-tellers exist, and, so far as our Editor here allows, the ABC of story-telling has to be written. Is it contended that we are to go back to pre-book days and rely largely on the human voice, or is the teacher to be trained primarily as one who can at will put any subject or any division of a subject into perfect music, perfect clarity, and perfect words? Indeed, what does Mrs. Cather or any other writer mean by "story-telling"?

Apparently she means literary power; and for this interpretation the schools are not at all prepared. They are scarcely prepared for the orthodox meaning of story, being crammed (small blame to them) with that mixture of self-consciousness and want of enthusiasm which ruins so many story hours to-day. If, however, we are to extend the meaning of the term, as Mr. Ransome does in his book ("A History of Story Telling"), then we may as well set to work and write manuals on literary training. The unhappy teacher, often without a library, without time, without help, falls back on chance work, elaborates it badly, and is dismally conscious of failure, scarcely being aware that many of the greatest professors of "method" would shrink from showing in *propria persona* how the thing is to be done. Mrs. Cather's book will encourage, its examples will be of infinite use, and its wide outlook will stimulate thought. But, as the author says in her preface, the book does not pretend to have said the last word on the subject. If it provokes many other words, it will have been written to great purpose. At all events, we have here the enthusiastic verdict of one who has succeeded in a difficult application of a difficult art.

Problems of National Education. Edited by JOHN CLARKE. (12s. net. Macmillan.)

The title of this book is apt to mislead, unless the reader notes that it is "by twelve Scottish educationists." No doubt it does deal with national education, but the subject is treated, to use the convenient official phrase, "with special reference to" Scottish education. There is the further limitation that Scottish education is here treated in the light of the Education (Scotland) Act, 1918. The book is accordingly timely, and fully justifies its existence. The editor, whose fitness for his task is proved by the success of his previous work, "Short Studies in Education in Scotland," confines himself to a brief preface, and reserves his energies for the none too easy function of "Warden of the Marches." We may say without hesitation that he has been thoroughly successful in selecting and guiding his contributors. There is a certain amount of overlapping between the first chapter and the eleventh, but, speaking generally, there is remarkably little of this irritating characteristic so common in books of this type. Naturally some of the chapters are much more to the point than others.

Miss Ainslie's treatment of Secondary Education for Girls has little more than a tincture of Scotland, and the same is true of Dr. Strong's Moral and Religious Elements in the School, and, in a less degree, of Dr. Morgan's Social Aspects of Education, and Mr. Malloch's Teaching as a Profession. On the other hand, there is a full-blooded Scottish flavour about Mr. MacGillivray's excellent introductory account of Fifty Years of Scottish Education. Sir Leslie Mackenzie

contributes a remarkably lucid and convincing chapter on Physical Interests, in which the ratio between general and particular is just right. Miss Fish writes, with her usual gentle precision, on the Interests of Girls in Elementary and Continuation Schools. Two striking chapters are those on the Classics in School and University, by Prof. Burnett, and on the Place and Function of Science, by Prof. J. Arthur Thomson. The two professors are curiously complementary to one another, the classics man being unorthodoxly sympathetic to science, and the science man reciprocally generous towards the classics. Prof. Thomson writes on science like a poet, and Prof. Burnett claims that "what we call 'science' may be best described as 'thinking about the world in the Greek way.'" Dr. A. P. Laurie deals with Technical Education in a fashion that is profitable for both English and Scottish readers. Mr. John Clark, of Glasgow, treats of Local Administration with an authority that his long and wide experience warrants. In some ways the best chapter in the book is Prof. Grierson's *The Scottish Universities*. Here we have the English and the Scottish Universities compared by one who has had inside experience of both. His sympathetic insight has produced a presentation of the two national ideals that makes a fitting ending to a book that cannot fail to improve the mutual understanding of the two nations.

ENGLAND HALF A MILLENNIUM AGO.

The Reign of Henry the Fifth. Vol. II: 1415-16.
By J. H. WYLIE. (30s. net. Cambridge University Press.)

Before his lamented death in February 1914 Dr. J. H. Wylie had issued five substantial volumes dealing with the opening period of the fifteenth century. They embodied the results of the researches of nearly thirty laborious years, and they contained much rich historical treasure brought to light for the first time from the dark recesses of the British Museum and the Record Office. They had the defects of their qualities. Dr. Wylie had the accumulative rather than the constructive mind. He got together masses of material so vast that he did not know what to do with them. At first he strove to give some sort of coherent form to them; but ultimately he abandoned the attempt, and he just dumped them down for future historians to grub amongst. They are, indeed, an inexhaustible treasure-house of curious information; but woe to anyone who regards them as a book and tries to read them!

The present volume was in the press at the time when Dr. Wylie died, and he had corrected the proofs of nearly one-fourth of it. The remainder has been revised and edited by two members of his family. It is to be hoped that the same careful editors may be able to prepare and print the material which Dr. Wylie had collected for the completion of the reign of Henry V. For it would be a regrettable pity if the fruits of so much labour should be lost to posterity. The volume now issued, with its five hundred royal-octavo pages and its masses of minute foot-notes, covers little more than twelve months of the history of England half a millennium ago. The twelve months, however, included the siege of Harfleur and the battle of Agincourt, and Dr. Wylie has exhausted all accessible sources in order to gather together every bit of first-hand evidence as to the course of the campaign and the careers of the persons concerned. Some of the most curious and interesting information, however, has remarkably little relevance either to the biography of Henry V or the history of England. Over fifty pages, for instance, are devoted to a life and character sketch of John, Duke of Berry, an aged uncle of Charles VI of France, who happened to die in June 1416. Again, the fact that a certain William Bourchier went with Henry V to France is the sole excuse for the inclusion of a thirty-page description of his manor of Great Waltham, with all its customs and its courts. Any hare, indeed, was capable of drawing Dr. Wylie away from his main narrative. The consequence is that we have here, as in all Dr. Wylie's works, not a book, but material out of which a score of books could be made by a writer of literary skill.

CLASSICS.

The Greek Theater [sic] and its Drama. By ROY C. FLICKINGER. (3 dols. net. University of Chicago Press.)
This is a book which challenges comparison with Haigh's "Tragic Drama of the Greeks" and "Attic Theatre," for in some sense it covers the ground of both of these. Although it lacks the literary appreciation of the former, it is an important work, and Mr. Flickinger would no doubt himself insist that detailed literary appreciation lay beyond the scope of his intent. To put it briefly, we may say that the object of the book is to trace the effect of the physical, technical, and national conditions under which the ancient dramatists worked upon the development both of tragedy and comedy; and in this object Mr. Flickinger has succeeded in a very high degree. All scholars will not, of course, agree with all his conclusions, but he gives us a wealth of detail—at times, perhaps, it is difficult to see the wood for the trees—and his judgment is always his own, never taken without examination from others.

Moreover, he is thoroughly up to date—the "Ichneutae" of Sophocles, for example, and the evidence of vase-paintings form part of his data for estimating the significance of satyr plays in his long introduction, to say nothing of recent Euripidean fragments from the "Oxyrhynchus Papyri," and the modern works of Miss Jane Harrison and Mr. A. B. Cook. It is not easy to pick out what is best from such a book as this, but most classical scholars will find the chapters on "The Influence of the Choral Origin," on "The Influence of Festivals," and on "The Influence of Physical Conditions" the most illuminating, and the latter is certainly the most original part of the work. We cannot refrain from giving at least one example of the independence of Mr. Flickinger's judgment. In treating of the *deus ex machina*, he refuses to repeat the conventional gibe against Euripides on this score, and insists that Euripides did not habitually use the device to get himself out of the difficulties of his plots (page 294).

On the other hand, there are things which we regret—the American spelling above all, not to mention such lapses of good taste as the reference to the chorus of Euripides' "Hippolytus" as "the intimates of a local washerwoman" (page 140), or such lapses of scholarship as the "erroneous" ascription of the "Rhesus" to Euripides at all (page 148). In the chapter on "The Influence of Festivals," we should have liked to see Mr. Flickinger attack the thorny problem of why Euripides was allowed to exhibit annually at the "Dionysia" if he were really such an attacker of the received religion as some modern scholars would make him out to be.

The book is well produced, and contains a wealth of excellent illustrations from archaeological sources.

EDUCATION.

A New School in Belgium. By A. F. DE VASCONCELLOS. With Introduction by A. FERRIÈRE. Translated by E. and C. PAUL. (5s. net. Harrap.)

In introducing this book to our readers, we must premise that the term "New School" is generic, not particular. What, then, is a New School? To define by examples well known to English people, we may point to Abbotsholme and Bedales as prototypes. Another example is the Ecole des Roches, in Normandy, opened in 1899 by M. Demolins, who is at any rate known in this country as the author of "A quoi tient la supériorité des Anglo-Saxons?" But M. Ferrière, who writes the introduction to this book, gives thirty characteristics, of which an institution must possess at least fifteen in order to be recognized by the International Bureau as a New School. Such a school must be in the country; the instruction must be based upon experience and enriched by manual work; there must be self-government by the pupils, to some extent at least; and, as we have said, it must possess not less than half of the thirty characteristics. M. Vasconcellos, Head Master of the New School at Bierges-lez-Wawre, in Belgium, here gives, in the familiar style of the lectures in which his account originated, interesting details of the work of the School. Though not numerous, the New Schools are surely of great importance, because they constitute a standing protest against the tendency of the "public schools" to rely upon tradition, and of the State-aided secondary schools towards a deadening uniformity. We hope that this very suggestive account of a New School will be widely read.

Outdoor School Work. By J. EATON FEASEY. (3s. 6d. net. Pitman.)

Mr. Feasey describes his book in a sub-title as "A Series of Practical Open-air Studies in Elementary Science, Nature Study, Drawing, and Geometry for Elementary and Preparatory Schools." His object is to show teachers how to emancipate themselves from the tyranny of the classroom, and schoolmasters who will follow Mr. Feasey's advice, and take their classes into the open air and introduce their pupils to science in the sensible and interesting

manner here described, will gain the lasting gratitude of the children under their charge. Mr. Feasey has long been known as a pioneer in work of this kind, and we hope the number of his disciples will continue to increase. The adoption of his methods in schools of all grades would do much to humanize the teaching of science.

The Problem of the Continuation Schools. By ERNEST YOUNG. (1s. net. Philip.)

Though as yet we have heard nothing from the Board of Education as to the "appointed day" for the inauguration of day continuation schools, Mr. Young writes as if their establishment throughout the country were imminent. With a profusion of quotations he gives in his forty-two pages some shrewd hints and useful guidance as to what must be done to secure success in continuation school work. We hope with him that the aim of the continuation schools, when we get them, will be "to enforce the sense of duty—duty to self, to home, to neighbour, to town or village, and to country." Mr. Young's booklet deserves a wide circulation.

(1) *Handwriting Reform.* By DAVID THOMAS. Introduction by D. R. HARRIS. (1s. 6d. Nelson.) (2) *Nelson's Print-writing Copybooks.* Books I and II, 3½d. each; Books III-VI, 4d. each. (3) *Embossed Letter Cards.* (Complete Alphabet in Box, 6s. 6d.)

Mr. Thomas's little book clearly expounds the principles of the print- or manuscript-writing which has during the last few years acquired so extraordinary a vogue. To those teachers who have not yet seen this type of penmanship the book is confidently commended. It gives sound advice on the materials and technique of handwriting, and is adequately illustrated by diagrams and examples. Although it serves as a teacher's handbook to the series of print-writing copybooks and embossed letters, it is not dependent on them for its usefulness. It is a valuable little book in itself. The embossed letters are intended to fulfil the same function as the sand-paper letters of the Montessori system, and the copybooks give carefully graduated models in block-lettering. The earlier books are for chalk or crayon, the later for pencil or pen. The whole series makes no claim to completeness: its application is confined to infants and juniors. Those who wish to understand fully the spirit of the new movement should supplement Mr. Thomas's book by one which gives a wider historical background and provides a greater variety of good traditional types.

Some Christian Ideals in the Teaching Profession. By AGNES S. PAUL. (3s. net. London: Student Christian Movement.)

This little book of 108 pages contains five addresses delivered to the students in training at the Clapham High School by its former head mistress. The subjects are: Discipline and Inspiration; The Teacher's Work of Interpretation; A True Sense of Values; A Contrast in National Ideals; Some Religious Perplexities of Childhood. The tone of the book is admirable. The author takes a broad and generous view of the nature of the teacher's calling, and at the same time adopts a reasonable attitude towards the possibilities of actual religious instruction in school. The last chapter is the least successful, for the very satisfactory reason that it deals with a problem that is practically insoluble. The teacher really cannot satisfy the child on the sort of points here raised, but Miss Paul certainly gives as much help as can be reasonably expected even from an exceptionally capable and experienced teacher.

Educational Tests and Measurements. By Dr. W. S. MONROE, assisted by J. C. DEVOSS and Dr. F. J. KELLY. (6s. net. Constable.)

This is an excellent book for Americans; for Englishmen its usefulness is seriously limited. It consists mainly of descriptions of standardized tests by which the efficiency of school instruction may be measured. But the complete tests and scorings are not given. For these the reader has to apply to certain American firms and educational bureaux, which are to Europeans difficult of access. Another objection more serious still is that the tests themselves are rarely applicable in their completeness to English schools. The arithmetic tests, for instance, refer frequently to dollars and cents, but never to sterling money, and the standard specimens of handwriting, by comparison with which samples have to be assessed, differ from English types and are out of line with the recent movement of reform in this country. There is yet another drawback—the norms or standards of attainments are correlated with grades, and not with ages. In fact the standardizing work done in other countries is entirely ignored. Among the hundreds of references to researches and experiments there does not appear to be a single allusion to England. The English reader would therefore be well advised to read an English book such as Dr. Rusk's "Experimental Education" before perusing Dr. Monroe's book. With his perspective thus corrected he will find in Dr. Monroe's book much that is immediately serviceable and more that is suggestive of future research.

Problems of Subnormality. By J. E. WALLACE WALLIN. (15s. net. World Book Co.)

From the interesting historical summary at the beginning to the very complete bibliography at the end this publication gives evidence of a comprehensive knowledge of the subject and of much painstaking work. The author lays stress on the differential diagnosis of the pedagogically retarded, and emphasizes the importance of separating into special classes the feeble-minded and the merely backward. A full description of the constitution and functions of such classes is given. The difficulties in making the diagnosis are pointed out, and the fallacies of depending only on the Binet-Simon tests shown. Mr. Wallin contends that the only person really capable of doing proper diagnostic work in the field under discussion is a technically trained educational psychologist, and deprecates its being left to the psychological amateur. The last chapter, one of the best in the book, deals with the hygiene of eugenic generation and covers a large field in a concise and efficient manner, although some of the recommendations set forth are too advanced for public opinion in this country at present. The book is rendered somewhat cumbersome and difficult to read by the quantity of statistical material provided, and the number of figures brought forward to prove a point sometimes interferes with a clear view of the point itself. An abridged edition containing the principal facts and conclusions would be more likely to reach the larger public it deserves.

ENGLISH.

Tradition and Change. By ARTHUR WAUGH. (7s. 6d. Chapman & Hall.)

Mr. Waugh has here reprinted criticisms of modern prose and verse; to them are added the paper which gives its name to the book and a singularly beautiful dedication. Apparently Mr. Waugh belongs by choice and by faith to a former time, now so far away; yet he is anxious to give change all the benefit it can expect from one who clings to tradition. War poetry and the "Imagists" afford specimens of his hard hitting; "Dickens's Lovers," Galsworthy's "Sheaf," and Joseph Conrad show his deep sympathy. "The Art of Henry James" is not an adequate piece of criticism. But the subjects are so diverse and books on modern writings are so rare that all the essays are welcome. The author's criticisms of the criticisms of Mr. Arthur Symonds, Mr. Dixon Scott, and Mr. Freeman seem to show that good criticism is at its best when it displays a happy knack of saying happy things. Probably this is what many modern critics think of their trade. It will be a pity if such a notion of the duty of criticism should filter from the lecture-rooms of the University into secondary schools. Better have no criticism at all than to teach boys and girls to be smart about Francis Thompson and "The Ancient Mariner."

Selections from Boswell's Life of Johnson. Edited by R. W. CHAPMAN. (3s. 6d. Clarendon Press.)

Johnson has decidedly come into the schools, and this book is a delight. Printed admirably, with a faint old-world look about it, edited with great skill, it brings out fairly and honestly the bear and the Christian gentleman. Boswell can never be read by the young, but he can be edited. Two illustrations only are given. Might we not have had Johnson and Boswell statues from Lichfield? A few editorial notes are added; but, indeed, the editing is so clear that the verbal portrait stands out, the counterpart of Sir Joshua Reynolds's. The editor's preface is written from Macedonia.

The Crown of Wild Olive. By JOHN RUSKIN. (1s. 3d. Macmillan.)

This and the two following books belong to the well known series edited for secondary schools by Mr. J. H. Fowler. Apparently Mr. Fowler has written the preface to Ruskin, and our only complaint is that it is too brief; Mr. Fowler is often too brief. If his suggestions to the student had been supported by illustrations, the preface would have been more likely to attract readers to Ruskin's other work. As it is, "Sesame" and the "Crown" are the only specimens of Ruskinese known to schools. Notes are added, and the whole feeling of the book is attractive.

Silas Marner. By GEORGE ELIOT. Abridged by MAY COPSEY. (1s. 6d. Macmillan.)

The Introduction to this book is still more brief; a few notes and questions are added, but the main work of the editor lies in the actual abridgment. At the present time, when Nuneaton and the district are combining to do honour to George Eliot, a good deal more might have been said to interest the school reader. We make the criticism knowing that teachers cannot be trusted to fill in gaps which the editors leave. All such books as these demand long, exhaustive, and suitable introductions.

Sir Philip Sidney's Defence of Poesy. Edited by D. M. MACARDLE. (1s. 3d. Macmillan.)

Now that schools are expected to read a good deal of the English literature of a bygone day, why is it that we cannot have the original

spelling? The old-world flavour of all Elizabethans, even Shakespeare, is diminished or lost if only the quaintnesses in syntax remain. At least publishers, following Prof. Arber's lead, might make the attempt. The Introduction is clear, and very much to the purpose, and notes and questions are added. The editor makes a strong point in regard to these. Sidney's gracious personality (there exists no good life of him for the young) is scarcely realized, and the shattering news of his death is not brought home to the reader. The uncouth but beautiful lines written in 1586 might have been quoted. If the young are not to be afraid of enthusiasm, what better subject could be put before them than Sidney? The Essay itself is adequately treated. Will teachers follow the advice of the editor?

English Literature during the last Half-century. By Prof. J. W. CUNLIFFE. (10s. 6d. net. New York: The Macmillan Co.)

Dr. Cunliffe has succeeded in providing us with a very readable series of biographies and appreciations of the work of the more important modern English writers. The scope of the book is sufficiently indicated by an enumeration of the authors whose work is considered. We have, in the order in which they occur, Meredith, Hardy, Butler, Stevenson, Gissing, Bernard Shaw, Kipling, Conrad, Wells, Galsworthy, and Bennett. The judgments passed appear to us well balanced and kindly, and though many readers will disagree with some of Dr. Cunliffe's likes and dislikes, they will be bound to be impressed by the fairness with which he states his cases. The book might appropriately find a place in school libraries for the use of senior pupils.

FRENCH.

Le Français des Français de France. Par JEHANNE DE VILLESBRUNNE. (2s. 6d. Oxford University Press.)

It was a happy thought to write a series of scenes that illustrate the conversational ways of the French aristocracy. There is a connecting link in the courtship of "le Vicomte Raoul de Prévelles" and "la Comtesse Liane de Nony." There is also a Marquis and a Marquise and a Baronne; there is no bourgeois taint anywhere. Even the Englishman introduced is Sir John Bull. The dialogue is light and amusing, with a good sprinkling of the argot peculiar to the select. The author thoughtfully supplies explanations (in French) of words and expressions that might distress the simple reader; he is enlightened as to the meaning of *ça boulotte*, *ce patelin-là*, *ronchonner*, *pharmineux*, and other quaint things. As to the use of this book in class we are doubtful; to those who move in Society we heartily recommend it; and we wish some of the dialogues were reproduced on the gramophone.

La Patrie. Echos de l'Histoire de France pour les Commencants. Par JULIA TITTERTON. (2s. Oxford University Press.)

The author has written twenty-one short chapters on noteworthy characters and scenes drawn from French history, such as Vercingetorix, Saint Louis, Jeanne d'Arc, "Le Naufrage de la Blanche Nef," and "Le Siège de Paris de 1870." Miss Titterton handles French effectively and with ease. It is, however, a pity that she has handicapped herself by grammatical limitations. Thus the first chapter not only deals with "La Gaule et les Gaulois," but also with "Pluriel, féminin," and the verbs are all in the present. This exclusive use of the present goes on for some time, and becomes very trying. Surely pupils who are ripe for such a book will have previously learnt the past tenses of at least the common verbs. There are some good illustrations, and a vocabulary which gives the phonetic transcription as well as the English rendering of words. It is not quite complete; thus, it does not contain the following (all on page 49): *vide, extraordinaire, incendie, effroyable, pompe, durer*.

GEOGRAPHY.

"Macmillan's Practical Modern Geographies."—*A Geography of America.* By T. ALFORD SMITH. (4s. 6d. Macmillan.)

The present addition to "Macmillan's Practical Modern Geographies" is by the same author as "The Geography of Europe" in this series. Mr. Alford Smith is well known as a pioneer in the field of Modern Geography. His long experience both as a successful teacher and as an examiner of the subject has enabled him to produce a textbook which may be recommended cordially for use in the higher forms of secondary schools, particularly where geography is taken in connexion with an advanced course. The historical, physical, and humanistic sides of the subject are all treated in a clear and interesting manner. Each chapter begins with practical exercises on map-reading, statistics, and so on, and ends with a set of appropriate questions. The 118 diagrams which illustrate the text include some remarkably good photographs, some of them reproduced from *The Geographical Journal*. It may be suggested that Fig. 77, which shows the time-belts of U.S.A., might have been modified so as to include Southern Canada, where there is an extra belt—the Colonial Belt. Also a

map showing the trans-continental railway routes of U.S.A. would be a welcome addition. The volume ends with a collection of 150 questions set in various recent public examinations, separate indexes of place names and subjects, and a useful appendix on Mathematical Geography.

"Macmillan's Geographical Exercise Books."—*Africa.* With Questions by B. C. WALLIS. (1s. 6d.)

Africa is the latest addition to this well known series of Exercise Books. The maps are clearly printed, and the questions cover a wide range.

"The New Regional Geographies."—*The British Isles.* By L. BROOKS. (2s. 6d. University of London Press.)

It is intended that this little volume shall be incorporated eventually in Book III ("Europe and Africa") of this series. The book is suitable for the use of pupils preparing for an external examination of matriculation standard, and it should certainly help to stimulate and train their reasoning faculties. Mr. Brooks expects that the pupils will have received earlier descriptive lessons on the British Isles, and he accordingly deals with the outstanding geographical facts and the reasons for them. The economic side receives special attention, the chapter on Britain's foreign trade being particularly thoughtful. The thirty diagrams include useful sketch-maps, but the rainfall map (Fig. 5) is scarcely up to date as regards S.E. England, and a key to the railways in Figs. 11, 14, and 23 is desirable. Each chapter ends with a few exercises, and there is a short index. Two errors in local geography may be mentioned. The clay from Kingsteignton which is exported to the Potteries from Teignmouth is not china clay, but potters' clay. Nantwich has brine baths, but its salt industry long ago gave place to a leather industry.

Practical Geography. By R. J. FINCH. (3s. 6d. net. Evans.)

This book contains explanations and exercises on maps and map-making; it also provides statistical tables for graphic representation. Mr. Finch is undoubtedly right when he insists that practical geography is essentially "work in the field"; hence the chapters on Outdoor Geography, a Visit to a Quarry, and a River Study are exceedingly instructive.

The Use of the Terrestrial Globe. (2s. Philip.)

This book describes the history of the globe as a representation of the earth; it also deals with the construction and uses of the globe, and certain map projections are explained. Every teacher of geography should possess a copy of this useful book.

Great Cities of the World. Each City published separately, 3d.; set of five bound in cloth, 1s. 3d. (McDougall.)

Ten of these little books have been issued already. They are more suitable for use as reading-books than as geographical textbooks. The important features of each city are described in an interesting way, and the illustrations are particularly good.

HISTORY.

The Century of Hope. A Sketch of Western Progress from 1815 to the Great War. By F. S. MARVIN. (6s. net. Clarendon Press.)

This laborious and closely packed volume gives a picture of the nineteenth century—before and after—as it presents itself to an optimist. It is an essay in the religion of humanity rather than a history; but, all the same, it is packed full of selected information, and it is suffused with a spirit deliberately and resolutely cheerful. An ingenious attempt has been made by the author to combine the treatment of an immense variety of subjects—political, social, ethical, literary, scientific—with the maintenance of some sort of historical sequence and continuity. The century is divided into decades, and an effort is made to show that in each of them a different principle is prominent—e.g. evolution, 1850–60; nationality, 1860–70; education, 1870–80. Then, round this imaginary dominant, masses of detail of all ages are accumulated. The stream of narrative is choked and lost beneath the avalanche, and no sense of movement is allowed to continue to the end. It is a pity that the book is thus overloaded, for it was a good idea to try to represent in one view the many sided and generally hopeful activities of a century of marvellous development and unparalleled achievement. Even as it is, teachers of modern history will find in the book much stimulus and suggestion.

A History of British Socialism. Vol. I. By M. BEER. (12s. 6d. net. Bell.)

The author of this work is an Austrian Socialist, who in 1912 published in his own language "Die Geschichte des Modernen Sozialismus in England." He then proceeded to produce an enlarged version of the work in the English tongue—with which a twenty years' residence in this country had made him familiar—accompanied by a selection from the earlier and less accessible Socialist literature of England. This task was interrupted by the war, the outbreak of which he frankly attributes to "the Austrian

madness." He now resumes it, and presents us with the first of two volumes of history. The volume before us is divided into two parts. The first treats of Medieval Communism; but under that restricted title it deals with all doctrines that can in any sense be termed Socialistic from the days of Paul to those of Paley. The second traces the rise of Modern Socialism from 1760 to 1834. The book is one of considerable scholarship and research; it is well documented; its tone is generally calm and judicial. It is distinctly valuable as a source of information concerning the origin and development of ideas that have an immense influence among masses of people at the present day.

The State and the Nation. By EDWARD JENKS.
(4s. net. Dent.)

Nearly twenty years ago Mr. Edward Jenks, then Reader in Law to the University of Oxford, published in the "Temple Primer Series" an extremely suggestive "History of Politics." It has long been out of print. Some of its opinions have been controverted by recent research; much new information concerning primitive society has come to light; hence Mr. Jenks, instead of preparing a new edition of the Primer for the Press, has rewritten the whole thing, although generally along the old lines. In Part I he describes the institutions of uncivilized peoples; in Part II he depicts those of patriarchal communities; in Part III he sets forth in detail the rise and development of political society. In a concluding chapter he examines various current "proposals for change," including the League of Nations, Proportional Representation (which he emphatically condemns), Syndicalism, and Guild Socialism. No student of politics can afford to neglect this scholarly volume.

SCIENCE.

The Theory of Electricity. By G. H. LIVENS.
(30s. net. Cambridge University Press.)

At the present time the theory of electricity embraces on one hand a firmly established body of doctrine whose predictions are exactly in accordance with experimental results, and on the other a group of tentative hypotheses whose imperfections are evidenced by the lack of full agreement between deduction and observation. We may say roughly that, while we know very accurately how electricity in bulk behaves, we are still very much in the dark about the laws it obeys when in small discrete elements. The aim of the present work is to present a comprehensive view of

all parts of the theory—those which are firmly established as well as those which are more speculative; and needless to say the most interesting chapters are those which deal with the latter. After a preliminary chapter on vector analysis and the group of theorems related to Green's, the thirteen which follow develop the theory on the familiar lines of Faraday and Maxwell, with an occasional glance at the explanations afforded by electrons of the electrical properties of matter. The two final chapters are those where we find ourselves on doubtful ground. These deal with General Electrodynamics and the Electrodynamics of Moving Media respectively, and, while not excluding references to other writers, the author has here followed in the main the theories of Larmor. These possess, at any rate, the merits of consistency and generality. The author, as a rule, considers general principles rather than the minute details of special problems, but a collection of 359 examples offers the student exercises of all degrees of difficulty.

The Origin and Evolution of Life. By HENRY FAIRFIELD OSBORN. (25s. net. Bell.)

In defining the difference between living and not-living matter the author of this book does not invoke any mysterious "vital force." On the contrary, he considers that in physical and chemical energies, as the term is ordinarily understood, may be found all that is necessary for vital activity. In his view the peculiar property of living matter is the power of capturing the kinetic energy of heat, light, electricity, &c., from outside, and of storing it as potential energy (food) for utilization at need, according to the environment. Such utilization is controlled, and the output of energy co-ordinated, by the agency of enzymes, hormones, &c. Conversely, the environment affects the chemical composition of the organism in general, and this in turn influences the germ plasm, which determines the character of the next generation. Thus condensed, the thesis will sound vague; but Prof. Osborn adduces evidence which makes his speculations highly interesting and suggestive. The second part of the book is a sketch of the evolution of animals as revealed mainly by palaeontology, on which the author's great authority is unquestioned. In this part attention is directed to such fascinating problems as the reasons why certain classes of reptiles, mammals, and other animals became extinct; why—under apparently similar environments—the evolution of certain groups of animals lagged behind that of allied groups, and

(Continued on page 496.)

TRAIN THE EYE TO SPELL

Few will deny that... just as we remember an old friend better by his outward lineament than by the "sound of his voice," so it is with words. Therefore we must

Train the Eye to Spell.

GIBSON'S MODERN METHOD SPELLING BOOKS

All in Writing

TRAIN THE EYE TO SPELL

Parts I to V - price **4d.** each } From
Part VI - - price **5d.** } Senior Infants
upwards.

Also in ordinary type.

Book 7.—**A Dictionary** of 7,000 Words and Meanings, with several pages of spelling rules, price **4d.**

Book 8.—**A Pocket Spelling Guide**, containing 15,000 Words commonly mis-spelt, and an Appendix of Classical and Foreign Phrases, price **4d.**

ROBERT GIBSON & SONS (GLASGOW), Ltd.,
45 QUEEN STREET, GLASGOW.

THE MOST RECENT BOOKS

ON

MATHEMATICS

By A. THOM, M.A.

BOOK I. Present Day Geometry I - - 1/6
Present Day Algebra I - - 1/6
A First Year of Mathematics- 3/6
(Geometry and Algebra.)

BOOK II. Present Day Geometry II - - 1/6
Present Day Algebra II - - 1/6
A Second Year of Mathematics 3/6
(Geometry and Algebra.)

BOOK III. Present Day Geometry III - 1/6
Present Day Algebra III - - 1/6
A Third Year of Mathematics 3/6
(Geometry and Algebra.)

COMPLETE BOOKS—

Complete Elementary Geometry - - 4/6
Complete Elementary Algebra - - 4/6

ROBERT GIBSON & SONS (GLASGOW), Ltd.,
45 QUEEN STREET, GLASGOW.

A SELECTION FROM METHUEN'S EDUCATIONAL LIST

Announcement List and Catalogues sent on application

THE PLAY-WORK BOOK. By ANN MACBETH, author of "Needlecraft." With 114 Illustrations. 2nd Edition. Crown 8vo. 3s. 6d. net.

THE MODERN OFFICE. By J. STEPHENSON, M.A., M.Com. (Vict.), B.Sc. (Lond.), Head of the Higher Commercial Department, Business Training School, Polytechnic, W. Crown 8vo. 3s. 6d.

SCHOOL EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Crown 8vo. 3s. and 3s. 6d. per volume; Keys, 3s. 6d., 5s., 6s., and 7s. 6d., all net. French, Latin, Greek, German, General Knowledge, Trigonometry, Arithmetic, Logarithms, Mensuration and Book-keeping Examination Papers with Keys. History and Geography. Physics. English History.

THE BEGINNER'S BOOKS. Edited by Canon WILLIAMSON, B.A. Fcap. 8vo. Prices 1s. 6d., 1s. 9d., and 2s. 3d. per volume. Easy French Rhymes. Easy Stories from English History. Stories from Roman History. Stories from the Old Testament. Stories from the New Testament. First Course in English. First History of Greece. Easy Exercises in Arithmetic. Easy Dictation and Spelling. Easy Poetry Book.

JUNIOR EXAMINATION SERIES. Edited by A. M. M. STEDMAN, M.A. Fcap. 8vo. 1s. 6d. each volume. Keys, 5s. net each. Scripture (Old and New Testament). French. English. Arithmetic. Algebra. Greek. Latin and Key. General Information and Key. Geography. German. History.

JUNIOR SCHOOL BOOKS. Edited by O. D. INSKIP, LL.D., and Canon WILLIAMSON, B.A. Crown 8vo. Prices 2s. 3d., 3s., 3s. 6d., and 4s. per volume. Dictation Passages. Kings. St. Matthew. St. Mark. St. Luke. Apostles. English Grammar. Greek History. Latin Prose. German Grammar. Science. Physics. Chemistry. French Grammar. French Prose. Geometry. Latin Grammar. English Literature.

BY EDMUND SELOUS

TOMMY SMITH'S ANIMALS. 15th Edition.

TOMMY SMITH'S OTHER ANIMALS. 7th Edition.

TOMMY SMITH AT THE ZOO. 2nd Edition.

TOMMY SMITH AGAIN AT THE ZOO. 2s. 9d. each. Each Fcap. 8vo.

LANGUAGE AND LITERATURE

HIGHER ENGLISH. By F. J. RAHTZ, M.A., B.Sc. Author of "Junior English." 12th Edition. Crown 8vo. 6s.

A CLASS-BOOK OF DICTATION PASSAGES. Selected by Canon WILLIAMSON, B.A. 21st Edition. Crown 8vo. 2s. 3d. [*Junior School Books.*]

ENGLISH LITERATURE. By F. J. RAHTZ, M.A., B.Sc., 3rd Edition. Crown 8vo. 3s. 6d.

FIRST FRENCH LESSONS. By A. M. M. STEDMAN, M.A. 13th Edition. Crown 8vo. 1s. 6d.

A SCHOOL LATIN GRAMMAR. By H. G. FORD, M.A. 4th Edition. Revised. Crown 8vo. 4s. [*Junior School Books.*]

INITIA LATINA. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 16th Edition. Fcap. 8vo. 1s. 6d.

HISTORY

A HISTORY OF ENGLAND. In Seven Volumes. Edited by CHARLES OMAN, M.A. With Maps. Demy 8vo. 12s. 6d. net each volume. England before the Norman Conquest: under the Normans and Angevins: in the Later Middle Ages: under the Tudors: under the Stuarts: under the Hanoverians; since Waterloo.

A SHORT HISTORY OF ROME TO THE DEATH OF AUGUSTUS. By J. WELLS, M.A. With 3 Maps and 4 Plates. 16th Edition. Crown 8vo. 6s.

A JUNIOR HISTORY OF GREAT BRITAIN. By E. M. WILMOT-BUXTON, F.R.Hist.S. 4th Edition. Crown 8vo. 3s. 6d.

THE INDUSTRIAL HISTORY OF ENGLAND. By H. DE B. GIBBINS, Litt.D., M.A. With Maps and Plans. 23rd Edition. Crown 8vo. 5s.

THE RE-MAKING OF MODERN EUROPE, 1789-1897. By J. A. R. MARRIOTT, M.A. With 10 Maps. 10th Edition. Crown 8vo. 6s.

MAKERS OF EUROPE. Outlines of European History for Middle Forms. By E. M. WILMOT-BUXTON, F.R.Hist.S. With 12 Maps. 16th Edition. Crown 8vo. 5s.

A SHORT HISTORY OF ROME TO THE DEATH OF AUGUSTUS. By J. WELLS, M.A., Warden of Wadham College, Oxford. With 3 Maps and 4 Plates. 16th Edition. 6s.

A CONSTITUTIONAL AND POLITICAL HISTORY OF ROME. By T. M. TAYLOR, M.A., Fellow of Gonville and Caius College, Cambridge. 4th Edition. 8s. 6d.

MATHEMATICS

EASY EXERCISES IN ARITHMETIC. Containing 5,000 examples. By W. S. BEARD. 10th Edition. Fcap. 8vo. Without Answers, 1s. 9d. Answers, 1s. net. [*Beginner's Book.*]

A NEW JUNIOR ARITHMETIC. By H. BOMPAS SMITH, M.A., Head Master of King Edward VII School, Lytham. Fourth Edition. Crown 8vo. With Answers, 4s. Without Answers, 3s.

EASY TEST PAPERS IN ARITHMETIC AND ALGEBRA. Arranged by W. S. BEARD, sometime a Master at Christ's Hospital. Crown 8vo. 1s. 6d. Answers, 1s. 6d.

CHEMISTRY

THE COMPLETE SCHOOL CHEMISTRY. By F. M. OLDHAM, M.A. With 125 Illustrations. 12th Edition. Crown 8vo. 7s. 6d.

EXAMPLES IN PHYSICS. By C. E. JACKSON, M.A. 4th Edition. Crown 8vo. 5s.

ELEMENTARY CHEMICAL THEORY. By J. M. WADMORE, M.A. Senior Science Master at Aldenham School. With Diagrams. Crown 8vo. 5s.

A TEXT-BOOK OF INORGANIC CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College, Author of "Outlines of Physical Chemistry." With many Diagrams. 3rd Edition. Crown 8vo. 8s. 6d.

OUTLINES OF PHYSICAL CHEMISTRY. By GEORGE SENTER, D.Sc., Ph.D., Principal of Birkbeck College. With many Diagrams. 6th Edition. Crown 8vo. 7s. 6d.

PHYSICO-CHEMICAL CALCULATIONS. By JOSEPH KNOX, D.Sc., Lecturer on Inorganic Chemistry, Aberdeen University 2nd Edition. Crown 8vo. 4s. 6d.

TECHNOLOGY

CARPENTRY AND JOINERY. By F. C. WEBBER, Chief Lecturer to the Building Trades Department of the Merchant Venturers' Technical College at Bristol. With 176 Illustrations. 6th Edition. Crown 8vo. 6s.

ELECTRIC LIGHT AND POWER. By E. E. BROOKS, B.Sc. (Lond.), Head of the Department of Physics and Electrical Engineering, Leicester Municipal Technical School, and W. H. N. JAMES, A.R.C.S., A.M.I.E.E., Lecturer in Electrical Engineering, Municipal School of Technology, Manchester. With 17 Plates and 230 Illustrations. 6th and Revised Edition. Crown 8vo. 6s. 6d.

ENGINEERING WORKSHOP PRACTICE. By CHARLES C. ALLEN, Head of the Department of Engineering. Technical Institute, Auckland. With 152 Illustrations. 4th Edition. Crown 8vo. 5s.

AN INTRODUCTION TO THE STUDY OF TEXTILE DESIGN. By ALDRED F. BARKER, Head of the Textile Department, Bradford Technical College. With numerous Illustrations and Diagrams. 2nd Edition. Demy 8vo. 8s. 6d.

METHUEN & CO., LTD., 36 Essex Street, London, W.C.2

Cambridge University Press

RECENT PUBLICATIONS

History of Modern France, 1815-1913.

By EMILE BOURGEOIS. In two volumes. Crown 8vo. With a map. 21s net. Cambridge Historical Series

"M. Bourgeois' learned volumes form a notable addition to the Cambridge Historical Series. Their author is one of the greatest of living French historians. Throughout the treatment is admirably balanced, and academic in the best sense of that much abused word."—*The Scotsman*

Germany, 1815-1890.

With two supplementary chapters. By Sir A. W. WARD, Litt.D., F.B.A. Crown 8vo. In three volumes. 12s 6d net each. Cambridge Historical Series

"A work in many respects of unique value to the student. It is an ideal book for the man who wishes to take up any subject and pursue it in detail."—*The Pall Mall Gazette*

The Voyage of a Vice-Chancellor.

[By A. E. S.] Crown 8vo. With a map. 6s net

"Extracts from a private diary kept during a long tour in the United States and Canada. Dr Shipley has a keen sense of humour. . . . The most entertaining book of travel that I have seen for a long time."—*The Westminster Gazette*

"One of the most delightfully amusing books, full of good stories, deftly interwoven, that have been published this many a day."—*The Daily Mail*

The America of To-day.

Being Lectures delivered at the Local Lectures Summer Meeting of the University of Cambridge, 1918. Edited by G. LAPSLEY, M.A., Ph.D. (Harvard), Fellow and Lecturer of Trinity College, Cambridge. Demy 8vo. 12s net

CONTENTS:—Introduction, by the Editor; English Influence on Ideals, by Prof. H. D. HAZELTINE; State and Municipal Government, and Social Questions, by LORD EUSTACE PERCY; Industrial Conditions, and The Government and Business, by P. B. KENNEDY; Recent Party History, by J. D. GREENE; The Development of Universities, by Prof. J. W. CUNLIFFE; State Universities, School Systems and Colleges, by G. E. MACLEAN; Contemporary Literature, by Prof. H. S. CANNY; William James and Josiah Royce, by Dr GEORGE SANTAYANA; The Position of Women, by Mrs BOWLER

Cambridge Readings in Literature.

A Series of Anthologies from Homer to Masfield, illustrated with reproductions of pictures by great masters, from Botticelli to William Orpen. Edited by GEORGE SAMPSON. In five books. Crown 8vo. School edition, cloth flush. Books I, II, and III, 3s 6d net each; Books IV and V, 4s net each. Prices of other bindings on application.

"We have never seen more delightful books of their kind, and we predict that they will receive the most cordial of welcomes from teachers of English."—*The Scottish Educational Journal*

Stories from Spenser.

By MINNA STEELE SMITH, Fellow of Newnham College. Crown 8vo. With 8 pictures. 3s net

"This little book of stories from Spenser is intended to form a volume of the series admirably begun by Miss Macaulay's *Stories from Chaucer*. The selections from Spenser in the present volume are taken from the first two books of *The Faerie Queene*, with a few episodes from Books III and IV. Short passages of Spenser's verse have been inserted at frequent intervals in the prose paraphrase."—*Extract from the Preface*

Britain in the Middle Ages.

A History for Beginners. By FLORENCE L. BOWMAN, Lecturer in Education, Homerton College, Cambridge. Crown 8vo. With 28 illustrations. 3s net

"Miss Bowman has rightly used contemporary literature as living evidence of the spirit of the times. . . . The book is very attractive and useful and should be widely used."—*The Times Educational Supplement*

Recent Discoveries in Inorganic Chemistry.

By J. HART-SMITH, A.R.C.S., F.I.C. Demy 8vo. 4s 6d net

"Every teacher has a favourite textbook which fits his teaching methods better than any other, but scientific textbooks grow rapidly out of date. This little book will obviate the difficulty: it contains in compact and handy form a résumé of those recent discoveries which have made the regular textbook incomplete."—*The A.M.A.*

STANDARD TEXT-BOOKS

ENGLISH

The Revised English Grammar. By A. S. WEST, M.A. 3s 6d net

The Revised English Grammar for Beginners. By A. S. WEST, M.A. 1s 6d net

English Grammar: Descriptive and Historical. By T. G. TUCKER, Litt.D., and R. S. WALLACE, M.A. 3s net

A Junior Graphic Grammar. By E. A. A. VARNISH and J. H. HANLY. With a table. 2s 6d net

A Handbook of English for Junior and Intermediate Classes. By D. B. NICOLSON, M.A. 2s net

English Composition, with Chapters on Précis Writing, Prosody, and Style. By W. MURISON, M.A. 6s net. Or in two parts, 3s 6d net each. Key to Exercises, 6s 6d net

Précis Writing. By W. MURISON, M.A. In three parts. Part I, 3s net. Part II, 3s 6d net. Part III, 4s net

A Handbook of Précis Writing, with Graduated Exercises. By E. D. EVANS, M.A. 3s net

A Primer of English Literature. By W. T. YOUNG, M.A. Cloth, gilt lettering, 2s 6d net. Limp cloth, 1s 6d net

Outlines of Victorian Literature. By HUGH WALKER, LL.D., and Mrs HUGH WALKER. 4s 6d net

A Book of Victorian Poetry and Prose. Compiled by Mrs HUGH WALKER. 4s net

CARTOGRAPHY

Map Projections. By A. R. HINKS, M.A., F.R.S. 6s net

"The principal systems . . . are well described and clearly explained, their special advantages and points of weakness being indicated. . . . The present volume will be of great use to all geographers, and should pave the way for a more serious study of cartography on scientific lines than yet generally obtains."—*Nature*

Maps and Survey. By A. R. HINKS. 7s net

"A book from the pen of Mr Hinks on the subject of maps and survey is certain of a warm welcome, firstly because the author is thoroughly master of his subject, and secondly because he has the valuable gift of clear exposition. Those who take up this book with the hopes of getting a lucid account both of the science of map-making and of the art of using a map when it is made, will not be disappointed. . . . The book is a thoroughly good one."—*The Geographical Journal*

SCRIPTURE

The Cambridge Bible for Schools and Colleges. Now completed in fifty-six volumes. Prospectus on application.

A Companion to Biblical Studies. Edited by W. EMERY BARNES, D.D. 17s net

The Bible of To-day. By the Rev. ALBAN BLAKISTON, M.A. 3s 6d net

The Prayer-Book Explained. Part I, The Daily Offices and the Litany. By the Rev. P. JACKSON, M.A. 3s 6d net

The Church Catechism Explained. By the Rev. A. W. ROBINSON, D.D. Second edition. 3s net

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

Cambridge University Press

MATHEMATICAL AND SCIENTIFIC TEXT-BOOKS

ARITHMETIC

Arithmetic. By C. GODFREY, M.V.O., M.A., and E. A. PRICE, B.A.

	With Answers	Without Answers
Complete (Parts I, II, III) ...	5s 6d net	5s net
Parts I and II together ...	4s ..	3s 6d ..
Part III ...	3s ..	2s 6d ..
Exercises (Parts I, II, III) ...	5s ..	4s 6d ..
.. (Parts I, II) ...	—	2s 6d ..
.. (Part III) ...	—	2s 3d ..

The Winchester Arithmetic. By C. GODFREY and G. M. BELL, B.A. 4s 6d net. Or in two parts, 2s 6d net each.
Teachers' edition, 8s 6d net

ALGEBRA

Elementary Algebra. By C. GODFREY, M.V.O., M.A., and A. W. SIDDON, M.A.

	With Answers	Without Answers
Complete in one volume ...	7s net	6s 6d net
Or in two volumes—		
Vol. I, Algebra for Beginners	4s 6d ..	4s ..
Vol. II ...	3s 6d ..	3s ..
Vol. I is also published in two parts:—		
Part I, Chapters I—IV ...	1s 6d ..	1s 6d ..
Part II, Chapters V—XIV ...	2s 6d ..	2s ..

Algebra for Secondary Schools. By CHARLES DAVISON, Sc.D. 10s net. Or in two volumes, 5s net each; without answers, 4s 6d net each

Exercises, separately. With answers, 4s net; without answers, 3s 6d net

Problem Papers supplementary to *Algebra for Secondary Schools*. Paper covers, 1s net

Higher Algebra for Colleges and Secondary Schools. By the same author. 8s 6d net

An Algebra for Preparatory Schools. By TREVOR DENNIS, M.A. 3s 3d net
Teachers' edition, with answers, interleaved, 7s 6d net

A School Algebra Course. (Examples only.) By F. GORSE, M.A. With or without answers, 4s 6d net. Or in three parts, 1s 6d net each

Elementary Algebra. By C. H. FRENCH, M.A., and G. OSBORN, M.A. With answers, 5s net; without answers, 4s 6d net

TRIGONOMETRY

The Elements of Trigonometry. By S. L. LONEY, M.A. 4s net

Plane Trigonometry. By the same author. 9s 6d net. Or in separate parts: Part I, An Elementary Course, excluding the use of imaginary quantities. 5s 6d net. Part II, Analytical Trigonometry. 5s net

Solutions of the Examples. Parts I and II. 7s net each

An Elementary Treatise on Plane Trigonometry. By E. W. HOBSON, Sc.D., F.R.S., and G. M. JESSOP, M.A. 6s 6d net

Trigonometry for Beginners. By J. W. MERCER, M.A. 5s 6d net

Numerical Trigonometry. By the same author. 3s net

A Class Book of Trigonometry. By CHARLES DAVISON, Sc.D. 4s 6d net

Examples in Numerical Trigonometry. By E. A. PRICE, B.A. 3s net

Four-figure Tables. By C. GODFREY, M.V.O., M.A., and A. W. SIDDON, M.A. 1s net

Mathematical Problem Papers. Compiled and arranged by Rev. E. M. RADFORD, M.A. 5s net **Solutions,** 12s net

GEOMETRY

A First Course of Geometry. By C. DAVISON, Sc.D. 2s 3d net
Plane Geometry for Secondary Schools. By CHARLES DAVISON, Sc.D., and C. H. RICHARDS, M.A. 5s 6d net. Or in four parts, paper boards, 1s 6d net each

Elementary Geometry (Practical and Theoretical).

By C. GODFREY, M.V.O., M.A., and A. W. SIDDON, M.A. Complete in one volume. 7s net Or in two parts: Part I, Experimental Geometry, 2s net; Part II, Theoretical Geometry, 6s net. Part II is also published in four separate books:—Book I; Book II (Area); Book III (The Circle); Book IV (Similarity); 2s net each. Or in two volumes, 3s net each. Vol I contains Part I (Experimental Geometry) and Part II, Books I and II; Vol II contains Part II, Books III and IV

Answers to the Examples. 6d net post free

Solutions of the Exercises. By E. A. PRICE, B.A. 7s 6d net

A Shorter Geometry. By the same authors. 4s 6d net Or in four parts: Part I, Geometry for Beginners, 1s 6d net; Part II, Books I and II; Part III, Book III (The Circle); Part IV, Book IV (Similarity), 1s 3d net each. Notes and Answers, 9d net

Modern Geometry. By the same authors. 6s net

Solid Geometry. By the same authors. 2s 3d net

The Elements of Solid Geometry. By CHARLES DAVISON, Sc.D. 3s 6d net

A Geometry for Schools. By F. W. SANDERSON, M.A., and G. W. BREWSTER, M.A. With or without answers, 3s 6d net **Examples** from the above. With or without answers, 2s 3d net

Geometrical Drawing. With Notes and Examples. By W. H. BLYTHE, M.A. In two parts. 1s 9d net each

SCIENCE

Experimental Science. By S. E. BROWN, M.A., B.Sc. In two parts. Part I, Physics, 5s net; Part II, Chemistry, 3s 6d net. The two parts may be obtained in one or two volumes for 7s 6d net. Part I is also issued in four sections.

Physical Chemistry for Schools. By H. J. H. FENTON, M.A., Sc.D., F.R.S. 4s net

Inorganic Chemistry. By E. I. LEWIS, B.A., B.Sc. 6s net. Or in two parts, 3s 6d net each

Notes on Elementary Inorganic Chemistry. By F. H. JEFFERY, M.A. Demy 8vo. 3s net. With blank pages interleaved, 3s 6d net

Sound. An Elementary Text-book. By J. W. CAPSTICK, D.Sc. 6s net

Heat and Light. By Sir R. T. GLAZEBROOK, M.A., F.R.S. 7s 6d net. And separately: **Heat,** 4s net; **Light,** 4s net

Mechanics and Hydrostatics. By Sir R. T. GLAZEBROOK, F.R.S. 8s 6d net. Also in separate volumes: **Dynamics,** 4s 6d net; **Statics,** 3s net; **Hydrostatics,** 3s net

Electricity and Magnetism. By Sir R. T. GLAZEBROOK, F.R.S. 8s 6d net

A School Electricity. By C. J. L. WAGSTAFF, M.A. 5s net

Elementary Dynamics for Schools. By C. E. ASHFORD, M.A. 5s net

Mechanics and Hydrostatics for Beginners. By S. L. LONEY, M.A. 5s net

The Elements of Statics and Dynamics. By the same author. 9s net. Separately, **Statics,** 5s net; **Dynamics,** 5s net **Solutions of the Examples,** 9s net

The Elements of Hydrostatics. By the same author. 5s net **Solutions,** 6s net

Treatise on Elementary Dynamics. By the same author. 7s 6d net **Solutions,** 7s 6d net

A complete Educational Catalogue will be sent on request

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

so forth. To these and many other questions Prof. Osborn proposes answers which are always stimulating and interesting. Apart from the speculations which it illustrates, his succinct and readable account of the procession of animal life through geological ages, with its attractive pictures and helpful maps and diagrams, makes the volume a desirable addition to the reference shelves of school libraries.

Textbook of Embryology. Vol. II: *Vertebrata, with the exception of Mammalia.* By J. GRAHAM KERR. (31s. 6d. net. Macmillan.)

A nice faculty of discrimination enables Prof. Graham Kerr to sift the essential from the trivial, and to set forth the grand features of individual development and of racial evolution. It has been his good fortune, thanks largely to his own researches, to have at his disposal the developmental history of those ancient and primitive fishes, the *dipnoi*, or lung fishes. It is thus not surprising that on many points there is disagreement with the theories of some earlier writers. The book opens with a chapter on segmentation, gastrulation, and the formation of the germ layers. The succeeding chapters deal respectively with the skin and its derivatives (including the nervous system), the alimentary canal, the coelomic organs, the skeleton, the vascular system, and the external features of the body. Chapters VIII and IX are devoted to adaptation to environment and general considerations; X to the practical study of the embryology of the fowl; while the two concluding chapters contain hints on the practical study of the lower vertebrates and on the general methods of embryological research. Throughout it is constantly borne in upon the reader that the main object of embryology is to gain information concerning the lines along which the structure of existing groups of animals has been evolved. Prof. Graham Kerr marshals his facts, and shows what may be learnt from them, with the persuasive skill of an advocate and the impartiality of a judge. The illustrations, both diagrammatic and otherwise, are admirable, and will be welcomed alike by lecturers and students; as, too, will the "literature" lists appended to each chapter. Both author and publishers are to be congratulated on the production of this valuable textbook.

Practical Chemistry for Intermediate Classes. By H. B. DUNNICLIFF. (5s. Macmillan.)

Prof. Dunncliff has succeeded admirably in drawing up a precise


and yet not exiguous course for Indian students. The wholly different conditions under which teacher and student work and the indigenous difficulties met with render the occidental type of textbook somewhat less valuable than might be expected superficially. Furthermore the Western attitude of mind does not exactly coincide with the view-point of the East. Some of the author's laboratory rules, although specifically designed for another class of students, might well be applied in many English chemical departments. There are sixty-one demonstrations, classified under the headings of general preparation; simple quantitative determinations such as solubility, loss in weight during reaction, tests for and separation of the commoner radicles, and simple volumetric analysis. The experimental details given are clear and accurate, and wherever possible the correlation of theory and practice is insisted upon.

PRIMARY SCHOOL NOTES.

Practical Patriotism in the Schools.

THE annual report of the Board of Education emphasizes the magnificent work done by the primary schools in assisting the War Savings movement. As many as 14,000 schools participated—that is, more than 73 per cent. of the total number of such schools. The efforts of the Welsh schools, some of which contributed £10,000 each, are particularly creditable. It is clear, however, that the returns of the Board are far from complete, and it is possible that many English areas have records equally noteworthy. The active co-operation of the Inspectors of the Board of Education in the Welsh areas in assisting the teachers to develop a practical spirit of patriotism by encouraging the scholars to purchase War Savings Certificates might very well be extended to every inspectorial area in the country, especially in view of the new national loan. The new spirit of *esprit de corps* which the achievements of Old Boys in the War have done so much to foster in every school, and the notable efforts accomplished in the national cause by the pupils themselves, are factors which Inspectors will be wise to acknowledge. The schools of to-day can no longer be assessed by the old inspectorial rule of three which confined itself strictly to

(Continued on page 498.)



W. Heffer & Sons Limited
PETTY CURY
Cambridge
ENG.

BUY and SELL Secondhand and College Text Books, English and Foreign. Enquiries for Books wanted, and Offers of Books for Sale are invited.

A MESSAGE TO VIOLIN LOVERS.



We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your enquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

DUPLICATING AND TYPEWRITING.

NEATLY AND PROMPTLY EXECUTED.

SEND YOUR ORDER NOW. WE QUOTE YOU COST PER RETURN.

THE CAXTON TYPEWRITING CO.,
3 PATON STREET — MANCHESTER.

BOOKS

On Educational, Scientific, Medical, Law, Theological and ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants. Books Bought.

W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C. 2.

PUBLISHED BY MACMILLAN & CO., Ltd.

CAMBRIDGE LOCAL EXAMINATIONS, 1920.

ENGLISH.

- Scott.**—**Lay of the Last Minstrel** and **The Lady of the Lake.** Edited by F. T. PALGRAVE. 1s. 3d.
[Preliminary, Junior and Senior]
- **The Lay of the Last Minstrel.** With Introduction and Notes. By G. H. STUART, M.A., and E. H. ELLIOT, B.A. Cantos I–III, 1s. 6d.; Complete, 2s. 6d.
[Preliminary, Junior and Senior]
- **Lay of the Last Minstrel.** Edited by R. H. BOWLES. 1s. 6d. net. [Preliminary, Junior and Senior]
- Defoe.**—**Robinson Crusoe.** Part I. Edited by C. R. GASTON. 1s. 6d. net. [Preliminary and Junior]
- **Robinson Crusoe.** Edited by H. KINGSLEY. 4s. 6d. [Preliminary and Junior]
- **Robinson Crusoe.** Abridged and Edited by J. HUTCHISON. 1s. 3d. [Preliminary and Junior]
- **Robinson Crusoe.** Abridged and Edited by C. JOHNSON. 1s. 6d. net. [Preliminary and Junior]
- Shakespeare.**—**The Tempest.** With Introduction and Notes. By K. DEIGHTON. 2s. [Junior and Senior]
- **The Tempest.** Edited by H. E. GREENE, Ph.D. 1s. 3d. net. [Junior and Senior]
- **The Tempest.** Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **The Tempest.** (Text only.) 6d. [Junior and Senior]
- Scott.**—**The Talisman.** With Introduction and Notes. 3s. [Junior]
- **The Talisman.** Abridged Edition for Schools. 2s. [Junior]
- **The Talisman.** Edited by F. JOHNSON. 1s. 9d. [Junior]
- **The Talisman.** Abridged and Edited by F. TREUDLEY. 1s. 6d. net. [Junior]
- Tennyson.**—**The Coming of Arthur** and **The Passing of Arthur.** With Introduction and Notes. By F. J. ROWE, M.A. 2s. [Junior]
- Milton.**—**Lycidas, Sonnets, &c.** With Introduction and Notes. By W. BELL, C.I.E., M.A. 2s. [Senior]
- **Comus.** With Introduction and Notes. By W. BELL, C.I.E., M.A. 1s. 6d. [Senior]
- **Comus, Lycidas, and other Poems.** Edited by S. E. ALLEN. 1s. 6d. net. [Senior]

ENGLISH—continued.

- Scott.**—**The Fortunes of Nigel.** With Introduction and Notes. 3s. [Senior]
- Shakespeare.**—**Hamlet.** With Introduction and Notes. By K. DEIGHTON. 3s. [Senior]
- **Hamlet.** Edited by Prof. M. A. SHERMAN. 1s. 6d. net. [Senior]
- **Hamlet.** Edited by G. P. BAKER. 1s. 3d. net. [Senior]
- **Hamlet.** Eversley Edition. With Notes. 1s. 3d. [Senior]

LATIN AND GREEK.

- Caesar.**—**De Bello Gallico.** Book VI. With Notes and Vocabulary. By C. COLBECK, M.A. 1s. 9d. [Junior]
- Virgil.**—**Aeneid.** Book VI. With Notes and Vocabulary. By T. E. PAGE, M.A. 1s. 9d. [Junior and Senior]
- Livy.** Book V. With Notes and Vocabulary. By M. ALFORD. 1s. 9d. [Senior]
- Tacitus.**—**Agricola.** Edited by A. J. CHURCH, M.A., and W. J. BRODRIBB, M.A. 2s. 6d. [Senior]
- Plautus.**—**Captivi.** Edited by A. R. S. HALLIDIE, M.A. 4s. [Senior]
- Xenophon.**—**Anabasis.** Book I. With Notes and Vocabulary. By Rev. A. S. WALPOLE, M.A. 1s. 9d. [Junior]
- **Anabasis.** Book I. With Exercises. By E. A. WELLS, M.A. 1s. 9d. [Junior]
- **Anabasis.** Books I–IV. Edited by Prof. W. W. GOODWIN and J. W. WHITE. 4s. [Junior]
- Euripides.**—**Medea.** With Notes and Vocabulary. By Rev. M. A. BAYFIELD, M.A. 1s. 9d. [Junior and Senior]
- **Medea.** Edited by A. W. VERRALL, Litt.D. 3s. [Junior and Senior]
- Thucydides.**—Book IV, Chaps. 1–41. THE CAPTURE OF SPHACTERIA. With Notes and Vocabulary. By C. E. GRAVES, M.A. 1s. 9d. [Senior]
- Book IV. Edited by E. C. MARCHANT, M.A. 4s. [Senior]
- Xenophon.**—**Memorabilia Socratis.** Edited by A. R. CLUER, B.A. 6s. [Senior]
- Homer.**—**Iliad.** Books I, IX, XI, XVI–XXIV. Edited by J. H. PRATT, M.A., and W. LEAF, Litt.D. 6s. [Senior]

Complete List, including the Higher School Certificate Examination, post free on application.

W. & A. K. JOHNSTON'S PUBLICATIONS.

The following will be READY FOR THE COMING TERM. ORDER NOW.

IMPERIAL WALL MAPS, 72×63 EUROPE
LARGE SCHOOL WALL MAPS, 50×42 OF ASIA
SMALL SCHOOL WALL MAPS, 34×28 AFRICA
WORLD.

With all the New Peace Boundaries inserted.

ATLAS SENIOR GEOGRAPHY—

EUROPE

“ “ “ MEDITERRANEAN LANDS

Specially suitable for Upper Forms and Candidates preparing for the Oxford and Cambridge Locals and other University Examinations.

EDINA JUNIOR HISTORIES.

Suitable for Upper Standards, Higher Elementary and Central Schools and Lower Forms of Secondary Schools.

Written on the most Modern Approved Methods.

- Book I.—**The Age of Settlement.** B.C. 55–A.D. 1154. 1s. 4d. net.
“ II.—**The Age of Chivalry.** A.D. 1154–A.D. 1485. 1s. 4d. net.
“ III.—**The Age of Discovery.** A.D. 1485–A.D. 1603. 1s. 4d. net.
“ IV.—**The Age of Strife.** A.D. 1603–A.D. 1713. 1s. 4d. net.
“ V.—**The Age of Empire Building.** A.D. 1713–A.D. 1815. Shortly.
“ VI.—**The Age of Democracy.** A.D. 1815–A.D. 1918. Shortly.

The Scottish Educational Journal.—“ Miss Westlake and Mr. Franklin have performed a distinct service in issuing this 'age' series of histories. . . . The series seems to us to be on the most approved lines, and we heartily recommend it to our readers.”

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C. 2.

the data covered by the curricula. A more vigorous and sympathetic identification with the spirit and ideals of the schools appears to be necessary. An active participation by members of the inspectorate in the school campaign to support the War Loan will therefore be welcomed by teachers, inasmuch as it will enable Inspectors to realize the throbbing vitality of the primary school system as no scheme of formal visiting and school reports can.

* * * * *

Trophies for School Savings Associations.

WHILE honours innumerable have been showered upon those who have been concerned with the organization of War services in an official capacity, the record of recognition of those who have done the real work in the schools remains remarkably bare. If the efforts made by the schools are too insignificant to merit official acknowledgment, there is no reason why formal recognition of creditable achievement should not be made in individual cases by the Board of Education. Such action would exert a great influence upon the tradition of the schools, all of which now have their honours lists. In the award of trophies, too, the same neglect of the children's efforts has been shown. The gift of a machine gun to a school, for example, would have exerted an important influence as a record in its history. There is a belated scheme for the award of German rifles to schools which have rendered good service in their War Savings Associations; but, from the ethical and educational point of view, English trophies would be preferable.

* * * * *

Head Teachers at Birmingham.

THE Annual Conference of the National Association of Head Teachers at Birmingham, on June 12 and 13, was noteworthy in the optimism with which the future of education was regarded. The Council announced its intention of resuming activities on a pre-war scale. The membership has gone up steadily throughout the war years, and now numbers 6,701; in addition, the number of local associations has substantially increased. In welcoming the Conference, strong emphasis was laid by the Bishop of Birmingham and Sir George Kenrick upon the necessity of bringing out the individuality of our children: "individuality was the soul of progress." Sir Oliver Lodge pleaded for the cultivation of the spiritual and moral values in education, while Archbishop McIntyre expressed the belief that successful teaching depended mainly upon the degree of professional ambition in the teacher. These principles largely dominated the discussions which followed. In his comprehensive survey of the school outlook, the new President, Mr. H. R. Morrell, of York, asked for strong measures to be taken to improve the status of teachers, otherwise it would be impossible to attract candidates to the profession. It was imperative that the supply of qualified teachers should be doubled during the next ten years. In order to secure the co-operation of the whole community in the work of education, Mr. Morrell suggested the formation of joint committees of parents and teachers in every area. The Conference approved the establishment forthwith of nursery schools in all districts under the supervision of competent teachers and nurses, the provision of University training for teachers, the promotion of teachers to higher posts in the administrative and inspectorial departments, and the provision of facilities for uncertificated teachers to become fully trained and certificated.

* * * * *

Equal Pay for Men and Women Teachers.

A KEEN debate, which was maintained at a high level throughout, followed a proposal from Cardiff in favour of equal pay for men and women teachers. An amendment from Leeds that the Council should be instructed to secure better salaries for both men and women teachers, but that no scheme would successfully attract men and women of equal social standing and ability which did not offer higher salaries to men than to women, was passed by about seventy votes to forty.

* * * * *

National Union of Teachers.

THE approval of the Executive of the Union has been extended to the proposals for a system of decimal weights, measures and coinage, and of the institution of decimal coinage as a first step. The revised scale of salaries authorized by the Cheltenham Conference has now been prepared by the Salaries Sub-Committee, and will be presented for consideration to the next meeting of the Executive. The Union Thank-Offering Fund for the Improvement of Teachers' Pensions under the former Superannuation Act now considerably exceeds £5,000. The Union War Aid Fund for wounded Service Teachers amounts to more than £153,200. The necessary steps have been taken to appoint three additional divisional officers, one of whom is to be employed mainly in the Metropolitan and Extra-Metropolitan Districts.

TUITION BY POST.

Practical Training in

**SHORTHAND,
BOOK-KEEPING AND ACCOUNTANCY,
COMMERCIAL PRACTICE, BANKING,
ADVERTISING, COMMERCIAL LAW.**

PITMAN'S POSTAL COURSES are admirably adapted for teachers who are unable to take advantage of the ordinary facilities for receiving oral instruction, but desire to qualify in commercial subjects. Each lesson is a full exposition of that part of the subject covered. One course, or any group, may be commenced at any time, and from any stage of present knowledge.

Write for details, stating the subjects in which you are interested.

Pitman's School
BUSINESS SECRETARIAL & CIVIL SERVICE TRAINING

The Leading Teachers' Training Centre in the Kingdom for
Commercial Subjects.

Principal: FREDERICK HEELIS, F.R.S.A.,
169 SOUTHAMPTON ROW, LONDON, W.C.1.
Seven London Branch Schools, and at Bristol and Leeds

BOTANICAL APPARATUS

VASCULA, PRESSES, POCKET LENSES, &c.

MICROSCOPICAL PREPARATIONS

In Sets to illustrate current Textbooks.

New Catalogue in the Press—ready July.

FLATTERS & GARNETT, Ltd.,
309 OXFORD ROAD (Opposite the University), MANCHESTER.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental
Apparatus Parts and Materials.

Lenses, Achromatic or Plain, Prisms, Mirrors, and
Optical Goods.

Best Make, Second-hand P.O., and other Galvanometers,
Relays, Electric, and Optical Instruments at
ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings
for the Student of Science.

Telephones, Batteries, Morse Keys, and every aid for
Radio and Telegraphic Experiments.
Our Celebrated Wimshurst Machines.

War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
Call or write for information. (H. J. DALE has had fifty
years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Stollan Avenue, Bloomsbury Square, London, W.C.1.

THERE IS EVERY INDICATION

that an unusual proportion of Parents will this Summer be seeking information as to SCHOOLS OUTSIDE THEIR OWN KNOWLEDGE OR THAT OF THEIR FRIENDS; and this movement will not be in one direction only, since some people find themselves in a position to afford to spend more on the education of their children.

THE TWENTY-SECOND EDITION OF

PATON'S LIST of SCHOOLS and TUTORS

will be of exceptional importance, as it will be in current use now the War is over, and children from India, the Colonies, and other places abroad, who have been kept back, will be brought home by their parents for education.

Grateful letters from parents show that we succeed in providing them with what they urgently require. Grateful letters from Principals of Schools prove that in their case also we supply a much needed want.

J. & J. PATON, EDUCATIONAL AGENTS,

143 CANNON STREET, LONDON, E.C.4.

Telephone : Central 5053.

TEXT-BOOKS FOR JUNIOR AND SENIOR FORMS.

PUBLISHED AT THE

University Tutorial Press.

ENGLISH, FRENCH, LATIN.

English Grammar, Junior. With Parsing and Analysis. By A. M. WALNSLEY, M.A. *Second Edition.* 2s.

"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*

English Composition, Junior. By E. W. EDMUNDS, M.A., B.Sc., Senior Assistant Master at Luton Modern School. 2s.

"Makes plain for the young pupil the essentials of good writing."—*Education.*

English Composition, Senior Course of. By E. W. EDMUNDS, M.A., B.Sc. *Second Edition.* 3s. 6d.

"Excellent devised and arranged."—*School World.*

English Course, The Matriculation. By W. H. LOW, M.A., and JOHN BRIGGS, M.A. *Third Edition.* 4s. 6d.

"Admirably fulfils its purpose. The chapters on précis-writing and indexing are excellent."—*Westminster Review.*

English Verse, An Anthology of. For use in Schools and Colleges. By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. 3s. 6d.

"A charming and truly representative collection."—*Guardian.*

English Prose, An Anthology of. For use in Schools and Colleges. By S. E. GOGGIN, M.A., and A. R. WEEKS, M.A. 3s. 6d.

"The choice of writers could not well be bettered."—*Saturday Review.*

English Literature, The Tutorial History of. By A. J. WYATT, M.A. *Third Edition.* continued to the present time. 3s. 6d.

"It is well written, well informed, and accurate."—*The Journal of Education.*

English Literature of the Nineteenth Century. By HENRY CLAY, M.A., and A. J. WYATT, M.A. 2s. 9d.

"A piece of sound and sympathetic scholarship."—*Athenæum.*

French Course, New Junior. By G. A. ROBERTS, M.A., Head Master, Russell Hill School, Purley. 3s. 6d.

"The book becomes a serious rival to those existing."—*Schoolmaster.*

French Course, Senior. By Professor WEEKLEY, M.A., and and CLAUDE GILLI, B.A. 4s. 6d.

"A model of clearness and simplicity."—*The Journal of Education.*

French Course, Direct. By H. J. CHAYTOR, M.A., Head Master of Plymouth College. Illustrated. 2s. With Vocabulary (French-English). 2s. 9d. Vocabulary (separately). 10d. net.

"Mr. Chaytor is a teacher of experience, and his book does him credit."—*School World.*

French Composition, Groundwork of. By Professor ERNEST WEEKLEY, M.A. 2s. 9d.

"The author's works have done much to raise the standard in French scholarship throughout the country."—*Secondary School Journal.*

French Essays, Matriculation. (Free Composition.) By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A. 2s.

"A serviceable and well-graded book."—*School World.*

French Reader, New Junior. By J. P. R. MARICHAL, L. ès L., and L. J. GARDINER, M.A. 2s. 9d.

"The co-operation of a French and an English editor has produced the happiest results."—*The Journal of Education.*

French Reader, Senior. With Introduction, Notes, and Vocabulary. By R. F. JAMES, B.A. 3s. 6d.

"This is a splendid reader."—*Schoolmaster.*

Latin Course, New Junior. By J. V. THOMPSON, M.A., and LL. M. PENN, M.A. 4s. 6d.

"A very successful compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*

Latin Course, Senior. By A. J. F. COLLINS, M.A., and ALFRED ROBINSON, B.A. 4s. 6d.

"The book is business-like and well arranged."—*Guardian.*

Latin Authors, Selections from. Senior Edition. By A. F. WATT, M.A., and B. J. HAYES, M.A. *Third Edition.* 3s. 6d.

"It is quite an interesting selection, and well done."—*School World.*

Latin Reader, New Junior. By A. J. TATE, M.A. 2s. 9d.

"Mr. Tate has shown great judgment in the extracts he has chosen."—*Bookseller.*

HISTORY AND GEOGRAPHY.

Geography, Junior. By G. C. FRY, M.Sc. 3s. 6d.

"A concise book of geography on modern lines. The diagrams are bold and convey definite visual instruction directly illustrating the text."—*Education.*

Geography, Textbook of. By G. C. FRY, M.Sc. *Second Edition, Revised and Enlarged.* 5s. 6d.

"A capital exposition of the modern methods of treating geography."—*Teacher's World.*

Geography of Europe, Senior. Being the Geography of Europe, including the British Isles, with chapters on Physical Geography. By G. C. FRY, M.Sc. Adapted from the *Textbook of Geography.* 3s. 6d.

"Mr. Fry brings out the fascination of the broad view of geography."—*Literary World.*

Physical Geography, Principles of. Adapted from the Physical section of the *Textbook of Geography.* By G. C. FRY, M.Sc. 2s.

"In this thoroughly serviceable volume Mr. Fry prepares the way clearly and fully for the study of economic and regional geography."—*Educational News.*

Government of the United Kingdom, its Colonies and Dependencies. By A. E. HOGAN, LL.D., B.A. *Third Edition, Revised and Enlarged.* 3s. 6d.

An elementary account of the British Constitution suitable for upper schools. "The account of the present-day institutions of the British Empire is good and clear."—*School World.*

History of England, School. By M. E. CARTER, Honour School of Modern History, Oxford. 4s. 6d. Also in three parts as follows:—I, to 1603; II, 1485-1714; III, 1660-1910. 2s. each.

"Very careful judgment has been exercised in the selection of the matter, and a proper perspective maintained."—*Educational Times.*

English History, Groundwork of. By M. E. CARTER, Honour School of Modern History, Oxford. 2s. 9d.

"A very readable outline of the salient facts of English History. The material is well arranged and the language is simple."—*Educational News.*

Matriculation Modern History: History of England, 1485-1901, with some reference to the Contemporary History of Europe and Colonial Developments. By C. S. FEARENSIDE, M.A. *Second Edition.* With Biographies. 5s. 6d.

"An excellent manual. The international history, specially in the eighteenth century, where most text-books fail, is very carefully treated."—*School World.*

Social History of England, A. By FREDERICK BRADSHAW, D.Sc., M.A. 5s.

An elementary account, suitable for use in the upper forms in schools, of the social and economic development of England.

"An exceedingly interesting and valuable little book . . . a book of high authority and serviceableness."—*The Journal of Education.*

Rome, History of: The Tutorial, to 37 A.D. By A. H. ALLCROFT, M.A., and W. F. MASON, *Fourth Edition, Revised and in Part Rewritten* by J. F. STOUT, B.A. 4s. 6d.

"An accurate and capable manual for students."—*Speaker.*

Greece, History of: The Tutorial. By W. J. WOODHOUSE, M.A., Professor of Greek in the University of Sydney. 5s. 6d.

"The outcome of wide reading, high scholarship, and much original thought."—*Westminster Review.*

For other announcements of the University Tutorial Press, see pp. 484, 485.

Complete Educational Catalogue, and Catalogue of Class Books for the Oxford and Cambridge Locals, the Higher School Certificate, and London University Matriculation Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

London: Printed by C. F. HODGSON & SON, Newton St., Kingsway, W.C.2; and Published for the Proprietors by Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

No. 601.
Vol. 51.

LONDON, AUGUST 1, 1919.

PRICE 8D.: BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

**September 1919 issue ready on
August 30. Advertisement scale is on
page 531. The latest time for prepaid
Advertisements is**

AUGUST 22.

SCHOLARSHIP NOTICES.

See pp. 504, 506.

PHYSICAL TRAINING.

See pp. 503, 509, 510.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and p. 531.

UNIVERSITY TUTORIAL COLLEGE,
See p. 503.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See pp. 512, 523, 539.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

*President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.*

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
New Premises: 7, 9 & 10 Brunswick Sq., London,
W.C.1.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.

Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced

Hours for Interviews during August—

11.30 a.m. to 1 p.m., and 3 to 4 p.m.

Saturdays, 11.30 a.m. to 12.30 p.m.

When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W. 1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Soweist London.

TEACHERS' DIPLOMAS.

The COLLEGE OF PRECEPTORS holds Exam-
inations of Teachers for the Diplomas of Associate,
Licentiate, and Fellow of the College in London,
Belfast, Birmingham, Bristol, Cardiff, Cork, Dublin,
Glasgow, Leeds, Liverpool, Manchester, Newcastle-
on-Tyne, and Plymouth. The Theory and Prac-
tice of Education is an obligatory subject for
each grade. For Regulations apply to the SECRE-
TARY, College of Preceptors, Bloomsbury Square,
London, W.C.1.

PRELIMINARY EXAMINATIONS

FOR

MEDICAL, DENTAL,

AND

PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Ealing, Exeter, Margate,
Plymouth, Portsmouth, Sheffield, Southampton,
Southport, Sunderland, and York. For Regulations,
apply to the SECRETARY, College of Preceptors,
Bloomsbury Square, London, W.C.1.

University Correspondence College.

(Founded in 1887.)

PRINCIPAL: WILLIAM BRIGGS, LL.D.,
D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.

London University Degrees,

B.A., B.Sc., M.A., LL.B.,

B.Sc. (Economics).

(Graduates of British Universities and hold-
ers of certain diplomas can register as
matriculated students of London University
without passing the Matriculation Exam-
inations.)

A Short Guide

TO

LONDON UNIVERSITY EXAMINATIONS,

Post Free to Private Students from the

SECRETARY,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination

Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Over Thirty Tutors, Graduates
in very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1918 - 1893

Candidates in various Groups: **305** First
Class; **308** Marks of Distinction. Last
June nine-tenths of our Candidates suc-
ceeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-18 43
(Only two failures.)

Oxford Higher Local, 1903-18 - 178
Candidates in various Sections.

M.D. (Lond.), 1901-18 - 232
(Including 8 Gold Medallists
during 1913-1917.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1918-19. Valuable Lesson-notes introduced
before each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

All Persons Interested In Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1.).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Pædagogist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE).
13 PATERNOSTER ROW, LONDON, E.C.4.

Blackboards cannot become Shiny

in use, if covered with

Proctor's "Defiance" (Trade Mark) Slate Composition.

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

A BERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43, 10s., £38, 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY of ST. ANDREWS. UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 64 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES.—39 to 51 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—Miss C. P. TREMAIN, B.A.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL.

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

BRIGHTON.

GRAFTON HOUSE, Grafton Street, Marine Parade (door sea).—Homely board-residence. 10 bedrooms. Bath (h. and c.). Electric light throughout. Good table. Moderate.

DEAN FOREST.

SEVERN WYE VALLEYS; beautiful Holiday Home (600 feet up); spacious house, grounds; Bath, Billiards, Tennis. Motors, magnificent Scenery. Boarders 42/- to 50/-. Photos, Prospectus.—Littledean House, Littledean, Glos.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Comfortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.—The Misses WATSON.

KESWICK.

ENGLISH LAKES.—Guests received in country private house. Grounds. Near church, post, telegraph and telephone office. Climbing, boating, fishing. Lovely scenery. Moderate terms.—Miss SCOTT, Borrowdale Gates, Keswick, Cumberland.

LEIGH-ON-SEA.

THREE Paying Guests received. Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—Mrs. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB, 9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

30, 31, &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence: house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 5s. Bed and Breakfast. "En pension" from 2 guineas weekly. Telegs.: "Baggage, London." "Phone: Gerrard 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 22s. 6d. to 30s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home: good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsfield Road, East Twickenham, Middlesex.

See also pages 504 and 505.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.**

**SOHOLASTIO AGENCY for
JUNIOR FORM AND KINDERGARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
DARTFORD HEATH, KENT.**

Trustees:

Sir GEORGE NEWMAN, K.C.B., D.C.L.
The Marchioness of SALISBURY.
The Rt. Hon. CHRISTOPHER ADDISON, M.D., M.P.
The Hon. WALDORF ASTOR, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE, LL.D.

Principal:

Miss HILDA WALTON (Oxford Final Honour School,
English Language and Literature).

Vice-Principal:

Miss ALMA WIKNER (Royal Cent. Inst. of Gymnastics,
Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 23 acres.

The course begins in **October**. Further particulars may be obtained on application to the **SECRETARY**.

**INTERNATIONAL GUILD.
6 RUE DE LA SORBONNE, PARIS.**

CLASSES in the French Language,
Literature, History, and Phonetics.
Students are prepared for the Certificat d'Etudes Française of the Sorbonne, and the Diplôme d'Etudes Françaises of the Guild.
For further information apply to the **SECRETARY**.

**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours,
London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the **HEAD MISTRESS**.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of all grades should apply to—**THE EDUCATION SECRETARY, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.1.**

AGENCY ANNOUNCEMENTS

will be found also on pages
501, 507, 508, 511, 544, 549,
and 553-559.

PHYSICAL TRAINING COLLEGES will be found also on pages 509 and 510.

**University Tutorial College.
LONDON.**

(Incorporated with University Correspondence College.)



LONDON MATRICULATION.

SEPTEMBER, 1919.

A Morning Class for the September Examination is now working, and can be taken up at any time. A Revision Class, working both Morning and Afternoon, commences August 25th.

During the period of the War over 1,000 Students of U.T.C. have been successful in different Public Examinations.

LABORATORY WORK.

Practical Classes in Chemistry, Physics, Botany, and Zoology commence Tuesday, August 5th.

PRIVATE TUITION.

Private tuition may be taken up at any time, during the months of August and September, in all subjects for London University and other Examinations, or for Independent Study.

NEXT TERM COMMENCES SEPTEMBER 18TH.

Full particulars may be had, post free, from
**THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN, W.C.1**



**THE
ASSOCIATED BOARD**

OF THE
ROYAL ACADEMY OF MUSIC
AND THE

ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: **HIS MAJESTY THE KING.**

President: **H.R.H. THE PRINCE OF WALES, K.G.**

LOCAL CENTRE EXAMINATIONS (Syllabus A).
Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the November-December Examinations close Wednesday, October 15th, 1919.

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a year, viz., October-November, March-April, and June-July. Entries for the October-November Examinations close Wednesday, October 8th, 1919.

The Board offers annually **SIX EXHIBITIONS**, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.

Syllabuses A and B for 1919 or 1920, Entry Forms, and any further information will be sent post free on application to—**JAMES MUIR, Secretary,**

14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA. LONDON."

SPECIAL CORRESPONDENCE COURSES.

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. } 169 Correspondence
Exams., 1910-19 Students successful.

MR. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R.A.M.,
c/o Forsyth Bros., Deanagate, Manchester.

**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.**

President: **SIR FRANK BENSON,**

Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.,**

Royal Albert Hall, Kensington Gore S.W.7.

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

SUMMER TERM BEGAN MAY 3rd.

**SUMMER SCHOOL
OF SPEECH TRAINING,
AUGUST 1-16,
STRATFORD - ON - AVON
SUMMER FESTIVAL.**

**ASSOCIATION OF TEACHERS
OF
SPEECH TRAINING.**

Head Quarters: **ROYAL ALBERT HALL,
KENSINGTON GORE.**

President:

Miss **ELSIE FOGERTY, L.R.A.M.,**
29 Queensberry Place, South Kensington, S.W.7.

Secretary:

Miss **WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.**

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply—Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 501-510, 531, 539, 547, 549, 551, 552; [Halls of Residence] 502, 504, 505; [Physical Training] 503, 509, 510; [Summer Schools] 508; [Scholarships] 504, 506.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W.2.

TRAINING COLLEGE

(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANE HURBACH, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes; Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union. Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools. Diploma Students attend University Lectures. Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON),

CAMPDEN HILL ROAD, W.8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

ROYAL (DICK) VETERINARY COLLEGE, EDINBURGH.

Principal:

O. CHARNOCK BRADLEY, M.D., D.Sc., M.R.C.V.S.
97th Session opens 30th September.

COURSES OF INSTRUCTION

qualify for M.R.C.V.S. and B.Sc. Edin.
COLLEGE CALENDAR, with full particulars of Examinations, Bursaries, &c., may be obtained from—

F. P. MILLIGAN, W.S.,
Secretary.

MRS. CURWEN'S PIANCFORTE METHOD. BAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

New TRAINING CLASSES for MUSIC TEACHERS, held weekly, will begin each Term at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION.

In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W. 6.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A.
(Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 88 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

Principal: Miss M. H. WOOD, M.A., Litt.D.,

Classical Tripos, Cambridge, Girton College. A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaton Road, Cambridge.

Next term begins on September 20th.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council:

The Rev. Canon TEMPLE, D.Lit.

Principal: Miss B. S. PHILLIPOTS, Litt.D., O.B.E.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident £120 a year; non-resident from 30 guineas a year.

Next term begins October 1st, 1919.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination held annually in April.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W.3.

ST. GEORGE'S TRAINING COLLEGE

(Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W.4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.

2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.

3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.

4. TRAINING DEPARTMENT for Teachers of Housecraft. Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

MEDICAL PRELIMINARY EXAMINATIONS

THE

University Examination Postal Institution

provides courses in preparation for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes papers of questions, and answer-notes.

Oral lessons are also given.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C.1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Teachers'

Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

TRAINING COLLEGES and Technical Schools.

See also pages 501-510, 531, 539, 547, 549, 551, 552; [Halls of Residence] 502, 504, 505; [Physical Training] 503, 509, 510; [Summer Schools] 508; [Scholarships] 504, 506.

THE UNIVERSITY OF SHEFFIELD.

COURSES are held and **DEGREES** (Bachelor, Master, and Doctor) are awarded in the following Faculties:—ARTS (including architecture), PURE SCIENCE, MEDICINE, LAW, ENGINEERING (including Mining), and METALLURGY.

The Degree of Doctor of Philosophy (Ph.D.), is awarded in the Faculties of Arts, Pure Science, Law, Engineering, and Metallurgy. This degree is awarded on post-graduate study, and graduates of the University of Sheffield and other approved Universities are eligible.

DIPLOMAS are awarded in Modern Language Teaching, Education, Architecture, Domestic Science, Mining, Glass Technology.

ASSOCIATESHIPS are awarded in Engineering, Iron and Steel Metallurgy, and Non-Ferrous Metallurgy.

The University Hall for Women, Oakholme, Clarkehouse Road, stands in six acres of grounds, and affords all the advantages of collegiate life.

Entrance and Post-Graduate Scholarships are awarded each year.

W. M. GIBBONS, Registrar.

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE.

THE SESSION 1919-20, in the **FACULTIES OF ARTS, SCIENCE, MEDICAL SCIENCES, and ENGINEERING** will begin on **MONDAY, September 29th**; the **FACULTY OF LAWS** on **THURSDAY, October 2nd**. The Provost and Deans will attend on Monday, September 29th, and Tuesday, September 30th, from 10 a.m. to 1 p.m. for the admission of Students. Intending students are invited to communicate with the Provost as soon as possible.

THE SLADE SCHOOL OF FINE ART will open on **MONDAY, OCTOBER 6th**, and students may be admitted on or before that date.

The Courses in Intermediate Medical Studies are open to Women Students on the same terms as to men.

A Goldsmid Entrance Scholarship, tenable in the Faculty of Engineering (£30 for three years) will be competed for in September. Applications for entry forms must be made not later than September 10th.

The following Prospectuses are now ready and may be had on application to the Secretary:—

Faculty of Arts;
Faculty of Laws;
Faculty of Medical Sciences;
Faculty of Science;
Faculty of Engineering;
Slade School of Fine Art (Drawing, Painting, and Sculpture);
The Bartlett School of Architecture and
Department of Town Planning;
Department of Economics;
Department of Public Health.

Post-graduate and Research Work is provided for in all departments.

WALTER W. SETON, M.A., D.Lit.,
University College, London. Secretary.
(Gower Street, W.C.1.)

BIRKBECK COLLEGE

BREAMS BUILDINGS, CHANCERY LANE, E.C.4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)

FOR DEGREES IN

ARTS, SCIENCE, ECONOMICS, LAWS,
under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.

GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10. 10s.; Science, £17. 10s.
Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

Northern Counties Training School of Cookery and Household Economy,

NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.

School year begins September.

The Edinburgh School of Cookery and Domestic Economy. 5 Atholl Crescent.

FORTY-FIFTH SESSION, 1919-1920.

THE following Courses of Training can be taken:—

- I. TRAINING FOR TEACHERS IN COOKERY; LAUNDRY WORK, and HOUSEWIFERY—2 years and 2 terms.
- II. TRAINING OF TEACHERS FOR CERTIFICATE IN HIGH CLASS COOKERY—1 term.
- III. TRAINING FOR TEACHERS OF NEEDLEWORK, DRESSMAKING, and MILLINERY—2 years.
- IV. HOUSEWIFE'S TRAINING — 6 months.
- V. ADVANCED DIPLOMA FOR HOUSEWIVES—3 months.
- VI. HOUSEKEEPER'S TRAINING — 6 months.
- VII. ADVANCED DIPLOMA FOR HOUSEKEEPERS—3 months.
- VIII. COOK'S CERTIFICATE—3 months.
- IX. LAUNDRY MANAGERESS'S CERTIFICATE—4 months.
- X. TRAINING FOR PRINCESS LOUISE NURSES for CHILDREN—6 months.

Students are received for any number of selected lessons in Cookery, Needlework, Dressmaking, and Millinery, and Courses in Hygiene, Sick Nursing, &c.

The School is recognized as a Central Institution by the Scottish Education Department, and the Teacher's Diploma is recognized by the Education Boards of England, Scotland, and Ireland.

There are four Boarding Houses for Students in connexion with the School.

There is a large demand for Women holding the Diplomas and Certificates of this School, and Students have no difficulty in obtaining suitable situations at good salaries.

Full Prospectus on application to the PRINCIPAL, 5 Atholl Crescent, Edinburgh, who will give additional information and will advise as to the most suitable courses.

University of Durham.

ARMSTRONG COLLEGE, NEWCASTLE-UPON-TYNE.

Principal: Sir HENRY HADLOW, M.A., D.Mus., J.P.

SESSION 1919-20.

MATRICULATION EXAMINATION, September 16th-20th.

PARTICULARS of Curricula for University Degrees and College Diplomas in Engineering, Electrical Engineering, Naval Architecture, Mining, Metallurgy, Agriculture, Pure Science, Arts and Commerce, and of Fellowships, Scholarships, and Exhibitions, on application to

F. H. PRUEN, M.A., Secretary,
Armstrong College, Newcastle-upon-Tyne.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARTH ROAD, WEST KENSINGTON, LONDON, W. 14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Institut Français du Royaume Uni

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.1.

AFTERNOON LECTURES in French on French Music, Literature, Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

SPEECH TRAINING SCHOOL, NON-RESIDENTIAL

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.E.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams:

"Eurhythm, London."

Telephone:

Museum 2294.

In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. STOCKS, M.A.
Inclusive Fees, £57 to £66 per annum. Modern
Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

BRIGHTON COLLEGE.—An Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

HAILEYBURY COLLEGE HERTFORD.

THE Examination for Scholarships will begin

TUESDAY, NOVEMBER 4th, 1919.

For particulars apply to— THE BURSAR.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;

St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

CRANBROOK SCHOOL, KENT.

Head Master: Rev. C. F. PIERCE, M.A.
Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

NEWNHAM COLLEGE.—TWO

SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £30 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

See also page 504.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

BEDFORD SCHOOL.—Head

Master: REGINALD CARTER, M.A. An Examination will be held at Bedford on March 18th, 1919, for 4 Exhibitions £50-£40, and 6 Nominations £10-£20 for Boarders, and 4 for Day Boys. Apply for particulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EXHIBITIONS.—Seven Exhibitions are offered to Sons of Old Bedfordians on certain conditions. For particulars apply—HEAD MASTER, Bedford School.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

KING'S SCHOOL, CANTERBURY.

ENTRANCE and KING'S SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A.,
Coaches by Correspondence in French, History, English Language, and Literature, and Comparative Religion for Cambridge and Oxford Locals and other examinations.—The Rectory, Little Stukeley, Huntingdon.

HOCKEY COACHING, once weekly, offered in September to school girls or boys; ground at Acton Town. Write—PRINCIPAL, Queen Alexandra's House Gymnasium, Kensington Gore, S.W.7.

MISS MASOM, B.A. Honours,
Registered Teacher, prepares for Matriculation, Oxford and Cambridge Locals, Responsions in Mathematics and other subjects. Schools or privately. Successful experience. Highest testimonials.—207 Adelaide Road, N.W.3.

MADEMOISELLE MARIE
POUJAUD will be very pleased to give CORRESPONDENCE LESSONS in FRENCH, or to correct letters written to her. Eight letters £1. Address—Villa de la Source, Tilières sur Avre (Eure), France. Reference: Miss INGHAM, Moira House, Eastbourne.

Speech Training and Elocution.

MISS LAURA SMITHSON,
L.R.A.M. Elocution A., Director of Stratford-on-Avon Shakespeare Festival Summer School of Education. Recommended by Sir Frank Benson, Miss Lillian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W.8. North Country towns, including Newcastle-on-Tyne (Conservatoire of Music) visited weekly by Miss IVY SMITHSON.

MISS AGNES NIGHTINGALE,
Geography Cert. London School of Economics, Higher Froebel Cert., and author of "Visual Geography," "Visual Botany," &c., visits Schools for Geography, Botany, and elementary Science. Preparation for examinations.—89A Cambridge Gardens, London, W.10.

SCHOOL
WORLD

WANTED.—Parts
for MARCH, 1904 (Vol. 6).

MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C.4.

Continental Schools

COLLÈGE DE CANNES, PRÈS NICE (ALPES MARITIMES), FRANCE.

A fine new building, with every modern comfort. Private rooms. Three months' course giving fluent knowledge of French to foreigners. £21.8s. a term.

HOME SCHOOL IN THE

SOUTH OF FRANCE.—Miles MARIE GEORGES and CHARLOTTE HUGUENIN beg to announce that they can receive a few English girls in their Home School at La Roque sur Cèze in Languedoc, where individual teaching is given on modern lines. La Roque is a charming village situated on a tributary of the Rhone, in beautiful scenery. The pupils lead a healthy open-air life, in which mental and physical culture go hand in hand. Country excursions in the surrounding district are a special feature. Special attention is given to games and gymnastics, and also to useful handicrafts such as Gardening, Domestic Science, Bookbinding, and Applied Art. For terms, &c., apply to Mlle MARIE GEORGES, Ecole Foyer, La Roque sur Cèze (Gard), France.

EDUCATED GIRLS thoroughly trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—Miss IRONSIDE, Training Bureau, 50 Lincoln's Inn Fields, W.C.2.

MISS MARGARET E. BUCHANAN, Ph.C., M.P.S.

(Pharmaceutical Society's Silver Medallists),

MISS D. MAUGHAN, Ph.C., M.P.S.,

and MISS M. M. A. MORGAN, Ph.C., M.P.S.

Short Courses or Special Coaching can be arranged.

Address, by Letter in first instance: GORDON HALL, GORDON SQUARE, W.C.1.

CONTINUE TO TRAIN LADIES IN PHARMACY.

Former Students have gained the Pareira Medal, the Hewlett and Fairchild Scholarships, and the Martindale Medal in Pharmacy.

TRAINING COLLEGES and Technical Schools.

See also pages 501-510, 531, 539, 547, 549, 551, 552; [Halls of Residence] 502, 504, 505; [Physical Training] 503, 509, 510; [Summer Schools] 508; [Scholarships] 504, 506.

THE HORTICULTURAL COLLEGE, SWANLEY, KENT.

Scientific and Practical Instruction in Horticulture, Fruit Growing, Marketing and Packing; Farming, Dairying and Poultry Keeping, Bee-keeping, Fruit Preserving, and Domestic Economy.

The Diploma Course, two years.

Small Holders Course, two years: one year Horticulture; two terms Farming, Dairy and Poultry Keeping; one term Domestic Economy.

Landscape Gardening Course, two years.

Commercial Horticulture Course, one year: for women with previous experience, or as a second year to one of the College courses.

For particulars apply to the Principal.

**BEDFORD KINDERGARTEN CO., LIMITED,
AND TRAINING COLLEGE,
14 The Crescent.**

Council:

THE BISHOP OF BIRMINGHAM;
C. W. KAYE, Esq., M.A., late Head Master
Bedford Modern School.

Principal: Miss AMY WALMSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence for Students—Shenstone Lodge, Osborne House, and Magdala House.
Branch School—Froebel House, Goldington Avenue.

For terms and particulars apply to—
The Secretary, ALEXANDER MORRISON, 28 Hill St., Bedford.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S.

A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

Brunnaker Training Centre for NURSERY SCHOOL TEACHERS.

Principles and Methods of Nursery School work
Experience in a Babies' Hospital.

Attendance at a Welfare Centre.
Practical work in a Nursery School and Kindergarten. Gardening, Handwork, &c.

Courses begin SEPTEMBER 25th.
For Prospectus apply—THE SECRETARY,
Brunnaker, King's Norton, Birmingham.

GUILD OF EDUCATION AS NATIONAL SERVICE.

HALSEY TRAINING COLLEGE

(Recognized by the Board of Education)

FOR

Rural and Urban Day Continuation Work.

PREPARATION for work in DAY CONTINUATION SCHOOLS for Factory and Town Workers at Canning Town, E., where there are Voluntary Continuation Classes at the Hostel.

Preparation for work in similar schools for Rural and Farm Workers at Kenton, near Harrow. Hostel, Clubs, and Instructional Market Garden Farm.

Board of Education Grants available for Graduates and for Certificated Teachers (men and women). Ministry of Labour Grants for Training and Maintenance given to demobilized men.

Apply—Org. Sec., Guild of Ed. as Nat. Service,
11 Tavistock Square, W.C.1.

SCHOOL OF GARDENING, OLAPHAM, near WORTHING.

Principals: Miss C. CRACKNELL, late of Swanley
Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

ELOCUTION AND SINGING.—

CORDELIA COE (Cert. R.A.M.) gives Private Lessons in the above. Schools attended. Plays produced. For terms apply by letter—63 Biddulph Mansions, Maida Vale, W.9.

FOR SALE OR TRANSFER.

SCHOOLS (to purchase) wanted.—

(1) By French lady, diplômée, with long experience in English Boarding Schools. French Boarders' connexions. Capital £500. (2) English Mistress, Cambridge Higher Local, 10 years' first class School experience. Both willing to negotiate for partnerships with a view to succession.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. Client writes: "If I had enlisted your services at an earlier date, it would have been greatly to my advantage."

FOR SALE.—PREPARATORY

SCHOOL for boys and girls under 14 in Home Counties. 12 boarders, fees £75 to £90 per annum; 40 day pupils paying 7½ to 21 guineas. Premises stand in 6 acres of grounds in a bracing and healthy situation, within easy reach of London. Gross receipts £1,500 to £1,600. Goodwill £500; furniture at a valuation. School enjoys an excellent reputation and is warmly recommended. For further particulars apply—T 2,504, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

SCHOOL DAY CONNEXION,

within easy access of London, required by lady. Seven years' experience in Boys' Preparatory Schools. Capital £500.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. No charge to vendors unless business results. Client writes:—"My sincerest thanks for the promptitude and the businesslike way in which you have carried out the whole of the arrangements. I was recommended to you and shall not fail to recommend you to anyone who desires a trustworthy medium for a successful transfer."

FOR SALE.—PREPARATORY

SCHOOL and KINDERGARTEN for children under 13, in a first-class residential neighbourhood of Surrey. 70 pupils paying from 3½ to 5 guineas a term in addition to extras. Gross receipts nearly £1,200, net profit about £400. Goodwill £750; school furniture at a valuation. Vendor would accept £500 paid down, balance by instalments. For further particulars apply—T 3,006, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—First-class

BOARDING AND DAY SCHOOL FOR GIRLS in N.W. of England. 20 Boarders paying from 80 to 90 guineas per annum, exclusive of extras. 95 day pupils paying from 15 to 24 guineas per annum, exclusive of extras. Gross receipts between £4,000 and £5,000; net profit averages £700 per annum. Goodwill £1,000; furniture at valuation. Vendors would accept £500 down and balance by instalments, from suitable successor or successors. For further particulars apply—T 2,970, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

HIGH-CLASS GIRLS' PRIVATE

SCHOOL on South Coast required by gentlewoman, highly qualified and certificated; excellent scholastic experience. Capital £700.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. No charge to vendors unless sale effected. Client writes:—"For even-handed justice to vendor and vendee, your Agency deserves the high place it unquestionably holds."

See also pages 508, 549, and 554.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. *There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.*

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO,
9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).
Office Hours: 9.30 a.m. to 5 p.m.
Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m.
Appointments should be made when possible.

Telephone: Museum 3217. **Telegrams:** "Educatorio Grenville London."

Sale or Transfer.

See also pages 507, 549, and 554.

PARTNERSHIP.—Partner to take

charge of the educational side required for well-established Boarding and Day School for Girls on the South Coast. School quite full, with 30 boarders, paying from 66 to 75 guineas per annum, in addition to extras, and 90 day pupils, paying from 9 to 12 guineas, in addition to extras. Gross receipts last year over £3,700, net profit £600 per annum. Premises held on lease. Half share of goodwill £900, half share of furniture at valuation. Our client will accept £750 paid down and the balance by instalments. For further particulars apply—T 2,097, c/o Messrs. TRUMAN & KNIGHTLEY, Ltd., School Transfer Agents, 158-162 Oxford Street, London, W.1.

**TO BE SOLD BY AUCTION,**

Without Reserve,

August 7th, 4 p.m., at the

KING'S ARMS, NORTH WALSHAM, NORFOLK,
the above grand Residence,

standing in four acres of the most lovely grounds. Used as a Ladies' School. Established over forty years, having 100 pupils. By order of the Executor (ROBINS COOKE) to the late Miss Cooke.

TO BE SOLD, flourishing GIRLS'

SCHOOL, with House. Fashionable residential neighbourhood, West of England. Good house and garden. Over 30 boarders and 25 day pupils. Excellent opening. Address—No. 10,838.*

FOR DISPOSAL, English and SHORTHAND CLASSES in Paris. Twelve years' success. Apply—Mlle MAYOUX, 26 Rue de l'Exposition, Paris VIIe.

Partnership Offered.

PRINCIPAL of Girls' School in Midlands desires working Partner. Nominal capital, with view to succession. Address—No. 10,864.*

THE EDUCATIONAL BUREAU

**1 Sicilian House,
LONDON, W.C.1.**

Principals may become Members, £1 1s. per annum.

Assistants may become Associates, 5/- per annum.

Reduced fees for all business transacted for Members and Associated.

**Masters, Mistresses, Matrons, Transfers,
Pupils. Write SECRETARY.**

SUMMER SCHOOLS, 1919**ASSOCIATION FOR THE REFORM
OF LATIN TEACHING.**

PRESIDENT: DR. W. H. D. ROUSE, The Perse School, Cambridge.

A SUMMER SCHOOL

will be held this year at

OXFORD,

FROM SEPTEMBER 2nd—9th (INCLUSIVE).

Demonstration Classes.

Oral and Phonetic Group Practice.

Latin Author Reading Classes.

Lectures (and Discussion) on
Method, Archaeological Aids, &c

For fuller particulars apply to—

Mr. N. O. PARRY, 4 CHURCH STREET, DURHAM.

HOLIDAY COURSES.**INTERNATIONAL GUILD.**

6 RUE DE LA SORBONNE, PARIS.

JULY. AUGUST. SEPTEMBER.

PHONETICS every day. Conversation, Grammar, French History and Literature.

For Prospectus, apply to the SECRETARY.

To Arts and Crafts Teachers.

HAND-LOOM WEAVING. By LUTHER HOOPER. ("The Artistic Crafts Series.") Advertiser wishes to buy a second-hand copy of above book. Address—No. 10,790.*

FOR SALE.—English, French, and Italian books and general literature, half price, almost new. Address—No. 10,866.*

Posts Wanted.

REQUIRED, after Christmas, post as **MATRON HOUSEKEEPER.** Would take entire charge of School Boarding House or Students' Hostel. Thoroughly experienced in care of girls' health and household management. Good testimonials. Good salary required. Address—No. 10,860.*

**STAMMERING
PERMANENTLY CURED**

by a Novel System of Speech Drill.

Instruction given to School Teachers and Tutors. Highest credentials from the principal Public Schools. Address—

Mr. J. HERBERT MIALI,
209 OXFORD STREET, W.1.

L. R.A.M. and A.R.C.M. Teaching
L. Singing Exams. Special Correspondence Course and personal tuition. Complete preparation. Pupil writes: "Your Course is excellent, and my singing work has greatly improved, thanks to your tuition.—A. F."—Mr. W. LEE WEBSTER, L.R.A.M., A.R.C.M. (Teaching Singing), 22 Lucknow Avenue, Nottingham.

STREATHAM HILL HIGH SCHOOL

(Girls' Public Day School Trust),

WAVERTREE ROAD, STREATHAM HILL, S.W. 2.

**MUSIC TEACHERS'
TRAINING DEPARTMENT.****A Short Holiday Course**

illustrating various aspects of modern music-teaching in schools, will be held at the above School, from

MONDAY, SEPT. 8th, to SATURDAY, SEPT. 13th,
inclusive.

SUBJECTS AND LECTURERS.

1. The Appreciation of Music. Mr. STEWART MACPHERSON.
2. Aural Training, including Rhythmic Movements for Young Children. Miss ELSIE MURRAY.
3. Pianoforte Teaching. Mr. FREDERICK MOORE.
4. The School Choral Class. Dr. H. W. RICHARDS.

Full particulars may be obtained from Miss KENNETT-HAYES at the School, after July, at 5 Oriel Street, Oxford.

DALCROZE EURHYTHMICS.

The SUMMER SCHOOL will be held at
OXFORD,

August 4th to 16th inclusive.

Prospectus on application to THE DALCROZE SCHOOL OF EURHYTHMICS, Limited, 23 Store Street, London, W.C.1.

Posts Wanted—continued.

MUSIC MASTER, in important School (demobilized officer), is free to undertake some visiting musical work in Edinburgh neighbourhood. High qualifications and experience. Address—No. 10,859.*

MODERN LANGUAGE MIS-
TRESS seeks post, in or near London, in September. French University Diploma. German and Russian acquired abroad. Five years' teaching experience in London schools. Direct Method. Visiting considered. Address—No. 10,868.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASIAC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GEORGE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA COLLEGE OF PHYSICAL EDUCATION FOR WOMEN. (SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard. Applications for admission next term should be made now.

Apply for Prospectus to Miss DORETTE WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

New Session begins Tuesday, September 30th, 1919.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S PHYSICAL TRAINING COLLEGE, WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W. 1.

EXAMINATIONS for the Society's

Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE. Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

See advertisement on page 503.

TRAINING COLLEGE FOR Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W. 11. Tel.: PARK 3948.

PHYSICAL TRAINING COLLEGE LOWER REDLAND ROAD, BRISTOL.

TRAINING in Swedish and British Gymnastics for public examination. Tennis, Hockey, Cricket under a County player. Swimming, Massage and Remedial Gymnastics under a certificated Masseuse. Anatomy, Physiology, Hygiene.

Dancing, Ballroom and Ballet, Dalcroze Eurhythmics.

Students prepared for the advanced certificate of The English Folk Dance Society.

Residential fees on application to—The Misses JENNINGS, HOLBROW, and COLSON.

For other Physical Training Advertisements see pages 503 and 510.

PHYSICAL TRAINING

See also pages 503 and 509.

PHYSICAL TRAINING COLLEGE,
QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W.7.

EDUCATED GIRLS TRAINED
As TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PORTLAND ROAD GYMNASIUM, London, W.—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHE, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, Highcroft Gardens, Golder's Green, N.W.4.

FOR IMMEDIATE DISPOSAL.—A very good GYMNASIUM and DANCING PRACTICE. Present owner has had it for 9 years. Disposal owing to health. Large well-fitted Gymnasium and Medical Room. Good railway centre. Gymnastics, Dancing, Swimming, Games, Remedial Exercises, and Massage. Profits during last year over £250. There would be work enough for two. Address—No. 10, 869, * Care of Mr. WILLIAM RICE, 3 Ludgate Broadway, London, E.C.4.

Posts Wanted—continued.

AS MODERN LANGUAGE MISTRESS (age 27), B.A. degree honours. Gold medal for colloquial efficiency in French and German. Teacher's diploma. Warmly recommended.—M.T.C., HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. Others. List gratis in exchange for full particulars of requirements.

Swedish Physical Training Course,

commencing at Stockholm 1st September,

UNDER DIRECTION OF

Captain HAROLD OLSSON,
(late Officer Instructor A.G.S., Aldershot).

Prospectus and full particulars on application to—

MARTIN OLSSON & SONS,
32 Bishopgate,
London, E.C.2.

Posts Wanted—continued.

SCIENCE and MATHEMATICAL MISTRESS seeks re-engagement. Qualified to take General, Elementary, Household, and Social Science. 12 years' experience; Schools (Boys' and Girls'). Replaced Science Master during the War.—S.M.M., HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. Others. List gratis in exchange for full particulars of requirements.

AS SENIOR MISTRESS, age 33 (an old Notting Hill-ite), seeks re-engagement. Successfully coaches for Matriculation and Oxford Locals in Mathematics, Botany, Chemistry. Excellent testimonials. Salary £150 resident.—V.S.S., HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. Others. List gratis in exchange for full particulars of requirements.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,
Intermediate Arts and B.A.,
Intermediate Science and
B.Sc. (Theoretical Subjects only),
L.L.A. (St. Andrews),
College of Preceptors' Diplomas.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

GEORGE GILL & SONS, Ltd.

A SELECTION FOR 1920.

The Oxford and Cambridge Edition.

RELIGIOUS KNOWLEDGE SECTION.

The Contents, in addition to other features of the Religious Knowledge Section of the Oxford and Cambridge Edition, include:—
Introduction, embodying Analytical Notes, Characteristics and Peculiarities of the Book; Historical, Biographical, and Geographical Notes.

The Text, with Marginal and Foot Notes, suggested by the requirements of the Examinations.

Critical Notes, quoted from the Authorities.

Glossary of Words and Phrases, explanatory of the Text.

COMPARISON BETWEEN THE AUTHORIZED AND REVISED VERSIONS, SHOWING REASONS FOR THE CHANGES, &c.

WHERE ADVISABLE, THE GREEK HAS BEEN GIVEN.

Edited by Rev. F. MARSHALL, M.A. s. d.

Gospel of St. Luke. Maps of Palestine, Sea of Galilee, Galilee, Jerusalem, Environs of Jerusalem, Temple; Special Introduction ... 2 3

Acts of the Apostles. Chapters xiii-xxviii. Specially prepared for Students taking the Life of St. Paul. Separate Maps of each Missionary Journey, Voyage to Rome; Geographical and Biographical Notes ... 2 3

Gospel of St. Luke. (Oxon. and Cantab. Edition) ... 1 6

Acts of the Apostles. Chapters xiii-xxviii. (Oxon. and Cantab. Edition) ... 1 6

Book of Genesis. ... 1 6

Book of Exodus. Maps of Palestine, Sinaitic Peninsula, Egypt, Diagram of Tabernacle, Route of the Israelites; Special Historical Narrative ... 2 3

First Book of Kings. Full Account of Solomon's Reign; the Schism; the Two Kingdoms; Special Maps; Diagram of the Temple ... 2 3

Book of Ezra. ... 1 6

Book of Nehemiah. ... 1 6

Book of Haggai. Cr. 8vo ... 1 0

The Prayer Book. With Notes, &c. 176 pp., Cr. 8vo ... 1 6

The Church Catechism. With Notes and Illustrations. Specially written as a guide for Students ... 2 3

Examination Papers of St. Luke. In Packet form, loose: 32 Junior Papers, 32 Senior. Each Paper different ... 1 0

Examination Papers on the Acts of the Apostles. In packet form, loose: 36 Junior Papers, 36 Senior. Each Paper different, covering the whole of the Acts. Per Packet ... 1 0

Complete Educational Catalogue and Specimen Pages post free.

LONDON: GEORGE GILL & SONS, Ltd., 13 WARWICK LANE, E.C.4.

The Oxford and Cambridge Edition.

ENGLISH SECTION.

The chief features of this Section include:—

Notes, dealing with dates of Composition, Editions published, Anachronisms, Characteristics of the Work, and Character Sketches.

The Text, with Marginal and Foot Notes.

Supplementary Notes. Verification, with Examples specially pertaining to the Book. **Grammatical Notes** on the Grammar of the Period. **Classical and other Allusions.** **Glossary** of uncommon words. **Examination Papers.**

SHAKESPEARE. s. d.

Tempest. Edited by STANLEY WOOD, M.A., and A. SYMS-WOOD, B.A. 288 pp., Cr. 8vo ... 2 3

Hamlet. Edited by STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo ... 2 3

Julius Caesar. Edited by STANLEY WOOD, M.A., and A. SYMS-WOOD, B.A. Fully Illustrated by Maps and Zinco Engravings. 256 pp. ... 2 3

Merchant of Venice. Edited by STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo. ... 2

Twelfth Night. Edited by STANLEY WOOD, M.A. 212 pp., Cr. 8vo ... 2 3

King John. Edited by Rev. F. MARSHALL, M.A., and R. G. GILL, B.A. 212 pp., Cr. 8vo ... 2 3

Midsummer Night's Dream. Edited by STANLEY WOOD, M.A. With Illustrations supplied by Sir H. BEERBOHM TREE. 192 pp., Cr. 8vo ... 2 3

MILTON. Ready Aug. 30, 1919.

Comus. Edited by Rev. F. MARSHALL, M.A., and R. G. GILL, B.A. ... 1 6

Comus, Lycidas and English Sonnets. Edited by Rev. F. MARSHALL, M.A., and R. G. GILL, B.A. ... 2 3

MACAULAY.

Horatius, Lake Regillus and Armada. Edited by G. PRESTON, M.A. 156 pp., Cr. 8vo ... 1 6

DEFOE.

Robinson Crusoe. Part I. Edited by A. J. SPILSBURY, M.A. 318 pp., Cr. 8vo ... 2 3

SCOTT.

Lay of the Last Minstrel. Edited by Rev. F. MARSHALL, M.A. With Texts, Notes, Map and numerous Illustrations. 256 pp., Cr. 8vo ... 3 0

Lay of the Last Minstrel. Edited by Rev. F. MARSHALL, M.A. Introduction, Cantos i, ii, iii, Cr. 8vo ... 1 0

SCHOLASTIC APPOINTMENTS

University Men and Women seeking scholastic appointments should apply to

Truman & Knightley
SCHOLASTIC AGENTS LTD

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions pleasant, and the holidays are long. Salaries range from £50 to £100 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student, Junior Mistresses, and House Governesses or Duty Mistresses at salaries of from £30 to £50 per annum with board and residence.

There is a separate department for
LADY MATRONS and HOUSEKEEPERS
for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

University Tutorial Press.

Some Educational Text-books published during the War.

A Social History of England.

By **FREDERICK BRADSHAW**, D.Sc. Lond., M.A. Oxon., Lecturer in Economic History at Armstrong College, Newcastle-on-Tyne.
Price 5s.

The primary object of this volume is to supply within reasonable compass a text-book suitable for use in Colleges and Upper Forms of schools, and dealing with such matters of social and economic history as are not to be found in the ordinary history text-books, which as a rule devote themselves solely to political and constitutional topics.

"An exceedingly interesting and valuable little book . . . a book of high authority and serviceableness."—*The Journal of Education*.

Groundwork of Logic.

By **JAMES WELTON**, D.Lit. Lond., M.A., sometime Professor of Education in the University of Leeds, Author of "A Manual of Logic," "Principles and Methods of Teaching," &c. With Glossary of Technical Terms, Questions, and Exercises. Price 4s. 6d.

This Book is an attempt to meet the demand for an elementary text-book of logic suitable for beginners in that subject, written on modern lines and embodying the established results of modern thought.

"This book approaches logic on more human grounds than mere formalism, and draws its illustrations from subjects of permanent interest."—*Times Educational Supplement*.

Advanced Text-book of Magnetism and Electricity.

By **R. W. HUTCHINSON**, M.Sc., A.M.I.E.E., Joint Author of "Technical Electricity," Principal of the Municipal Technical School, Smethwick. Price 10s. 6d.

This book contains a full treatment of the subject from both the practical and theoretical points of view, up to the standard of Pass Degree Examinations. Special care has been taken to embody all the distinctive results of modern research, as well as the main principles of its technical applications.

"The text is carefully written; the diagrams are clear and abundant. The book can be heartily recommended."—*Science Progress*.

"The chapters on radioactivity, the passage of electricity through gases, and electron theories are well written."—*Nature*.

An Anthology of English Prose.

For use in Schools and Colleges. By **S. E. GOGGIN**, M.A., and **A. R. WEEKES**, M.A. Price 3s. 6d.

Illustrates first the development of our prose in scope and subject, from the days when it was a mere drudge to its present predominance; secondly, illustrates its development in point of style; and thirdly, gives such an idea of the work of our great writers as shall incite the student to read them for himself.

"Within its limits the choice of writers could not well be bettered. The editors have compiled a very useful book, allowing each of their chosen writers to incite his readers to learn more at first hand about his work."—*Saturday Review*.

A First Course in Mathematics for Technical Students.

By **P. J. HALER**, B.Sc., A.M.I. Mech.E., A.I.E.E., and **A. H. STUART**, B.Sc., F.R.A.S. Price 2s.

Adopted by the Air Board for use in the Royal Flying Corps. A simple and practical course on the rudiments of Mathematics suitable for students preparing for a course of technical study.

"An admirable book for technical students. The reasoning is clear and correct and the examples and illustrations deal more than usually with practical workshop questions."—*Practical Engineer*.

Electrical Engineering, Continuous Current.

By **W. T. MACCALL**, M.Sc., A.M.I.E.E. Price 13s. 6d.

The book is intended to supply all that is required in the ordinary three years' day course in Technical Colleges, and all that is usually done in evening classes. It is concerned mainly with engineering practice, but contains also a sufficient amount of electrical science to form the necessary theoretical basis.

"Well above the standard usually found in books which cover such a wide field; it can be thoroughly recommended, both to engineers and to students. The chapters on illumination and lamps are very good indeed."—*Nature*.

Engineering Science, A First Course in.

By **P. J. HALER**, B.Sc., A.M.I.M.E., A.I.E.E., and **A. H. STUART**, B.Sc., F.R.A.S. Price 3s. 6d.

Adopted by the Air Board for use in the Royal Flying Corps. Includes the elements of Applied Mechanics and Heat.

"Clearly written in an interesting manner and copiously illustrated. Altogether this is an excellent little book."—*Wireless World*.

Preliminary Geometry.

By **F. ROSENBERG**, M.A., B.Sc. With or without Answers. Price 2s. 9d.

This is a book for beginners. The language used is simple, and technical terms are reduced to a minimum; further, the text is rendered attractive to the eye by wide spacing and the avoidance of crowding.

"If we had learnt geometry from this book we should have learnt it very much more easily, and we believe should have understood it very much more thoroughly."—*Eastern Engineering*.

Educational Handwork, or Manual Training.

By **A. H. JENKINS**, First Class Diploma in Manual Training of The City and Guilds of London Institute, Diploma of Slojd School, Näås (with special Abrahamsen Medal), &c. Price 3s. 6d.

The object of this book is to give—for the first time in a single volume—an account of all the different branches of Educational Handwork commonly practised in schools. The book is well provided with illustrations, and all the exercises given have actually been executed under the conditions laid down in the book.

"The book bears evidence of a thorough grasp of school requirements; it is sound, practical, and full of common-sense hints as to procedure."—*Manual Training*.

Teaching. Its Nature and Varieties.

By **BENJAMIN DUMVILLE**, M.A., F.C.P., late Master of Method and Lecturer on Education in the Islington Day Training College. Price 5s. 6d.

This book differs fundamentally from almost all existing books on the subject of Teaching. It is an attempt to analyse the processes of teaching as they occur in all subjects; hence the author examines the nature of the teaching itself, showing why certain methods should be employed.

"A sane orthodoxy is the prevailing note of the book . . . clear, moderate, careful, well-balanced, and touches most of the main problems of teaching."—*Journal of Experimental Pedagogy*.

Complete Catalogue of Educational Books post free, on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

CONTENTS.

	PAGE
OCCASIONAL NOTES	513
HOW TO FIND CAREERS FOR SECONDARY-SCHOOL BOYS	516
PERSONAL PARAGRAPHS	517
TOPICS AND EVENTS	518
FOREIGN AND DOMINION NOTES	520
CORRESPONDENCE	522
Religion and the Classics; The Superannuation Act; the Compilation of Statistics.	
BOOKS OF THE MONTH	524
THE NEW GERMANY. BY PROF. L. W. LYDE...	531
SCHOOL PUNISHMENTS—I. BY W. F. BUSHELL	532
WHY ARE NOT MODERN LANGUAGES RESPECTED? BY G. F. BRIDGE	534
REVIEWS AND MINOR NOTICES	536
The Intuitive Basis of Knowledge (Lossky); History of Modern France (Bourgeois); Latin Epigraphy (Sandys); The Measurement of Intelligence, and Test Material for the Measurement of Intelligence (Terman); The English Public School—a Symposium (Whitehouse); Psychology and Parenthood (Bruce).	
UNIVERSITIES AND SCHOOLS	540
PRIMARY SCHOOL NOTES	546
PRIZE COMPETITIONS	550

OCCASIONAL NOTES.

WE welcome the announcement that there is to be a Government inquiry into the organization of Oxford and Cambridge, in connexion with the acceptance of Parliamentary grants by those bodies. How far the investigation will extend is not yet clear, but it can scarcely be confined to the allocation of the public money amongst the many deserving objects which require help. There are at least four great questions which demand immediate consideration. First and foremost comes the problem of how to open the doors of the ancient Universities to poor men, including those whose intellectual abilities are not such as to secure them a scholarship. It is hardly necessary to add that we do not regard the expression "poor men" as synonymous with "sons of working men." The poor professional and business men find it quite as difficult as miners and railway men to give their children a University education; no classes in the community are more hardly pressed than ministers of religion and schoolmasters. Next comes the question of the position of women in the University. The time is surely ripe for the granting of degrees to both sexes on equal terms and for the incorporation of women's colleges in the Universities. As a third great problem stands the vexed question of the government of the University, and the constitution, functions, and powers of the assemblies of resident teachers and of the graduates respectively. Lastly, the development of the modern schools, such as those of science, engineering, oriental languages and modern languages, will demand attention. In this connexion, the whole question of the relations between trade and commerce, on the one hand, and a liberal education,

on the other, requires investigation. One of the peculiar problems for the Universities to-day, indeed, is how to reconcile preparation for business with philosophic and mind-forming studies, and the special problem for Oxford and Cambridge is how to encourage new subjects by scholarships and prizes without injuring that heritage of literary study which is their peculiar glory. For we do not wish to see Oxford and Cambridge revolutionized or assimilated to any other type of University, whether here or in other countries. The excellence of our ancient Universities is unique. Whether it is a greater or a less excellence than that of other Universities may be a matter of opinion, but no one will deny that it is unique, and that the world would be poorer for its loss.

THE Board of Education still shrink from shouldering the responsibility for continuation schools which Parliament, at their own instance, has laid upon them.

The Continuation Schools again.

Meanwhile, and by way of keeping the pot simmering, they make a show of activity in every direction but the right one. Like the festive gentleman who would do anything "in reason" but would not go home, they are willing to do everything except their duty. Mr. Fisher, for example, has recently requested the personal assistance of the Chairmen of the Local Authorities for the establishment of continuation schools on a voluntary basis. Last year's Act was not passed to enable Local Authorities to start schools on a voluntary basis. It was passed because of the admitted failure of voluntary efforts in face of the national need. The continuation schools, when we get them, cannot but increase the cost of adolescent labour, and to a greater or less degree they must for a time impede the working arrangements of shops and factories. That may be a reason for postponing their creation; if so, let it be said, and a definite postponement resolved upon. The obstacles are national in character, and can only be removed by national action. It is as futile as it is unfair to the Local Authorities that the Board should endeavour to engage them in a game of "this to you for the necessary action, please!"

THE unconventionality of the official "Note on Teaching in Continuation Schools as a Career" deserves praise, even though we may think it is not unconventional enough. The hope of en-

Continuation School Teaching.

listing teachers from the now rapidly demobilizing army is fading. The prospect is too unsure to tempt a man who has already given hostages to fortune. So the Note is addressed to the young people who still have freedom of choice. The style is admirable—serious, simple, and yet not condescending. But the tones of the picture are too subdued. It suggests a pleasant and withal a useful occupation, a competence modest but sufficient, security against a penurious old age, and as a sop to ambition the possibility of attaining the headship of a similar school. The elderly spinster may be attracted to so obscure and safe a haven: what has it to offer to the youth of to-day eagerly straining for the trumpet call "to life, to cities, and to war"? Yet the appeal could be made: the appeal of a great profession steadily rising in the public esteem with the keys of the future in its girdle, offering a career which is not bounded by the walls of the school. Was not the President himself a teacher once, and is not the road open for the teacher to high administrative

positions of all kinds? But that kind of appeal would probably be turned down by the permanent officials, who disrelish the idea of self-government, which none the less will carry us far, even in one day. So the Note will lie for the most part unheeded.

THE truth is, that the activity of those who hesitate to grapple with their real problems is doomed to be as sterile as the crackling of thorns under the pot.

The Next Step.

Until the Board are prepared to say that the continuation clauses of the Act shall take effect, it may be only partial effect from a given date, no one will credit them with being in earnest about the business, and their own doubts will spoil the little good they do. We have before pointed out that they may fix the appointed days for the various Authorities separately and differently for different industries. There are industries which are markedly localized. Let the Board make up their mind to start with one of these, and, having decided, after a careful survey of the conditions, which is to be favoured, let them call together the Local Authorities who will be affected and the leaders of the employers and employés, and announce their decision. Or let them select the areas of a few Authorities in which the administrative and educational problems are of more manageable dimensions, and in which the prevailing type of employment is such that the question of competition within these islands is of minor importance, and let them demand a start there. Then we could be sure—Local Authorities, administrators, and teachers—that the curtain was going up on the night, and that we could set the scenes and learn our several parts, with confidence that our labour would not be wasted. It is not yet the rule to pay for rehearsals, and there must be much rehearsal for this play. Do the Board really imagine that we are going to begin before the contract is signed?

MORE than once in recent months we have expressed our views on the method of the strike as employed by teachers, and we observe with great regret that it still seems to find favour among a considerable section of the profession. We are

Teachers' Strikes.

glad to note that Mr. Fisher, in his recent address to the teachers of Dorsetshire, took exactly the view which we have ventured to urge in these columns. No one can say that Mr. Fisher is not a friend of the teachers. Most of us would probably say that he is the truest, as well as the most powerful, friend that the teachers ever had in high places. But he warns us that a teachers' strike, unlike any other strike, injures not the employers, who lose nothing by it, but the children, who lose a very great deal, and the teachers themselves, who may lose incalculably in moral prestige, and ultimately in professional prospects. It is no answer to say, as we understand *The Schoolmaster* to say, that moral influence ought not to be expected from teachers alone, but from Education Committees as well. The locked-out children who swarm the streets of certain areas know nothing of Education Committees, and even their parents are apt to see these matters through the children's eyes. Except in a very indirect sense, one may as well talk about the moral influence of the moon as about that of an Education Committee. Moral influence is essentially personal influence, and it is just there that teachers on strike stand to lose irreparably.

GREATLY as we deprecate force as a remedy for teachers' grievances, we would still urge upon the employers of teachers—i.e. upon the Local Education

The Responsibility of Local Education Authorities.

Authorities—how great a responsibility lies upon them in these days of collective action. Assuming, as we suppose we may do, that *The London Teacher* fairly reflects the present frame of mind of the teachers of the metropolis, the position there is obviously serious. The remarks of the editor betoken a studied restraint which cannot but command respect. Yet he tells us that "the blight of despair hangs over the London teaching service," that "the teachers are bruised in spirit and sore at heart," and that two years ago "mutiny was averted only by arbitration." He believes that the London County Council, as a body, desire a contented teaching service relieved from penury, and that a majority of the Council are anxious to see justice done to the teachers. We welcome the improvement in salaries on which the Council have just decided; but the Council is a large body, the rank and file of which are accustomed to follow their leaders, and there is clearly a lurking fear lest those leaders should "gamble on the docility of the teachers." The warning here conveyed, and conveyed with a due sense of responsibility, is unmistakable. We trust that it will not be lost upon the Council, but that they will realize the vital importance of doing everything that is reasonable and just for the teachers in their employ.

WE are glad to see that in the new scale of salaries recently adopted by the Brighton Town Council for teachers in all institutions and schools the principle of a grace term has been adopted. The

Grace Terms for Teachers.

Departmental Committee on salaries in secondary schools strongly advocated the grace term, in order that teachers might keep themselves abreast of advances in knowledge by undertaking original work or research. The Brighton scheme goes slightly further than this by approving the principle that one grace term on full salary should be given to a teacher every seven years, and that the principle should be put into operation as soon as the staff of the schools is normal. In the first instance, preference will be given to those prepared to use such a term in travel, or in a course of study or research. Perhaps "research" is rather an exaggerated description to use for anything that can be undertaken in one term, but no doubt the period might be extended in suitable cases. The main thing, however, is that the principle should be approved. Teaching is admittedly work which makes large demands on the nervous system, and unless teachers make deliberate effort to maintain freshness of outlook, not only is there great danger that in the course of years the standard of knowledge will fall behind; but there is a serious risk of the growth of general staleness, and it is right that this should be recognized by providing facilities for a period of refreshment, though it is equally right that preference should be given to those who are prepared to make the best use of it. It is also to the good that travel is specially mentioned, since to many temperaments wisely planned travel is more stimulating and inspiring than more formal courses of study.

THE syllabuses for the Intermediate Science Examination for External Students have recently been approved as alternative syllabuses for the Higher

Higher School and Intermediate Examinations.

School Examination of the University of London, and pupils in secondary schools may now obtain this Intermediate Science Certificate by passing in the requisite number of subjects at the Higher School Examination. Moreover, in certain circumstances, such candidates who at the Higher School Examination have not completely qualified for this Intermediate Science Certificate may complete the Intermediate Examination in Science for External Students by taking an additional subject at any such subsequent Intermediate Examination. It is important to remember that higher school examinations were originally intended for secondary-school pupils who remained at school until eighteen years of age, either to complete their education or to proceed later to one of the Universities to undertake work for a degree in honours. They were designed, too, to test pupils pursuing advanced courses in schools assisted by the Board of Education. The advanced courses and the higher school examinations were such as to provide a reasonable amount of specialization, while demanding some continuation of general study. The concession now allowed is not of the kind, we fear, to encourage secondary-school pupils in London to proceed to one of the constituent colleges of the University to follow an Honours course. What the teachers are very naturally demanding is that their pupils should be allowed to take the Higher School Examination on the broad lines originally intended, and, having qualified in it, be altogether excused any sort of intermediate examination after entering college.

LONDON University is about to establish degrees in commerce. Provisional regulations have been issued, though they are still incomplete, for of two important subjects—history and accounting—there is as yet no syllabus. Otherwise the regulations appear thoroughly satisfactory; they should, if wisely administered, bring into being a degree that satisfies both city and University. Such a degree will exert a powerful influence on education; it will become a hallmark to be obtained by the students of commerce in training; it will direct the energies of those seeking a scheme of work for would-be students of commerce; and, perhaps most important of all, it will help to bring about a better understanding between the city and the University, and a closer union between education in the schools and the everyday life their pupils have to lead when their school days are over. The scheme has been generously welcomed by influential interests in the City of London, and the future is full of promise. There is but one doubt, and it is due to recent experience. Teaching seems to stereotype both subjects and men; a business man who becomes a teacher rapidly becomes a theorist; the academic element on the Committee of Management, accustomed to the conduct of examinations, may acquire undue influence even though outnumbered, and the degree if too academic will at once lose its usefulness. The obvious check upon this unfortunate tendency in education is the submission of all papers as well as schemes of examination to men still actively engaged in commerce.

SWIMMING claims advantages over all other forms of physical exercise for both sexes. Whilst invigorating mind and body, it inculcates a love of clean-

Instruction in Swimming.

liness and induces self-reliance. Diving, in particular, trains the nerves and gives ease and grace to the motion of the limbs, while it is noteworthy that experts in high diving make good airmen. If, however, boys and girls in our secondary schools are to derive the full value from swimming, efficient instruction must be provided for them. Quite good results can be obtained by instructors who are moderately good swimmers, or even by non-swimmers who are enthusiasts, provided that they have the necessary knowledge of the correct strokes. All interested in swimming should obtain a copy of "Swimming Instruction," by F. Baxter, issued by the Amateur Swimming Association, and just published by Messrs. Simpkin & Marshall (1s. net). It gives full instruction in land and water drills for class teaching of the most modern strokes, and is illustrated by kinema photographs. The methods are designed to simplify teaching and to shorten the time necessary to reach proficiency. The new strokes have been put to exhaustive tests, and have been found to give the maximum results with minimum effort.

AN important point raised at the recent Conference of the Montessori Society on Nursery Schools was the relationship between nursery schools and infant schools. Is it intended that nursery schools should supplant infant schools, or merely supplement them? At present the infant schools are actually in possession. In London alone they take in about 40,000 children between the ages of three and five. At one time they took in twice that number. It must be remembered, too, that a nursery school is small and attractive—and very expensive. Desirable as a complete scheme of nursery schools would be, is there any reasonable hope of its fulfilment during the present generation? In the meantime teachers in infant schools are wondering whether their work is to be crippled by a policy of parsimony and neglect, while the work of nursery schools receives abundant support. All these teachers rejoice in the awakened national interest in the nurture of young children, they rejoice in the good fortune of the nursery-school children, but they would like to see their own pupils attracting some of the attention and receiving some of the benefits.

IN an article on "A Liberal Education in Secondary Schools," in the July issue of the *Parents' Review*, Miss Charlotte M. Mason, of the House of Education, Ambleside, describes certain discoveries she and her staff have made. One of these is "that a single reading suffices to secure a clear knowledge (as far as it goes) of a subject, given the right book." Elementary-school children even have, we are told, shown "themselves able to hear or read a work of literary value, and after a single reading to narrate pages with spirit and accuracy, not hedging at the longest names nor muddling complicated statements." Miss Mason dwells on the single reading, she says, because "it is impossible to fix attention on that which we have heard before and know we shall hear again." Another of the discoveries is "that the mind refuses to know anything except what reaches it in more or less literary form." "We have shown that the mass of knowledge acquired in a term from the proper books, evoking vivid imagination and sound judgment, is many times as great, many times more thoroughly visualized

Reading and Education.

by the scholars, than had they waited upon the words of the most able and effective teacher. This is why we insist upon the use of books." Miss Mason publishes a large selection of examination answers, presumably as evidence of the justice of her claims, but we fear they are not entirely convincing; and we gather that up to the present she herself has made the choice of books suitable for each age to secure the results she claims.

A PART from the claim that having secured the right book a single reading is enough to impress its teaching and information upon the mind of a child, we have much sympathy with Miss Mason's plea for a course of wide and varied reading. But a necessary preliminary to such a course is, we think, the formation of the habit of intensive and concentrated attention, which by no means comes naturally to the great majority of children, or even adults. Wide reading in many subjects may be excellent for the trained mind of the well educated person, but to attempt to educate children by allowing them to read once only a great variety of books on a wide range of subjects will appear to most experienced teachers unwise and vain. At present Education Authorities will, we surmise, retain the services of able and effective teachers, who will see that individual reading is given its due and proper place in the education of the young, but that other equally important methods are not ignored.

HOW TO FIND CAREERS FOR SECONDARY-SCHOOL BOYS.

TOWARDS the end of April an informal conference was held between officials of the Appointments Department of the Ministry of Labour and representatives of six of the chief associations connected with secondary education. The subject under discussion was the possibility of giving advice and assistance to boys leaving public and other secondary schools who are desirous of taking up professional and business careers such as are dealt with by the Department.

The two facts which were made abundantly clear during the proceedings were: first, the very large numbers of boys who enter "blind alley" occupations when they leave school because they find it necessary to earn money at once—one speaker, who is certainly in a position to judge, estimated this at something like 90 per cent.—or who take posts or enter professions for which they afterwards prove to be entirely unsuited; secondly, that the Department is in possession of a vast amount of just the information needed to prevent both evils, and has ready to hand the machinery to place that information at the disposal of schools and of the individual boys concerned.

The advantages of co-operation between the Department and the schools were so obvious that it was decided to set up a Joint Advisory Committee. This has been done, and the associations which have agreed to be represented thereon are: The Head Masters' Conference, the Incorporated Association of Head Masters, the Teachers' Registration Council, the Incorporated Association of Assistant Masters, the Association of Teachers in Technical Institutes, the Science Teachers' Association, the Modern Language Association, and the Private Schools Association. The Chairman will be the Head of the Department, which will also be represented by two senior members of its staff. The evils to be remedied are admitted. How far organized co-operation between the teaching profession and the Appointments Department might furnish a cure surely deserves some detailed consideration.

The War brought the Department into being. So far, its work has been to act as an intermediary between demobilized officers and men of good education and employers. Further, it has been necessary, in approved cases, to give training grants to enable such officers and men to complete their training in order to fit themselves for civil life. For these purposes it has been found necessary to set up thirteen selective committees, which have already appointed, in their turn, some seventy-seven local Interviewing Boards, whose work has been, *inter alia*, to investigate applications for grants. These Interviewing Boards, being composed of experts in various businesses, are able also to offer expert advice to those who need such help. Though, of course, grants are only available for ex-service men, the Department, generally, operates for the benefit of civilians. In addition, it has come into close touch with over sixty professional societies, with whom it is constantly conferring; it has also had to obtain an intimate knowledge, not only of the whole field of industrial activity both at home and abroad, but of the curricula of educational institutions in Europe, the States, and the Dominions. It ought, therefore, to be in a position not merely to advise but eventually to foresee, to speak with some authority as to the absorptive capacity of any particular industry, and to watch the trend of scientific research in relation to industry. In a word, it is a register of vacancies and of applicants, an advisory body as to facilities for training in any profession or business, and a centre of professional information generally.

It is common knowledge that the difficulties in its path are so great that its work in connexion with demobilization is as yet far from finished. Sooner or later, however, its task will be accomplished. Can machinery originally intended to replace demobilized officers and men in civil life be adapted to another purpose—that of placing the pupils of our public and secondary schools in their proper niches in our complicated social system of to-day? The attempt seems worth making. Upon what lines can it be made with any prospect of success?

Clearly means must be devised by which the information in the possession of the Department as to careers can be placed at the disposal of the individual schools. This information must be sent either to head masters direct or to some member on each staff definitely appointed for the purpose, whose business it would be to get into contact with boys who were approaching the end of their school careers. Here the sympathy of the head masters is essential. Upon their attitude the success of any scheme must in the long run chiefly depend. That sympathy would need to be active; apathy would in itself be sufficient hindrance quite apart from opposition. Most head masters are hardworked, many overworked, yet they have but too numerous opportunities of realizing the magnitude of the wastage of human material which occurs. Next, the district Directors of the Appointments Department would have to get into touch with the schools and arrange for a system of interviews between local Interviewing Boards and boys about to leave. Such interviews would be invaluable in assisting a boy to find his bent. Advice thus given would come just when most wanted, before it was too late to prevent the first false step. Eventually a network of such local Interviewing Boards might be established on which experts in the industries peculiar to the various districts might not only give advice, but, in turn, possibly select candidates suitable for their own particular industry. Similar arrangements might be made with reference to the professions. The main work of the Department would be, at head-quarters, to organize, co-ordinate, and, in particular, to distribute literature. But the whole system would depend for its success upon its pliability, the absence of attempt at centralized autocratic control, and, finally, of ability to profit by experience.

The need for some method of ensuring that the boy who leaves a secondary school should know for what career he was best suited and how to enter upon that career was recognized long before the War. The Future Career Association has done pioneer work in this direction of very great value. The Appointments Boards of the Universities deal annually with a large number of their graduates. Any scheme that dealt

with the problem as a whole would have to take such organizations into account and be worked in co-operation with them. No such societies can, however, cover the whole field of educational effort, for, though much may be done directly through the parent, the school must be the unit. It remains to be seen whether the Appointments Board, working in conjunction with the teacher, either through an Advisory Committee or otherwise, can solve the problem. But solved it should be, now or in the immediate future. Reconstruction is a term used both too vaguely and loosely. Here, at any rate, is a question which affects our national life so closely that it can only be tackled on the broadest lines, and the appointment of this Joint Advisory Committee is an experiment which seems deserving of encouragement and support, and which would appear to be well worth the watching.

PERSONAL PARAGRAPHS.

By the death of Lord Rayleigh British science has lost one of its most distinguished representatives. Educated at Trinity College, Cambridge, Lord Rayleigh—the Hon. I. W. Strutt as he then was—followed a long line of brilliant mathematicians and physicists, and graduated as Senior Wrangler at the age of twenty-three. He was the first heir to a peerage to carry off the Senior Wranglership, and he had the great distinction of being first Smith's Prizeman. The following year he was elected to a Fellowship at Trinity, which he held until his marriage, in 1871, to a sister of the Right Hon. Arthur Balfour. In 1881 he was greatly honoured in being appointed to succeed Maxwell as Cavendish Professor of Experimental Physics. He remained at the Cavendish Laboratory for three years, a period fruitful in research and in the organization of practical work. It was there that he laid the foundations of the legal standards of electrical units, the extreme accuracy of his investigations and calculations being such that they are even now difficult to surpass. The refinement of his experimental work upon the redetermination of the densities of the principal gases led later to the investigation of the atmospheric gases, which, with the assistance of Sir W. Ramsay, resulted in the discovery of the inert gases, and opened up a new chapter in the chemistry of the atmosphere. From 1887 to 1905 Lord Rayleigh was Professor of Natural Philosophy at the Royal Institution, and on the death of the Duke of Devonshire he was chosen to succeed him as Chancellor of Cambridge University. A voluminous writer on scientific subjects, Lord Rayleigh's *magnum opus* was his "Theory of Sound," a treatise considered to be one of the finest examples of a scientific classic extant, and the four volumes of his scientific memoirs, published by the Cambridge University Press, records a long list of researches, both experimental and mathematical, in all branches of physics. Lord Rayleigh's life was full of activities of a most varied character; he presided over the Treasury Committee which recommended the establishment of the National Physical Laboratory; he was Chairman of the Ordnance Committee of the War Office, a member of the Board of Trade Committee on the Methods of Gas Testing, and Scientific Adviser to Trinity House. He applied his scientific principles to the management of his estate near Witham, and instituted a scheme of profit-sharing and investment for his farm labourers which has proved very successful. In connexion with this scheme he opened a number of milk-shops in London, and was for some time referred to as the "peer shopkeeper." Innumerable honours were bestowed on the late Peer. He was D.C.L. of Oxford, Sc.D. of Cambridge and Dublin, Secretary and President of the Royal Society, Officier de la Légion d'Honneur, a Nobel Laureate, and an original member of the Order of Merit. The inestimable value of Lord Rayleigh's work, his attainments and energy, earned him international renown.

By the appointment of Sir Henry Hadow, Principal of Armstrong College, to the Vice-Chancellorship of Sheffield University, Newcastle loses one of its ablest educationists. Sir Henry has played a notable part in the public life of Tyneside since his appointment to Armstrong College in 1909. He has been a great pioneer in education, and music owes much to his guidance and zeal. He returned only recently to Newcastle from his work for education in the Army.

* * *

THE death is reported of Canon Richard J. Knowling, until recently Canon of Durham and Professor of Divinity in Durham University. Canon Knowling was educated at Blundell's School, Tiverton, and Balliol College, Oxford, where he graduated with Honours in Lit. Hum. and Theology. After some experience as Classical Master at Abingdon School (1874), he was ordained Deacon, and from 1876 to 1878 acted as curate of Wellington, Somerset, where his father, Prebendary Knowling, was vicar. He then became curate at St. Martin-in-the-Fields, and in 1884 began his connexion with King's College, which continued until his appointment, in 1905, as Professor of Divinity at Durham. He was Vice-Principal of King's College in 1890, and in 1903 he was appointed Examining Chaplain to the Archbishop of Canterbury and the Bishop of Exeter.

* * *

THE REV. K. J. F. BICKERSTETH, M.C., has been appointed Head Master of St. Peter's College, Adelaide, South Australia. Mr. Bickersteth was educated at Rugby and Christ Church, Oxford, and was for four years chaplain and assistant master at Melbourne Grammar School. He joined the Army in 1916, as a brigade chaplain, and was subsequently promoted senior chaplain of the 56th (London) Territorial Division on the Western Front.

* * *

CANON G. A. HOLLIS is to be the new Principal of Wells Theological College, in succession to the Rev. R. H. Lightfoot, who is resigning, under medical advice, on being nominated to a Fellowship at Lincoln College, Oxford. Canon Hollis graduated from Keble College, Oxford, with a First Class in Theological Honours in 1892. Ordained in 1894, he was appointed to Wells as chaplain and lecturer in 1895, and later became Vice-Principal. After fourteen years service at Wells, he moved to Armley and later to Headingley, subsequently returning to Wells last year as Canon and Chancellor of the Cathedral Church.

* * *

OLD HARROVIANS will be interested to know that Mr. H. Yates Thompson, himself an Old Harrovian, has presented two medallions of Hogarth and Sir Joshua Reynolds to Harrow School.

* * *

MR. THOMAS DEAN, Head Master at the Swindon and North Wilts Secondary School, has been appointed Head Master of the Tiffin Secondary School, Kingston, and will take up his duties at the end of this term. Mr. Dean was formerly Head of the Mathematical Department and Organizer of General Industrial Courses at East Ham Technical College and Secondary School. During the War he served in France as Adjutant of the 17th Artillery Brigade, and he is consulting mathematician to the Admiralty on rigid airship design and construction.

* * *

THE conferring of the degree of Master of Arts, *honoris causa*, upon Sir Oliver Lodge by Birmingham University puts on record the great appreciation of the University of the valuable services rendered by Sir Oliver during the nineteen years in which he has held office as Principal. In conferring the degree, the Vice-Chancellor, Colonel Gilbert Barling, referred to the affectionate regard in which Sir Oliver was held by all sides of the University. Sir Oliver Lodge, in reply, said that, although he was resigning from the principalship, yet he would not be quite separated from the University,

since he had been invited by the Guild of Undergraduates to be Warden, in succession to Mr. Neville Chamberlain.

* * *

THE REV. H. B. TOWER is to succeed the Rev. W. H. Bond as Head Master of Church's College, Petersfield. Mr. Tower is an old pupil of Marlborough College and an Exhibitioner and Scholar of St. Catharine's College, Cambridge. He was a keen and successful college sportsman, his record including Rugby XV, Hockey XI, Rowing VIII, and Scottish Hockey Inter-Trials, 1907-9. Mr. Tower is at present second master of King's School, Canterbury, and Head Master of the Junior School. Formerly he was Minor Canon at Worcester Cathedral and assistant master at King's School, Worcester.

* * *

MR. A. DAKIN, Senior Mathematical Master at Hymers College, Hull, since 1914, has been appointed Head Master to the new Stretford Secondary School, which is to be opened in September. Mr. Dakin was educated at Loughborough Grammar School and Jesus College, Cambridge, and has been an assistant master at Birmingham Technical School and Redcliffe House, Clifton.

* * *

MISS G. CLEMENT, formerly Head Mistress of the Godolphin and Latymer School, Hammersmith, has been appointed Assistant Director of Higher Education under the Warwickshire Education Authority.

ONLOOKER.

TOPICS AND EVENTS.

THE ATLANTIC FLIGHT.—R 34, a lighter-than-air machine, has completed her passage across the Atlantic from east to west. The outward passage covered a distance of 3,130 miles in 108 hours, and all went well until the airship ran into a storm on Saturday morning, July 5, which occasioned considerable delay, but fortunately there remained sufficient fuel to effect the landing where it was prearranged. A log was kept by General Maitland, which should prove of considerable scientific value; but the parts given in the Press leave much to be desired. The airship started from Scotland at 1.42 a.m., on Wednesday, July 2, with a brisk easterly wind of twenty miles per hour. She rose rapidly to about 1,500 feet. Much fog was encountered over the eastern portion of the Atlantic, and it did not lift until 10 a.m. Thursday, when the airship was in about 35 deg. West. Wireless weather reports published in the International Section of the *Daily Weather Report* show that the winds to mid-Atlantic were light to fresh from between north-east and north-west, with a high and steady barometer, an anti-cyclone occupying nearly the whole of the open ocean. Bad weather had to be encountered after reaching Newfoundland, but this was satisfactorily weathered, and the airship safely landed at Long Island at 2 p.m. G.M.T. on July 6. R 34 completed her homeward passage most successfully, starting from Long Island on the night of Wednesday, July 9, some hours previously to the time arranged, with the object of getting clear from her moorings before experiencing a gale which was threatening to pass over her. Pulham (Norfolk) was reached at 6.56 G.M.T. on Sunday morning, July 13, the passage being made in 75 hours.

BRITISH ASTRONOMICAL ASSOCIATION.—Following the report of Sir J. J. Thomson's Committee on the position of science in our educational system, and its recommendation that the teaching of the main facts and principles of astronomy should have a definite place in school curricula, the Council of the British Astronomical Association has resolved to offer the assistance of the Association in furthering this object, and has appointed a special Committee for the purpose, consisting mainly of schoolmasters. The rapidly growing interest in astronomy shown in the demand for lectures in schools encourages the Committee to hope that they may be of service to those desirous of assistance. The Council of the Association has decided to admit schools to the advantages of affiliation, so that teachers may be able to keep in touch with the rapid progress of the science. Lantern slides could be hired from the Association for the use of an affiliated school, and the *Journal* of the Association would be forwarded regularly to it. The Council will prepare a series of lantern slides for educational purposes. These

may be bought by the school for permanent use. Whenever desired, the Education Committee will be ready to give suggestions. Many teachers are anxious to see astronomy occupy its proper place in our educational system, and the Council of the Association ventures to offer the above suggestions in the hope of facilitating their work. Inquiries and applications for affiliation to the Association should be addressed to the Secretary of the Education Committee, Mr. E. O. Tancock, Wellington College, Berks.

NATIONAL DEMOCRATIC PARTY AND EDUCATION.—A deputation from the National Democratic Party waited on Mr. Fisher on July 8 to ask him to re-establish the rule that secondary schools in receipt of Government aid must take 25 per cent. non-paying pupils from primary schools; to give an assurance that in no circumstances would grants be made to secondary schools unwilling to accept this obligation; to restore the rule that the governing body of a school in receipt of Government funds must contain a majority of representative governors; and to secure an early opportunity for discussion in the House of Commons of the whole question of grants in aid of secondary schools. Mr. Fisher said the fears of the deputation were not well founded. It is not, he said, desirable to insist upon a rigid rule in regard to percentage of non-fee-paying pupils admitted to secondary schools. To ensure that as many pupils as possible from primary schools shall receive the benefit of a secondary school education, it is best to make the rule in regard to percentage of pupils admitted as elastic as possible. Certain advantages will accrue from a system whereby certain non-local schools fulfil their obligations by accepting scholars from secondary schools. The old rule, which compelled secondary schools in receipt of Government grants to receive upon their governing bodies a majority of representative governors, rules out certain Roman Catholic schools, excellently conducted, which it is desirable to assist.

SCHEMES UNDER THE EDUCATION ACT.—In our May issue (page 271) we commented on Circular 1096 of the Board of Education, with its draft memorandum of suggestions for the arrangement of schemes under the Education Act, 1918. Since the publication of that Circular the Board have received various observations from Local Education Authorities upon the draft memorandum, and have had them under consideration, with the result that Circular 1119 has been circulated. The draft suggestions have been revised in the light of the comments made by the Authorities, and are now issued in definitive form. The changes made are of a minor order only. The effect of the changes is that in the introduction to its scheme an Authority is invited to furnish a general outline of its administrative system, and to include particulars of any arrangements for co-operation or combination with other Authorities. The Authorities are now asked also to include their arrangements for dealing with stammering and shortsightedness as well as with dull or backward children. Moreover, instead of dealing under "Special Services" with special schools, the provision of meals, the organization of social and physical training, and nursery schools, the Authorities are now asked to deal with these matters under separate headings. The Board are now ready to deal with the schemes which the Authorities may from time to time submit to their approval.

THE "SCHOOL SCIENCE REVIEW."—The Association of Public Schools Science Masters, now known as the Science Masters' Association, has started the publication of an official journal under this title. The new review is to be published in February, April, June, and October, and separate numbers may be obtained from Mr. John Murray, Albemarle Street, W.1, for 2s. net. All publications of the Association are supplied to members free of charge. The first issue of the new review appeared in June, under the editorship of Mr. G. H. J. Adlam, City of London School, and will be welcomed by all teachers of science in schools. The articles are short, and deal with subjects of immediate interest to practical teachers. We hope our new contemporary will have a long and vigorous life.

MODERN LANGUAGE ASSOCIATION.—On July 5, Mr. E. Allison Peers lectured upon "Experience and Experiment in the Teaching of French Composition." Among other matters, he dealt with the creation, in connexion with the Modern Language Association, of a Department of Educational Experiment and Research. There had been in the past far too much generalization from imperfect and individual experience. Numerous matters in connexion with modern language teaching were lying at hand, the subjects of idle discussion or vague textbook organization. Under able direction, however, many teachers might be induced to investigate these matters for themselves. Action and energetic co-operation would,

of course, be needed. Teachers would give their names to the Department, as willing to undertake investigations which a central organism with a Committee of experts would collate. Small sub-committees would deal with the results of each investigation. Local centres would also be formed in connexion with local branches of the M.L.A., where interim results would be compared at intervals and experiments discussed. Conclusions would be published by the Committee. Final conclusions would not be published till after a long interval had elapsed from the beginning of the investigations. It was essential that such a Department should have the active co-operation of a large body of members, for where *classroom*, and not *laboratory*, conditions prevail the number of subjects must be far larger than in the average experiment in practical psychology. The question of funds was not likely to prove difficult. Much could be accomplished on a small initial outlay, and, as the work and scope of the Department became more ambitious, a grant would not improbably be forthcoming. But a determined and energetic body of teachers was needed to champion the movement at its birth, and this the Association could certainly provide.

MODERN LANGUAGE ASSOCIATION: WESTERN BRANCH.—The Western Branch of the Modern Language Association has just concluded a successful year under the able secretaryship of Miss A. L. Hargraves, of St. Olave's School, New Kent Road, S.E. Three meetings have been held, one in each term. The first was at St. Paul's Girls' School, Brook Green, at which M. Henry D. Davray addressed the members on "*La France après la Guerre*"; the second took place at the Greycoat School, Westminster, when M. A. Turquet spoke on "*Théophile Gautier*"; while the third was held at the Burlington School, when the well known novelist and critic, Mr. W. L. George, discussed "*The Classic French Novel*." The meetings have been well attended by members and their friends; the two former because of the great desire of French teachers to hear correct French spoken after having been prevented from visiting France during the five years of war; while during the last lecture there was hardly sitting room for the large audience who crowded to hear one of our few novelists whose command of French is so well known, and whose book, "*A Novelist on Novels*," has proved that he has a distinct point of view. In French literature, at any rate, Mr. George's preferences seem to be Stendhal's "*Le Rouge et le Noir*" and Flaubert's "*L'Education Sentimentale*." These meetings have hitherto been held at 8.30 p.m., but during the next season it is proposed to hold others at 5.30 in order to suit the convenience of members who live too far away to come to evening meetings.

MERCHANT VENTURERS' SECONDARY SCHOOL.—This school, which has been conducted for many years as a part of their Technical College by the Society of Merchant Venturers, an ancient Bristol Guild, will at the end of the present term be transferred to the Bristol Education Committee and become a municipal school. The Merchant Venturers conduct in their college the Faculty of Engineering of the University of Bristol, and the urgent need for additional space for this rapidly growing Faculty had made it impossible for them to continue to house the secondary school, which during the present session has provided for more than 400 boys, and would have numbered over 600 had it been possible to accept all the applicants for admission.

ART FOR SCHOOLS.—At the annual meeting of the National Art Collections Fund, on July 14, Mr. Fisher gave an address in which he referred to the use made in this country of museums and art galleries. We ought, he said, to make a much more strenuous effort, such as is made in France, to secure that the treasures of our museums and art galleries, especially local museums, are brought to the notice of the children and adults of the neighbourhood, and that they are educated to understand and appreciate the good things available. Mr. Fisher thinks more use might be made of good picture post cards of the best pictures in our art galleries, and that more advantage should be taken of the interest and delight children show in museums and art galleries when conducted through them intelligently under proper guidance. He expressed the hope that the decoration of our elementary and secondary schools by the exhibition of reproductions of works of art would be further encouraged. We hope Mr. Fisher's wish will be realized. Our experience is that girls' schools have done excellently in this direction, and if their example could be emulated in boys' schools there would be little cause for complaint.

ASSOCIATION OF TEACHERS OF DOMESTIC SUBJECTS.—The Annual Conference of the Association of Teachers of Domestic Subjects was held on May 24. In the absence of Mrs. Lloyd George, the Countess Ferrers took the chair and gave an

address. There was an unusually large attendance of members from all parts of the country. Lady Ferrers said the Association had done much useful work by bringing before the public the importance of domestic subjects to the life of the nation, and their work was by no means finished, for there was still a large body of opinion hostile to the teaching of domestic science. She was old-fashioned enough to consider the family the unit instead of the individual, and to regard it as the perfect microcosm of the State. The more one believed in the family the more important did domestic science become. The home was the basis of national life and character. All outside efforts—infant welfare centres, elementary schools, secondary schools, University training—lost their full value if the child went out to receive these benefits, but returned to the stultifying atmosphere of an ill-ordered, ignorant, and confused home life. Every woman, even if she did not do the work, should know from personal experience and training, how to keep the material side of her home in good, wholesome, working order, and how to feed her household, so that the highest point of efficiency was obtained. Domestic science should be a compulsory part of national education from the highest to the lowest; no class should escape from it. Several papers, outlining the teaching of domestic subjects under the new Education Act, were read, dealing with urban and rural areas. Some discussion followed. In the afternoon Mr. Percy Wells gave a lecture on "*Qualities in Furniture*," illustrated by lantern slides.

NAVAL PRIZE ESSAY COMPETITION.—In order to encourage the scientific study of "*Sea Power*" and its uses in war and peace time, and to stimulate interest in the achievements of the Royal Navy and Mercantile Marine, the Navy League has decided to award prizes for essays on naval subjects. Among the prizes are a gold medal to be offered for competition among the Universities of the United Kingdom for the best essay on a naval subject to be set by the Navy League, to be known as "*The Navy League Gold Medal*." A monetary prize of £100 will also be awarded to the winner of the medal; three prizes of a monetary value to be offered for competition among public schools for boys—namely, £20, £10, and £5; two monetary prizes of £20 and £10 to be offered for competition to head teachers and assistant teachers of secondary schools; two monetary prizes of £20 and £10 to be offered for competition to head teachers and assistant teachers of elementary schools; four sums of £50 each to be offered to Canada, Australia, New Zealand, and South Africa, to encourage them to initiate a similar scheme, the details to be left to their discretion. The subjects for competition will be:—(1) Universities: "*Operations in the Baltic against Napoleon and his Allies, 1803-1814, with special reference to their influence on the course of the war.*" (2) Public and private schools for boys and high and private schools for girls: "*The relation between the strength of a navy and the policy of a nation in the cases of—(a) a Continental Power, e.g. Russia, Germany, Holland, France; (b) an Island Power, e.g. Japan, Britain; (c) a Peninsular Power, e.g. Spain, India.*" Teachers of secondary and elementary schools: "*What is in your opinion the best method of teaching the principles of Sea Power to children in secondary and elementary schools?*" Essays written by competitors from Universities should not exceed 3,000 words; by competitors from public, private, and high schools should not exceed 2,000 words; by teachers should not exceed 2,000 words. All correspondence relating to the competition should be addressed to the General Secretary of the Navy League, 13 Victoria Street, London, S.W.1. All essays must reach the Examination Council before November 30, 1919.

ROYAL ACADEMY OF MUSIC AND THE ROYAL COLLEGE OF MUSIC.—The Annual Meeting of the Associated Board of the Royal Academy of Music and the Royal College of Music was held on July 17. The report expressed the gratification of the Board at being able to announce that H.R.H. the Prince of Wales had graciously consented to become its President. A tribute was paid to the memory of the late Sir Hubert Parry. The number of candidates in the United Kingdom was 5,006 in the Local Centre Examinations, and 34,040 in the School Examinations. Mr. Ernest Mathews, in moving the adoption of the report, said: "It is particularly gratifying to us that his Royal Highness the Prince of Wales has seen his way to accept the position of President of this Board. In doing so he is only carrying on the work of his father and grandfather before him." With regard to the death of Sir Hubert Parry, he spoke of his personal friendship with him extending from the time, fifty-three years ago, when he first met him as an undergraduate at Oxford. He also wished, on behalf of the Board, to say how greatly he appreciated the presence of Dr. Hugh P. Allen, whose influence was already proving of great value to the Board. It is interesting to note that, during the first year, the Board examined about 1,100 candidates; in its tenth year,

12,000; in its twentieth year, 35,000; and in the past year a little less than 60,000. Sir Walter Parratt seconded the motion, and the report and balance sheet were adopted.

SCIENTIFIC PRODUCTS EXHIBITION.—The attention of teachers in general, and science masters in particular, is directed to the British Scientific Products Exhibition, now being held at the Central Hall, Westminster. Whereas last year the exhibits at King's College were confined largely to activities bearing on the prosecution of the War, this year happily it has been possible to focus the attention of the public chiefly upon the requirements of peace. The display gives remarkable evidence of the potentialities of British science and British labour. There are admirable collections of glass and other ware, and chemical apparatus of excellent quality. The chemist will also view with satisfaction the pioneer work in the manufacture of fine chemicals, which bids fair to eradicate Kahlbaum from our memory. Exhibits from several gas companies remind one of apparently limitless applications of coal-tar products. The development of the drug industry has been remarkable in its rapidity, as will be seen from the interesting and instructive exhibits from many well known firms. The teacher from rural schools will be interested in the work of the Rothamsted Experimental Station. In the Mechanical Sciences and Physics sections are shown optical and electrical instruments of the most varied types, from micrometer scales on the one hand to range-finders and the latest inventions connected with directional wireless on the other. The Geological Survey exhibit relating to the petroleum industry in England and Scotland has a very special interest at the present day.

PRESENTATION TO SIR WILLIAM OSLER.—On July 11 Sir William Osler completed his seventieth year, and the occasion was chosen by a number of his friends, colleagues, and pupils to present him with a collection of memoirs and essays on a great variety of biological, medical, and historical topics. The ceremony of presentation took place at the rooms of the Royal Society of Medicine, and was conducted by Sir Clifford Allbutt, Sir William Osler's brother Regius Professor of Medicine. We understand that the scheme originated in this country, but that the exigencies of the printing trade necessitated the production of the volumes in America. The volumes contain no fewer than a hundred and fifty contributions. The work consists of two large octavo volumes, adorned with a great number of plates. A steel engraving of a portrait of Sir William forms the frontispiece to the first volume. The subscription price of the volumes is two guineas, and any further information concerning the volumes can be obtained from Dr. Charles Singer, Westbury Lodge, Norham Road, Oxford, who has throughout acted as secretary and editor for the English Committee.

CAMBRIDGE LOCAL EXAMINATIONS.—The July Local Examinations were held at 218 Centres in the United Kingdom and 17 Centres in the Colonies. The total number of Preliminary, Junior, Senior, and Higher School Certificate candidates is 8,641.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

As to continuation, the Legislature should say to all children alike: "You must go to school until you are fourteen. Many of you will attend a secondary school to the age of seventeen, and poverty shall not prevent the abler intellects from doing so. The rest we must ask to avail themselves, up to that age, of the means of continuing their education efficiently that are or will be locally provided." We are begging them to say this simple thing. Section 10 of our Education Act, among its other defects, draws an invidious social distinction. It addresses the child of prosperous parents thus: "You are now sixteen years old. You may have learned nothing, as being a dolt by nature and an idler by habit; but, by paying fees, your father has kept you under full-time instruction at a school recognized as efficient or in some other acceptable manner. You may go, then—to undersell the poor man's child in the labour market, or to become his lord and master." The youth kept at school for the games, for example, is to be exempt from the continued education which he sorely needs. Such social discrimination were inconceivable in the United States, where already some small progress has been made with obligatory continuation. The progress is small because, as a rule, initiative

is left to the Local Boards. Thus, in Massachusetts the State law provides that the Local Board, with the consent of the State Board, may compel attendance of the continuation school by children between the ages of fourteen and sixteen; but, whilst the Local Board may establish a continuation school, it is not compelled to do so, and, so far, Boston is the only city in the State that has effected compulsory attendance of the continuation school. Similarly, in Wisconsin, Indiana, and Ohio, compulsory attendance depends on a *permitted* establishment of continuation schools. In Wisconsin, on the other hand, the Local Board *must* establish a continuation school if twenty-five qualified persons petition for it; whereupon attendance becomes compulsory on all within the age limits. In general, it may be said that permissive legislation is a failure where obligatory continuation is concerned. We commend the difference between *may* and *must* or *shall* to the attention of the President of our Board of Education. In the United States there is to be predicted a forward movement in respect of continuation so soon as the Federal Department of Education is established. One of the chief objects of the Bill for establishing it is to equalize educational opportunities. In opposition to Whitehall, we are urgent that the rich idler, too, must have his chance.

The English Act directs the Local Authorities to submit schemes for securing regular attendance of the continuation school; but what powers have they for the making of disciplinary by-laws? And when we get the schools what are we to teach in them?

Experience alone, as we have said before, will reveal what is best in methods and matter. In the United States, says Bulletin No. 25 (1919) of the Bureau of Education, the continuation school has developed itself as a result of the movement for vocational education. "As it exists to-day, it is essentially a vocational school, limited in its instruction to those subjects that are directly related to employment of the student. This is a narrow conception—far narrower than the conception of the continuation school that has been taking root in England and France. Without sacrificing in any essential way its service to industry, the scope of the continuation school should be broadened to include those elements of general and liberal education that are so fundamental to sound democratic citizenship. It should supply to the boys and girls who must leave school and go to work something of the insight, something of the broader outlook, something of the stimulus to mental growth, that the full-time high schools and colleges provide." In England we must remember always that liberal and vocational education are complementary, not mutually exclusive; and our ideal must remain to make perfect the man in making perfect the workman.

The Bulletin quoted in the preceding paragraph reviews the progress of vocational education in the two years to 1918. The Smith-Hughes Act was passed and a Federal Board for Vocational Education created. The Committee of the War Department on Education and Special Training conducted a gigantic experiment in industrial education, and produced "the fighting mechanic." The Emergency Fleet Corporation of the United States Shipping Board evolved a highly successful plan to increase the available supply of skilled mechanics for the shipyards. In 1918 the Smith-Sears Act provided for the vocational rehabilitation of men disabled in war. Again, the Navy offered a wide variety of industrial courses to ambitious young men, who were enabled to study radio-mechanism, stenography, plumbing, and many other crafts. The Federal appropriations under the Smith-Hughes Act will amount ultimately to more than 7,000,000 dollars a year. Already the several States are making use of the sums allotted to them. The *School Review* (XXVII, 4) contains an account of "Industrial Education in Illinois under the Smith-Hughes Law." In the course of 1918 a full-time machinist trade school was established at Peoria, and part-time extension or general continuation classes were fostered at Moline, Rockford, and Chicago. It is noteworthy, by the way, that the Federal Board has now decided that Federal grants may be used for the teaching of commercial subjects as well as for instruction in the mechanic arts.

Vocational teachers may be men academically trained, and having in addition a knowledge of crafts; thus, at Rockford, Illinois, all the four full-time instructors had at least two years of college training and much practical experience. Or they may be artisans trained to teach. During the summer of 1918 there were special classes for the preparation of teachers of vocational subjects conducted under the direction of State Boards or Departments of Education in twenty-six States, with a length of session ranging from two to ten weeks. And, when the United States had to build ships in a hurry, picked men were sent to a dockyard at Newport News, who for half the day were instructed in the methods of

teaching, and for the other half were actually instructing groups of workers in the yard. After six weeks so employed, they returned to their own yards to set up classes for breaking in new men taken from kindred trades. It was an emergency measure, but *the ships were built*. In general, however, it is found that the average mechanic, with his lack of education and near horizon, cannot be converted into a skilful and inspiring teacher through the medium of short courses alone. The candidate, said a recent conference of schoolmen, should first demonstrate his fitness to instruct; then, since observation and practice teaching are essential factors in the preparation of the teacher, provision must be made for these exercises in normal school curricula. Lastly, new machinery and a new basis for the examination and certification of vocational teachers are urgently needed; practical tests of ability must be used, and examiners must be competent in things other than books. What of finance? To attract suitable men and to make them into competent teachers, money is required, and the Federal appropriations to the States under the Smith-Hughes Act are applicable to three objects. (1) For the payment of the salaries of teachers, supervisors, and directors of agricultural subjects, 500,000 dols. was appropriated for 1918, the amount rising to 3,000,000 dols. in 1926 and for each year thereafter; (2) for the payment of the salaries of teachers of trade and industrial subjects the appropriations were for the same amounts as for instructors in agriculture; (3) for the payment, in co-operation with the States, of the cost of preparing teachers, supervisors, and directors of agricultural subjects and teachers of trade and industrial subjects, the appropriation in 1918 was 500,000 dols., the amount rising to 1,000,000 dols. in 1921.

The pertinence of these movements in the United States to education in England will grow apparent on reflection. We are about to enter into a great period of commercial and industrial rivalry with America—friendly rivalry, yet intense. It is proper for us to point out how she is preparing herself in school, workshop, and laboratory. We had hoped that England would get much vocational education done in continuation schools which would cover the "unoccupied field." Our Education Act (headed "National System of Education") received the Royal assent on August 8, 1918, yet hitherto not one square inch of the unoccupied field has been occupied under the Act. The insistence with which we urge continuation will be excused by those who realize its economic as well as its social and educational importance.

FRANCE.

In France there is a certain unrest among the primary teachers, who are not satisfied with the proposed scale of salaries. In the domain of secondary education the establishment of a separate *baccalauréat* for women is condemned vigorously in many quarters. "Le cerveau n'a pas de sexe!" cry the feminists, urging that, if women are to compete with men in the newly opened careers, they must receive the same training. A form of industry towards which women have legitimate aspirations is agriculture; for during the War they saved agriculture for France. A recent ministerial circular urges that a beginning should be made everywhere with *cours de perfectionnement* for girls; and in such courses attention were fitly directed to the making of cheese and butter, the breeding of pigs and goats, the care of poultry houses, rabbit hutches, and beehives. M. Méline, a former Minister of Agriculture, in a book about to be issued, "Le salut par la terre et le programme économique de l'avenir," assigns to women an important part in the agricultural restoration of France. He would draw to the fields working girls tired of the factory and servant maids in search of a healthier life and brighter prospects. We believe in agriculture as an employment for women. When M. Méline suggests that they may be drawn to it by the study of housekeeping—as if the cooking of carrots would inspire a desire to grow them—we cannot agree with him. The charm of rural life is to be discovered in the open air, and not from stewpots; and the many French and English girls who have tasted that life will not lightly be drawn from its lure. In France it is proposed to multiply schools of agriculture, and girls will be admitted to share the instruction.

We must learn more French, and to do so we must have better teachers. The Englishman whose French was got from a holiday course—the itinerant German, who certainly had "a foreign accent"—the untrained young Frenchman—they left us with the French that we used in the War and was enough to have caused it. One way of making teachers of French is through an Institut français, a French university going, as it were, abroad, with gifts of language and culture in its hands. We have an Institut français in London. The Institut français at Florence is an offshoot of the University of Grenoble, which has just been empowered (*Bulletin Adminis-*

tratif du Ministère de l'Instruction publique, No. 2377) to institute in it for Italian and other non-French students (1) a "certificat d'études pratiques de français," (2) a "diplôme d'études françaises," lower grade, and (3) a "diplôme supérieur d'études françaises." Of making many parchments there is no end; it seems that these particular parchments are to be the rewards of real attainment. Candidates must bring at the outset proof that they have completed successfully their secondary studies; they must be regularly matriculated at the Institut and must have followed its instruction for two or three years; and the "jury," or Examining Board, is appointed by the University of Grenoble. That is what we want—teachers of French hall-marked by a French university. How many of the *Sprachgenies* who used to teach French and German (often a worthless dialect of German) in our schools could have obtained the "diplôme supérieur d'études françaises" at the Institut français of Florence, with its tests, "interrogation sur l'histoire de l'art français," "interrogation sur la pédagogie des langues vivantes," "interrogations sur des questions de phonétique expérimentale et pratique," and so forth?

GERMANY.

We trust our readers approved our attitude during the War. Our endeavour was to be patriotic without being idiotic. We grieved over the unrighteous ambitions, the illusion of all-mastering strength, the moral aberration, and all those other sins and errors of the present generation of Germans, for which it and later generations must suffer. A tragic adventure in the life of a great race has been incorporated in its past. Let us look at the present, so far as we can discern it, and confine the survey to our own field. It seems that a great "democratization"—we must reconcile ourselves to these new words—of education is in progress or *in spe*. Since 1917 Berlin has had in operation a new system for extracting the *élite* from the people. A *Gymnasium*, a *Realschule*, and a girls' secondary school have been transformed into establishments reserved for the more highly endowed pupils of the primary school, who receive free instruction, free books and material, and, in case of need, a grant of 300 marks for maintenance. A similar school opened at Hamburg in 1918 has now some thousand pupils, 5 per cent. of the school population of the town. But the general demand is for the *Einheitsschule*, one school for all classes. Another claim, notably in (Catholic) Bavaria, is that the public school, as a State institution, should be free from any dependence on the Church. Saxony has excused the children of dissenting parents from participation in the religious instruction, the study of the Bible has been cut down in the lower classes to two hours a week, and the catechism has been discarded, while the clergyman ceases to be a member of the School Committee. But, in opposition to a tendency to reduce or abolish the teaching of religion, the Conservatives and Free Conservatives advocate "national education based on religious instruction." In truth, the turbidity of the political waters affects education. Scholastic opinion in general may be discovered from the programme of the German Teachers' Association, which is this. A uniform school (*Einheitsschule*) from the Kindergarten up to the University; unrestricted right of every child to education according to his ability and willingness to pursue higher studies, without regard of the parent's wealth, position, or creed; free instruction and school material, free maintenance and clothes for necessitous children; extension of compulsory education in the common and continuation schools up to the age of eighteen; abolition of all church supervision and compulsory religious confession for teachers and pupils; elimination from the teacher's duties of any purely church function; inspection of school work by professional men thoroughly familiar with it; uniform training and salaries for all teachers; full citizenship and the guarantee of freedom of teaching and professional independence for teachers of every order. But those who know Germany intimately will hear through all this the voice of the *Volksschullehrer*; that of the higher teachers, university and school, with their strong pride of class, their social influence, their capacity of leadership, is not yet distinguishable. In education, as in other spheres, the permanence of reform in Germany depends on the power of the new democracy to construct and to administer—"zu bauen, zu bilden, zu versöhnen." Revolutions that are merely destructive are always transient.

CAPE OF GOOD HOPE.

It is always pleasant to learn that the native people in the British Dominions are being well cared for; the Cape *Education Gazette* (xviii, 26) shows that this is done in South Africa. At Umtata, on April 23 and 24, was held the Native Handicrafts Exhibition,

The Children of Ntu.

along with other ceremonies. On the first day the Exhibition was open only to Europeans; the second was set apart for the "children of Ntu," as the natives call themselves, after their great mythical ancestor. It was then that eighteen choirs combined in singing a song of welcome to the Education Authorities assembled to honour the occasion; and between stanzas of the song a *mbongo* declaimed in sections an address. The Superintendent-General he hailed as "Ruler of the Branch of Learning"; the inspectors of schools were "Bearers of the Treasure Bags of Wisdom"; the clergy were "Milkers of the Breasts of Heaven." Of the song, or psalm, the significant note was this: "Long in the prison of Foolishness and Want of Knowledge have we been confined, Do ye open for us the gates of Knowledge, that we too may enter and receive a share." The Exhibition both attested and will increase the interest of South Africans in the industrial and general education of the natives for whom they are responsible.

CANADA.

The report of the Ontario Minister of Education (Hon. H. J. Cody,

In Ontario.

who is D.D. as well as LL.D.) for 1918 is indicative of progress. The amount expended by the Province on education increases year by year. Against a slight decline in the attendance of high schools and collegiate institutions is to be set an increase in the enrolment and an improvement in the attendance of public elementary schools. More attention is being given to the health of the young, and many of the larger urban municipalities have made provision, as the law requires, for the medical and dental inspection of children. During the War the schools have taught their pupils what principles were at stake and what the British Empire means to the world; now that it is over, the schemes of instruction are being reconsidered with a view to more stress on history as the source of patriotism, on morals, and on pre-vocational subjects. A Federal subvention for agricultural education has promoted the rapid extension of the teaching of agriculture in the schools. In 1911 there were 33 public and separate elementary schools qualified for grants on account of agricultural instruction; in 1918 there were 1,020. Of the high schools, too, more teach the subject, and the normal schools are developing their courses for teachers of it and enlarging the areas of their educative gardens. Teachers in general are being better paid; but Ontario has not adopted the system of equal pay for men and women. Thus, whilst the average salary of a man teacher in a public elementary school is 1,039 dollars, that of a woman teacher is only 650 dollars.

Most of the manufacturing cities and towns in the Province show quickened interest in industrial and technical education, demanding plans and teachers for schools. But the compulsory attendance of continuation schools is not enforced. The

Industrial and Technical Education.

Adolescent School Attendance Act, providing for local option as to compulsory attendance, was passed in 1912 and amended in 1916; but no municipality has put it into action. Permissive law in this domain generally remains a dead letter. The Report (Appendix B) of Mr. Merchant, Director of Industrial and Technical Education, is worth study. Ontario has in the bud a system of continuation. The day industrial and technical schools have become firmly established as part of the provision for education in the Province, and the attendance of them improves. They are characterized by the emphasis that they put on the essentials of a general education, specialized training for particular vocations being reserved for the advanced classes. How are the teachers got? Does the Department of Education proclaim with a sigh of despair the number required? Let us quote from Mr. Merchant. "The regulations governing the qualifications and certification of vocational teachers for day and night industrial and technical schools have been amended with a view of attracting a larger number of those who have been trained in the industries to take up permanently the work of teaching and of encouraging them to fit themselves for this vocation. The Department of Education now grants interim certificates, to be made permanent at the end of a period of successful teaching, to candidates who have had approved technical training or trade experience and who have taken approved teacher-training courses. To enable teachers to qualify under these amended regulations, evening teacher-training classes have been opened up in Toronto, Hamilton, and London. A large number of the teachers engaged in the schools in these cities are registered for a two years' course. The course of training includes instruction in the general principles of education, with their application to technical and trade subjects, the analysis of trade operations and requirements, the construction of suitable courses of study, the development of lesson plans, and exercises in practical teaching, with criticisms."

Ontario believes that the universal training of the adolescent is one of the chief problems of reconstruction, of which the Minister says this:—"The basis of reconstruction is the conservation and development of our human resources. All plans for commerce, industry, agriculture—all plans for the general utilization of our material wealth, depend upon the intelligence and character of the people. Reconstruction is thus inextricably bound up with the broad subject of education." And in the past the "unoccupied field" of education consisted of the adolescent not attending a secondary school. Ontario, as it seems, intends to occupy that unoccupied field.

CORRESPONDENCE.

RELIGION AND THE CLASSICS.

To the Editors of *The Journal of Education and School World*.

SIRS,—Among the many articles upon educational reconstruction which have recently appeared in scholastic papers I have looked in vain for any mention of what is the greatest defect of all English education, *i.e.* the absence of religious instruction. For generations education has been handicapped by the bugbear of "the religious question in schools," and we schoolmasters have had to stand aside and watch those who control our destinies wrangling interminably upon questions which have seemed to us to have no more to do with religion than with schools. Thanks to an enlightened President of the Board of Education, we have at last been given an Education Act freed from the old dissensions; but ominous signs are already beginning to appear that the ghost has not been properly laid. Various educational bodies are passing resolutions in favour of "definite religious instruction in schools," and several books are being published which are intended for school religious teaching. Both these are signs that the British parent is not willing to have his child brought up without religious guidance; but there is great danger that, if he revives "the religious question" in the old spirit, he will get nothing but a further dose of the hypocrisy bred of that old controversy. To help in preventing such a fraud is the object of this letter.

No schoolmaster who has been on terms of intimacy with his Sixth Form is ignorant of the fact that the average boy enters upon a stage of doubt with regard to religious matters well before he leaves school. He begins to reflect; he discusses religion with all who will take him seriously; he criticizes the weekly sermon. He thus realizes that much of what he has been taught—at home or in Sunday school—is mythology, and not to be taken literally. There is some danger that this awakening of rationalism may lead a morally weak boy into real trouble, and it will certainly cause an over-sensitive one some spiritual agony. Yet we schoolmasters (at least in our official capacity) stand aside and withhold all guidance of the very intellectual awakening which we have laboured to achieve! Some guidance ought to be given in our official capacity, as part of definite school instruction. Such instruction will naturally vary according to the different school subjects with which it is incorporated; but given it can and must be. English literature affords a splendid scope; no master can expound Shakespeare, Milton, Matthew Arnold, or Wordsworth at all efficiently without either consciously or unconsciously influencing the religious ideas of his pupils.

There is much opportunity for enlightened interpretation in the ordinary course of classical reading, in dealing with authors such as Aeschylus and Herodotus, Pindar and Plato, but it would be better to have something more systematic than can be provided by the *obiter dicta* that spring up in connexion with such reading. Such a special course as I advocate is provided by the study of the elements of Greek Philosophy. Many will think this impossible as a school subject, but they will change their opinion when they have tried it, as I have for many years now. The course of Greek philosophical speculation establishes the two fundamental facts of religion—the existence of some spiritual power in the universe which we

(Continued on page 524.)

SELECTED BOOKS FOR PREPARATORY SCHOOLS

PUBLISHED AT THE

University Tutorial Press.

MATHEMATICS AND SCIENCE.

ALGEBRA, JUNIOR. By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. 3s. 6d. With Answers, 4s.

"Maintains the high standard of excellence we are accustomed to expect from so well known a source."—*Journal of the Assistant Masters' Association*.

ALGEBRA, JUNIOR, TEST QUESTIONS IN. By F. ROSENBERG, M.A., B.Sc. 1s. 6d. With Answers, 1s. 9d.

"A complete series of examples carefully graded."—*Educator*.

ARITHMETIC, THE PRIMARY. Edited by WM. BRIGGS, LL.D., M.A., B.Sc., F.R.A.S. Second Edition. 10d. each. Part III. 1s. 3d.

A Course of Simple Arithmetical Exercises covering all the subjects usually taught in schools, from the four simple rules to stocks and shares.

ARITHMETIC, PRELIMINARY. By AUGUSTUS BARRACLOUGH, M.A., Second Master at Bournemouth School. 2s. With Answers, 2s. 3d.

"The chapters are clearly written, carefully arranged, and accompanied with a plentiful supply of examples and exercises."—*School Guardian*.

ARITHMETIC, THE JUNIOR. By R. H. CHOPE, B.A. With or without Answers. Third Edition. 3s. 6d.

"The book is well got up, and has a quite good selection of examples throughout."—*Mathematical Gazette*.

ARITHMETIC, JUNIOR, TEST QUESTIONS IN. Edited by A. G. CRACKNELL, M.A., B.Sc. 1s. 6d. With Answers, 1s. 9d.

"No better supplement to the ordinary class-book could be desired."—*Secondary School Journal*.

BOOK-KEEPING, JUNIOR. By T. C. JACKSON, B.A., LL.B., 2s.

"Students commencing Book-keeping will find this manual well-fitted to enable them to gain an early grasp of the subject."—*Schoolmaster*.

BIOLOGY, A FIRST COURSE IN PLANT AND ANIMAL. By W. S. FURNEAUX. 2s. 9d.

"The object of the author is to supply beginners with a safe introductory guide to the study of animal and vegetable life."—*Educational Handwork*.

BOTANY, JUNIOR. By FRANCIS CAVERS, D.Sc. 3s. 6d.

"Dr. Cavers has achieved a useful little book."—*Journal of Botany*.

CHEMISTRY, PRELIMINARY. By H. W. BAUSOR, M.A., late Scholar of Clare College, Cambridge. 2s.

"An excellent little book . . . will make a clear understandable foundation for a systematic treatment of chemistry in the higher forms."—*Educational News*.

CHEMISTRY, JUNIOR. By R. H. ADIE, M.A., B.Sc. Second Edition. 3s. 6d.

"The results of fifteen years' experience of a thoughtful teacher are always valuable. A thoroughly sound course of practical instruction."—*Nature*.

CHEMISTRY, JUNIOR PRACTICAL. By H. W. BAUSOR, M.A. 1s. 6d.

"An excellent guide for the beginner in practical laboratory work."—*Educational Times*.

GEOMETRY, PRELIMINARY. By F. ROSENBERG, M.A., B.Sc. With or without Answers. 2s. 9d.

"Will prove distinctly helpful to the beginner in the study of Geometry."—*Bookseller*.

GEOMETRY, JUNIOR. By A. G. CRACKNELL, M.A., B.Sc., 3s. 6d.

"A simple treatment of the elements of Geometry. A feature of the book is the number of questions which require a numerical answer, incorrect and careless work being thereby easily checked."—*Schoolmaster*.

HEAT, JUNIOR. By JOHN SATTERLY, D.Sc., M.A. 2s. 9d.

"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal*.

MAGNETISM AND ELECTRICITY, JUNIOR. By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. 3s. 6d.

"This book should not have any difficulty in holding its own, for it is one of the best regarded from the standpoint of exact thinking."—*Electrical Engineering*.

AN INTRODUCTORY COURSE OF MECHANICS AND PHYSICS. By W. M. HOOTON, M.A., M.Sc., F.I.C., and ALFRED MATHIAS. 2s.

"An excellent introduction to the fundamental principles of Mechanics, Hydrostatics, and Heat."—*Educational News*.

SCIENCE, PRELIMINARY COURSE OF EXPERIMENTAL. By W. M. HOOTON, M.A., M.Sc. 2s.

A course of Science training for beginners in accordance with modern ideas.

SCIENCE, JUNIOR EXPERIMENTAL (Physics and Chemistry). By W. M. HOOTON, M.A., M.Sc., F.I.C. Second Edition. 3s. 6d.

"The explanations are clear, and we can recommend the work heartily."—*Secondary Education*.

SOUND AND LIGHT, JUNIOR. By JOHN SATTERLY, D.Sc., M.A. 3s. 6d.

"Reaches a high standard with plenty of practical work and exercises."—*Guardian*.

LANGUAGES, HISTORY, AND GEOGRAPHY.

ENGLISH COURSE, PRELIMINARY (Grammar and Composition). By A. M. WALMSLEY, M.A., late Senior English Master, Middlesbrough High School. 2s.

"An English Grammar embodying in general the recommendations of the Joint Committee on Grammatical Terminology. The author has kept in view the real aim of grammar, namely, 'the production of good English.'"—*Athenæum*.

ENGLISH COMPOSITION, JUNIOR. By E. W. EDMUNDS, M.A., B.Sc., Senior Assistant Master at Luton Modern School. 2s.

"This excellent manual makes plain for the young pupil the essentials of good writing. A distinctly workmanlike production that can be heartily recommended as one of the best of its kind."—*Education*.

ENGLISH GRAMMAR, JUNIOR. With Parsing and Analysis. By A. M. WALMSLEY, M.A. Second Edition. 2s.

"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association*.

SPELLING AND PUNCTUATION (with Passages for Dictation). By HARRY SHOOSMITH, M.A., Modern Language Master, Wandsworth Technical Institute Secondary School. Second Edition. 1s.

"Very seldom have we seen any book which deals so thoroughly with the difficult subject of teaching and learning to spell."—*Educational News*.

FRENCH COURSE, PRELIMINARY. By H. J. CHAYTOR, M.A., and H. E. TRUELOVE, B.A. Second Edition. 2s.

"An excellent first year's work, well arranged on systematic lines, with due regard to the advantages of the Direct Method, and also to the necessity for thoroughness in the acquisition of the language."—*Athenæum*.

FRENCH COURSE, NEW JUNIOR. By G. A. ROBERTS, M.A., Head Master, Russell Hill School, Purley. 3s. 6d.

"The book becomes a serious rival to those existing."—*Schoolmaster*.

FRENCH READER, NEW JUNIOR. By J. P. R. MARICHAL, L. ès L. and L. J. GARDINER, M.A. 2s. 9d.

"Consists of well-chosen literary extracts in French."—*Education*.

GEOGRAPHY, PRELIMINARY. By E. G. HODGKISON, B.A. 2s.

"An admirable textbook, clear direct."—*Literary World*.

GEOGRAPHY, JUNIOR. By G. C. FRY, M.Sc. 3s. 6d.

"The matter is well arranged, the maps and diagrams are good, and the questions at the end of each chapter render the book a thoroughly practical aid."—*Schoolmaster*.

GEOGRAPHY OF ENGLAND AND WALES, A PRELIMINARY. By ERNEST YOUNG, B.Sc., F.R.G.S., Head Master, County School, Harrow. 1s. 6d.

"A capital book, written in simple language, and containing abundant sketch maps of the right kind."—*London Teacher*.

HISTORY OF ENGLAND, PRELIMINARY. By M. K. ELLIOTT, Honours in the Historical Tripos, Cambridge, and M. S. ELLIOTT, B.A., Cambridge Geography Diploma. With Illustrations. 2s. 9d.

"In addition to an outline of political events it tries to give some idea of social and constitutional development, and also to connect history with geography. It is clearly written and well illustrated."—*School World*.

HISTORY OF ENGLAND, SCHOOL. By M. E. CARTER, Honour School of Modern History, Oxford. 4s. 6d.

"Very careful judgment has been exercised in the selection of the matter, and a proper perspective maintained."—*Educational Times*.

LATIN COURSE, NEW JUNIOR. By J. V. THOMPSON, M.A., and LL. M. PENN, M.A. 4s. 6d.

"A very successful compromise between the old and the new methods—a combination of what is best in both."—*Journal of the Assistant Masters' Association*.

SHAKESPEARE, THE JUNIOR. "As You Like It," "Macbeth," "Merchant of Venice," "Much Ado About Nothing," "Tempest." Each 1s. 9d.

"To junior students taking up a detailed study of Shakespeare for the first time these editions will be invaluable."—*Schoolmaster*.

Complete Educational Catalogue, and separate Catalogues of Class Books for Preparatory Schools, the Oxford and Cambridge Local, and the College of Preceptors Certificate Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

call God and the immortality of soul—by exactly those rationalistic principles which the growing mind of an intelligent boy is apt to regard as sacrosanct. Unfortunately, not every classical schoolmaster is competent to give this instruction, and some textbook which shall expound the main development of Greek speculation up to Aristotle, in language sufficiently simple to be understood by schoolboys, is urgently required.* Meanwhile I append a scheme which shows in outline how such instruction may be imparted.

1. The earliest theological interpretation of the universe springs from the imagination of primitive savages, whom thunder and lightning induce to assume a Zeus. After a stage of animism this is developed by the poets (Herodotus mentions Hesiod and Homer) into an organized system of anthropomorphism.

2. The Ionian physicists (*i.e.* Thales, Anaximander and Anaximenes of Miletus, and Heraclitus of Ephesus), realizing that such an interpretation is largely the work of imagination, attempt a purely materialistic explanation of phenomena, but are unable to explain motion on such an hypothesis.

3. After the breakdown of materialistic monism comes a transitional stage represented by Pythagoras, Xenophanes, and the Eleatic Monists (Parmenides and Zeno), who regard our sense-presentations as illusion, and find reality in an underlying One, of which all we can say is that *It is*. The discrepancy between this Eleaticism and phenomena is emphasized by the speculations of Empedocles and Anaxagoras, and leads—in the atomism of Democritus and Leucippus—to an explanation of reality as a materialistic pluralism. But this atomistic explanation of reality is so different from our sense-presentations that philosophy is inevitably led to propound a theory of knowledge, which is developed in—

4. The Age of the Sophists, with an emphasis upon the subjective side of things.

5. Socrates criticizes subjectivity in the sphere of ethics, and his theory of conduct is fully developed by—

6. Plato, who evolves an idealistic interpretation of the universe, which gives a right significance to the subjective aspect of things without impairing the immutability of our moral judgments.

7. Aristotle follows with his teleological conception of the world.

It is, of course, impossible in a letter to do justice to this scheme, but those who are familiar with the subject will have no difficulty in showing how the breakdown of Ionian Monism, and the treatment, by Plato and Aristotle alike, of the soul as *ἀρχὴ κινήσεως* proves the existence of some spiritual force in the world, and that this spiritual force necessitates both the immortality of soul and the existence of what philosophers call a First Cause and theologians call God. These two facts can be proved rationally, and what I mean by speaking of the lack of religious instruction as the greatest defect of our educational system is simply that it makes no attempt to give any rationalistic instruction on these two fundamental points of all religious speculation.

R. B. APPLETON.

THE SUPERANNUATION ACT.

To the Editors of *The Journal of Education and School World*.

SIRS,—There must be several masters and mistresses in English secondary schools whose past service has included work in schools in Ireland. Apparently service in Great Britain is alone to count towards superannuation. I have communicated with the Board of Education, asking whether service in Ireland will count, and have received a reply that stress of work prevents any direct answer to my question, but that I am at liberty to include my Belfast service in my 10 Pen. Form, and that they will allow it or disallow it, as they think fit, or words to that effect.

This decision not to make a decision is, to my mind, most unfortunate, and I should be glad if any teacher interested in the question of service outside England, Wales, and Scotland, counting or not towards superannuation, would communicate either with Dr. J. W. Bearder, The Grammar School, Northallerton, or with myself.

WALTER HARRIS.

Longton High School, Stoke-on-Trent.

July 8, 1919.

THE COMPILATION OF STATISTICS.

To the Editors of *The Journal of Education and School World*.

SIRS,—1. It is a matter of common knowledge to all who have had occasion to use official statistics, whether published or departmental, that the national and imperial equipment for obtaining and

publishing statistical data is very imperfect in its scope and inadequate in its machinery.

2. Further, the efforts made are departmental, are under no common controlling or directing authority, and suffer very gravely from lack of co-ordination.

3. There is no need to adduce proofs of these statements, nor to enumerate the various efforts, fruitless in the main, which have hitherto been made to remedy these defects.

4. The Council of the Royal Statistical Society have appointed a Special Committee to deal with the subject, in the belief that the time is now ripe for a new movement in the direction of reform, and that the consciousness of the existing defects is present to the minds of His Majesty's Ministers, Members of Parliament, and Civil Servants, as well as to others interested in statistics.

5. It is proposed to petition His Majesty's Government to set up a Parliamentary Committee to examine the whole question of the collection and presentation of public statistics, and to report on means of improvement. It is believed that this method of procedure is more likely to be effective than the pressing of specific proposals on His Majesty's Ministers.

6. The officers of local government and other public bodies, as well as of scientific societies, are being invited to bring the matter at once before their Councils. Moreover, publicists and others who are known to be interested are being approached directly.

7. We ask the courtesy of your columns to lend support to this movement, and we invite your readers to help with their influence and signatures.

8. The Council will be glad if all who are disposed to sign such a petition would communicate with the Secretary, Official Statistics Committee, Royal Statistical Society, 9 Adelphi Terrace, W.C.2. A copy of the petition will then in due course be sent to them for signature.—I am, Sirs, your obedient servant,

GEOFFREY DRAGE,

Chairman, Official Statistics Committee.

Royal Statistical Society,

9 Adelphi Terrace, W.C.2.

July 10, 1919.

BOOKS OF THE MONTH.

Classics.

Companion to Diaconus. By G. G. Loane. Macmillan. Price 6s. net.

Education.

Psychology and Parenthood. By H. A. Bruce. Heinemann. Price 7s. 6d. net.

The Education (Scotland) Act, 1918. With Annotations. Edited by Dr. John Strong. Oliver & Boyd. Price 4s. 6d. net.

The School in the World. By Hilda Savage. United Council for Missionary Education. Price 4d. net.

What Will My Pension Be? By E. H. Allen. Evans. Price 1s. net.

The English Public School. Edited by J. H. Whitehouse. Richards. Price 5s. net.

The English Elementary School. By A. W. Newton. Longmans. Price 6s. net.

English.

Macaulay's Essay on Frances Burney (Madame D'Arblay). With Introduction and Notes by A. D. Greenwood. Macmillan. Price 1s. 6d.

Shakespeare: Cymbeline. Edited by A. R. Weekes. University Tutorial Press. Price 2s. 3d.

The Talisman. By Sir Walter Scott. Edited, with Notes, by C. B. Wheeler. Clarendon Press. Price 3s.

Australasian Literature Primers: Pope. By R. L. Blackwood. Whitcombe & Tombs. Price 1s. 6d.

Geography.

Graphic Diagram illustrating the Representation of Land-Forms by Contours. Sifton, Praed. Price 5s.

"The Oxford Geographies."—A Physiographical Introduction to Geography. By Dr. A. J. Herbertson. Third Edition, revised by O. J. R. Howarth. Clarendon Press. Price 2s.

History.

Select Extracts from Chronicles and Records relating to English Towns in the Middle Ages. Edited, with Introduction, Notes, and Glossary, by Prof. F. J. C. Hearnshaw. S.P.C.K. Price 9d. net.

(Continued on page 526.)

* I myself hope to publish a book on these lines some day.

WINTER SPORTING GOODS

Write for
Catalogue



Have you placed your orders for the coming
winter season?

Stocks will be very limited, and unless orders
are booked in advance you will be disappointed.

FOOTBALL BOOTS, KNICKERS,
FOOTBALLS, HOCKEY STICKS,
JERSEYS AND SWEATERS.

BOXING GLOVES,
PUNCHING BALLS,
MEDICINE BALLS.

WISDEN'S SPECIAL SCHOOL FOOTBALL,
made expressly for Preparatory School Matches.



As used exclusively at the
NATIONAL SPORTING CLUB.



JOHN WISDEN & CO., LTD.,

Manufacturers and Complete Athletic Outfitters,

Established
1855.

23 Cranbourn St., London, W.C.2.

(Next door to Leicester Square Tube Station.)

FACTORIES: Tonbridge, West Ham, and Highgate.

Telegrams: "Wisden, Westrand, London."

Telephone: Gerrard 2120.

- India's Nation Builders. By D. N. Bannerjee. *Headley*. Price 7s. 6d. net.
- Historical Portraits, 1700-1850. Lives by C. R. L. Fletcher. Portraits chosen by Emery Walker. With Introduction by C. F. Bell. Part I (Vol. III of the Series), 1700-1800. *Clarendon Press*. Price 12s. 6d. net.
- Annual Bulletin of Historical Literature, No. VIII, dealing with Publications of the Year A.D. 1918. Edited by Prof. F. J. C. Hearnshaw. *Historical Association*.
- The Right to Work. By J. A. R. Marriott. Reprint. *Clarendon Press*. Price 1s. 6d. net.
- Readings in the Economics of War. Edited by J. M. Clark, W. H. Hamilton, and H. G. Moulton. Second Impression. *University of Chicago Press*. Price 3 dols. net.
- A Short History of French Literature. By W. H. Hudson. *Bell*. Price 6s. net.
- A Source-Book of Australian History. Compiled by G. H. Swinburne. *Bell*. Price 5s. net.
- (1) China's Position in International Finance. (2) China and the League of Nations. By Dr. V. K. W. Koo and Cheng-Ting Wang. *Allen & Unwin*. Price 3d. net each.

Mathematics.

- Descriptive Geometry. By H. W. Miller. Fourth Edition. *Chapman & Hall*. Price 7s. net.
- Introductory Mathematical Analysis. By Dr. W. P. Webber and Prof. L. C. Plant. *Chapman & Hall*. Price 9s. 6d. net.
- Number Stories of Long Ago. By D. E. Smith. *Ginn*. Price 2s. 3d. net.
- Number Puzzles before the Log Fire. Being those given in the "Number Stories of Long Ago." By D. E. Smith. *Ginn*. Price 6d. net.

Miscellaneous.

- Essays in Common-Sense Philosophy. By C. E. M. Joad. *Headley*. Price 8s. 6d. net.
- The Jews of the Empire and the Great War. By Rev. M. Adler. *Hodder & Stoughton*. Price 1d.
- Transport. By J. P. Griffiths. *Philip*. Price 2s. 6d.
- A Textbook on Retail Selling. By H. R. Norton. *Ginn*. Price 5s. 6d. net.

- Mr. Perrin and Mr. Traill. By Hugh Walpole. New Edition. *Macmillan*. Price 3s. net.
- The Wooden Horse. By Hugh Walpole. New Edition. *Macmillan*. Price 3s. net.
- The Land They Loved. By G. D. Cummins. *Macmillan*. Price 6s. net.
- A Reasonable Revolution. By B. Pickard. *Allen & Unwin*. Price 2s. 6d. net.
- The Four Horsemen of the Apocalypse. From the Spanish of V. B. Ibañez. Authorized Translation by C. B. Jordan. *Constable*. Price 6s. net.
- Brightest England and the Way In. By H. Cecil and Others. *Allen & Unwin*. Price 1s. net.
- The Undying Fire. By H. G. Wells. *Cassell*. Price 6s. net.
- School Swimming Baths. Compiled and Published by the Amateur Swimming Association Education Committee. *F. Baxter*, 46 Birch Lane, Longsight, Manchester.
- Board of Agriculture and Fisheries: Guides to Small Holders.—(1) Pig-keeping; (4) The Small Holder's Horse; (5) Farm Crops; (6) Soils and Manures; (7) Fruit Growing on Small Holdings in England and Wales; (9) Potato Growing on Small Holdings; (10) Market Garden Crops on Small Holdings; (11) Poultry-keeping for Small Holders. *Board of Agriculture and Fisheries*. Price 2d. each post free.
- The People's Health. By W. M. Coleman. (Reprint.) *Macmillan*. Price 3s. 6d. net.
- The Land Question Solved! By H. A. Day. *Methuen*. Price 2s. 6d. net.

Modern Languages.

- French Tables. By H. Puckle. *Bell*. Price 1s. 6d. net.
- Easy Russian Reader. By E. C. White. *Kegan Paul*. Price 3s. net.
- Victor Hugo: Ruy Blas. Edited by H. L. Hutton. *Clarendon Press*. Price 3s. 6d. net.
- A School Grammar of Present-Day French. By J. E. Mansion. *Harrap*. Price 3s. 6d. net.
- Matriculation Spanish Course. By Prof. J. B. Price. *Sleaford: The Grammar School*. Price 4s. net.
- Teachers' College, Sydney (New South Wales).—The Initial Stage in French by the Direct Method: Part II. By E. G. Waterhouse and J. A. Snowden. Sydney: *W. A. Gullick*.

(Continued on page 528.)

EMPIRE STUDY.

FACILITIES OFFERED TO EDUCATIONALISTS BY THE VICTORIA LEAGUE.

The aim of the Victoria League is to promote mutual understanding, help, and intercourse between all citizens of the British Empire, and to provide an organization through which members of that Empire may come into personal touch with one another, and obtain the understanding which comes of mutual service. The Victoria League is outside all party politics, and comprises men and women of every shade of political opinion, who work together to further its ends.

The Education Committee of the Victoria League aims at doing specialized educational work. For an annual affiliation fee of 5/-, schools may obtain the loan of lantern slides, with lecture notes, of stereographs and stereographic pictures, and of collections of specimens of products and manufacture. Another advantage is the use of a good lending library of books, dealing with the history and geography of the Empire. Correspondence links with schools overseas are also arranged.

Full particulars may be obtained from the Secretary of the Victoria League, King's Court, 48 The Broadway, Westminster, S.W.1.

MUSIC

for the

AUTUMN TERM.

JOSEPH WILLIAMS LIMITED

invite all professors and teachers of music on the "look-out" for good material of educational value to **write and inquire of**

Our School Department

stating their needs.

Teachers and Schools should also write for our Descriptive Catalogues and Lists, also our **Booklet of Thematic Extracts** from over **400 pieces (56 pages)**, post free **6d.**, and for full information regarding our

"On Approval" Parcel System.

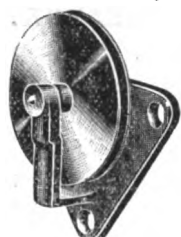
Dept. "J.W."

London:

JOSEPH WILLIAMS LIMITED,
32 GREAT PORTLAND STREET, W.1.

PULLEYS AND PULLEY BLOCKS FOR THE Mechanical Laboratory

A large number of well designed and well made Pulleys will be available at an early date.



2900

They are accurate and sensitive, and will remain serviceable for many years.

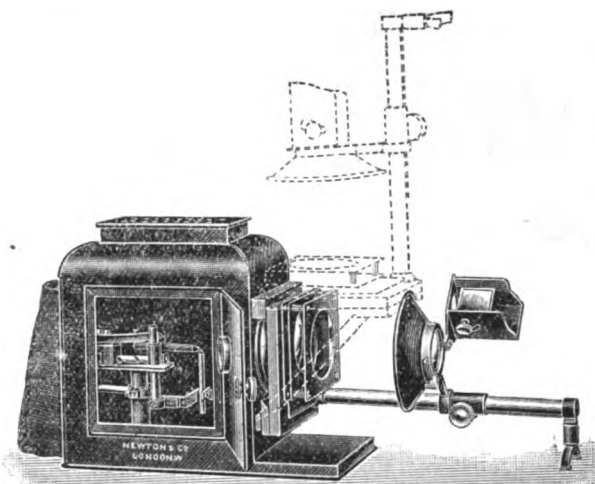
Requisitions should be made without delay to secure delivery.

G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.
London Office: 231 Strand, W.C.2.

OPTICAL LANTERNS AND SLIDES

for use in

**COLLEGES, SCHOOLS, and other
EDUCATIONAL INSTITUTIONS.**



**SCIENCE LANTERNS for
LECTURES and DEMONSTRATIONS.**

NEWTON & CO.

(Established over 200 years),

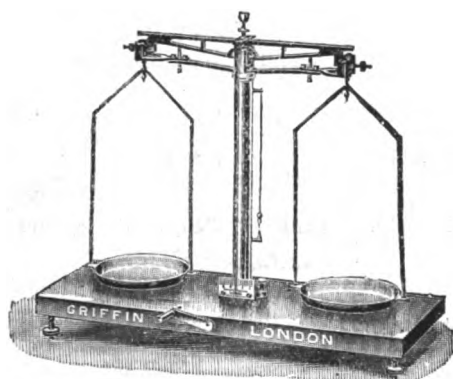
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.

KEMBLE STREET,

KINGSWAY, LONDON, W.C.2.

**MAKERS OF PHYSICAL AND
ELECTRICAL INSTRUMENTS.**



PHYSICAL BALANCES

MANUFACTURED BY

GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLenkAMP

—& Co., Ltd.—

19-21 SUN STREET
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—

H. G. JARROM
J. DAVIES
F. DIXON

BRITISH MADE GLASSWARE.

Beakers, Flasks, Basins, Funnels, Bell Jars,
Aspirators, Condensers, Hydrometers,
Thermometers, &c.

BRITISH MADE PORCELAIN.

Basins, Crucibles, Casseroles, Dye Pots,
&c.

BRITISH MADE FILTER PAPERS.

To replace the various S & S qualities.

BRITISH MADE NICKEL WARE.

Basins, Crucibles, Spatulas, &c.

Prices on Application.

Telephone—LONDON WALL 1404 & 1405.
Telegrams—"GALLenkAMP, FINSQUARE, LONDON."

Music.

- Goodwill. By M. Macnamara. Music and Dances by A. Dolmetsch and E. M. G. Reed. *Evans*. Price 2s. net.
- Series of Anthems and Church Music.—A 17: Lord God, We Worship Thee. Words by C. Winkworth. Set to Music by A. M. Goodhart. *The Yearbook Press*. Price 2d.
- "The Yearbook Press Series of Unison and Part Songs."—158: England. The words paraphrased from John o'Gaunt's Speech in Shakespeare's "King Richard II" by Sir E. Howard. Set as a Unison Song by C. H. H. Parry. Price 3d.
- The Laureate Song Book: Part II. Adapted and Fitted with New Settings by T. F. Dunhill. *Edward Arnold*. Price 2s.
- Twelve Songs of the British Isles. For Choirs without Tenors. Arranged by H. J. Taylor. *Edward Arnold*. Price 1s. 6d.
- The Elements of 'Cello Technique. (Reprinted from *The Music Student*.) Ipswich: W. E. Harrison. Price 1s.

Religious Knowledge.

- The Book of the Prophet Jeremiah. With Introduction and Notes by L. E. Binns. *Methuen*. Price 16s. net.
- Texts for Students.—No. 9: The Inscription on the Stone of Méša, commonly called the Moabite Stone. By H. F. B. Compston. *S.P.C.K.* Price 6d. net.
- Talks on Palestine. *United Council on Missionary Education*. Price 1s. net.
- Translation of Early Documents.—Tractate Sanhedrin: Mishnah and Tosefta. Translated from the Hebrew, with Brief Annotations by H. Danby. *S.P.C.K.* Price 6s. net.
- Translations of Christian Literature.—Series III, Liturgical Texts: The Pilgrimage of Etheria. By M. L. McClure and Dr. C. L. Feltoe. *S.P.C.K.* Price 6s. net.
- The Early Christian Books. By W. J. Ferrar. *S.P.C.K.* Price 3s. 6d. net.
- The Inspiration and Authority of Holy Scripture. By G. D. Barry. *S.P.C.K.* Price 4s. 6d. net.
- Utopia according to Moses. By M. D. R. Willink. *S.P.C.K.* Price 6s. 6d. net.
- Reconciliation and Reality. By W. F. Halliday. *Headley*. Price 5s. net.
- The Longer Commentary of R. David Kimchi on the First Book of Psalms (I-X, XV-XVII, XIX, XXII, XXIV). Translated from the Hebrew by R. G. Finch. With an Introduction by Prof. G. H. Box. *S.P.C.K.* Price 7s. 6d. net.

Science.

- Advanced Lecture Notes on Light. By J. R. Eccles. *Cambridge University Press*. Price 7s. 6d. net.
- The School Gardener. By J. Norris. *Cassell*. Price 2s.
- "English Public Health Series."—(1) Infant and Young Child Welfare. By Prof. H. Scurfield. (2) The Story of English Public Health. By Sir Malcolm Morris. *Cassell*. Price 5s. net each.
- The Care of the Nose and Throat. By W. Stuart-Low. *Baillière*. Price 3s. 6d. net.
- "The Progressive Science Series."—Heredit. By Prof. J. A. Thomson. Third Edition. *Murray*. Price 15s. net.
- Textbook of Embryology. By Prof. J. G. Kerr. Vol. II: Vertebrata (with the exception of Mammalia). *Macmillan*. Price 31s. 6d. net.
- Productive Agriculture. By Prof. J. H. Gehrs. *Macmillan*. Price 5s. 6d. net.
- An Introduction to the Study of Science. By W. P. Smith and E. G. Jewett. *Macmillan*. Price 7s. 6d. net.
- Life and its Maintenance: A Symposium on Biological Problems of the Day. *Blackie*. Price 5s. net.
- Physical Laboratory Experiments for Engineering Students. By Prof. S. Sheldon and Prof. E. Hausmann. Part I: Mechanics, Sound, Heat, and Light. *Constable*. Price 6s. net.
- British Ferns and How to Identify Them. By J. H. Crabtree. *Epworth Press* (J. A. Sharp). Price 1s. 6d. net.
- Birdland's Little People. By Capt. O. G. Pike. *R.T.S.* Price 4s. 6d. net.

Verses.

- An Exile's Lute. By E. H. Harris. *Macdonald*. Price 3s. 6d. net.
- Poems. By Donald F. G. Johnson. *Cambridge University Press*. Price 4s. 6d. net.
- Cometh the Song. By W. G. S. Whiting. *Macdonald*. Price 3s. 6d. net.
- Songs of Search and Service, 1889-1918. By J. J. Robinson. *Macdonald*. Price 3s. 6d. net.

A. & C. BLACK'S GEOGRAPHIES

By **L. W. LYDE, M.A., F.R.G.S.**,
Professor of Economic Geography in the University
College of London.

SCHOOL GEOGRAPHIES.

SENIOR.

PRICE **2/6** EACH.

Containing Problems and Exercises,
illustrated with Diagrammatic Maps.

AFRICA.	BRITISH ISLES.
AMERICA, N.	BRITISH EMPIRE.
AMERICA, S.	EUROPE.
ASIA.	AUSTRALASIA &
	EAST INDIES.
SCHOOL GEOGRAPHY OF THE WORLD.	Price 5/-
A SHORT TEXTBOOK OF GEOGRAPHY.	Price 5/-
Illustrated with 83 Diagrams.	
COMMERCIAL GEOGRAPHY. Elementary.	Price 4/6
MAN IN MANY LANDS.	Price 3/6

JUNIOR.

PRICE **2/-** EACH.

Containing many Maps and Illustrations, also Problems
and Exercises illustrated with Diagrammatic Maps.

ENGLAND AND WALES, III.	AFRICA, Va.
BRITISH ISLES, IVa.	ASIA, Vb.
EUROPE, IVb.	THE AMERICAS, Vo.
BRITISH EMPIRE, IVc.	

By **J. B. REYNOLDS, B.A.**

REGIONAL GEOGRAPHIES.

SENIOR.

PRICE **3/6** EACH.

Containing many Illustrations, Maps, and Diagrams.

THE BRITISH ISLES.	THE AMERICAS.
EUROPE & the Mediterranean Region.	ASIA.
	AFRICA and AUSTRALASIA.

THE WORLD. Containing 147 Maps and Diagrams (5/-).

JUNIOR.

PRICE **3/-** EACH

Containing many Illustrations, Maps,
and Diagrams.

CREAT BRITAIN and IRELAND.	EUROPE & the Medit. Region.
IRELAND and Great Britain in Outline.	THE AMERICAS.
BRITISH EMPIRE with its World Setting.	ASIA.
	THREE SOUTHERN CONTINENTS.

THE WORLD. Containing 78 Maps and Diagrams (4/6)

BEGINNERS'.

PRICE **1/8** EACH.

Containing 36 page Illustrations, 15 of which are in colour.

ASIA.	AFRICA and
THE AMERICAS.	AUSTRALASIA.
BRITISH ISLES.	EUROPE (in preparation).

A. & C. BLACK, Ltd.,
4, 5, & 6 Soho Square, London, W. 1.

TEACHERS' CHRISTIAN UNION.

Associated with the Y.M.C.A. and the Y.W.C.A.

President: The Rev. Canon A. A. DAVID, D.D., Head Master of Rugby.
Vice-Presidents: Miss M. H. Wood, M.A., Litt.D., Principal of the Cambridge Training College.
The Rev. Canon W. TEMPLE, D.Lit.

THE REPORT of the TEACHERS' CHRISTIAN UNION CONFERENCE upon "Ideals and Problems of Religious Education," held at Swanwick last April, containing speeches by Miss M. H. Wood, The Rev. Canon B.H. Streeter, Miss Waterhouse, Professor Cock, The Rev. Canon R. H. Kennett, Mr. Albert Mansbridge, Mr. J. L. Paton, and discussions upon "The Religious Education of Children, Adolescents, and Adults," is now on sale and can be obtained from

The Secretary, Teachers' Christian Union,
16 Russell Square, London, W.C.1.

Price 2s. net, 2s. 2d. post free.

Also "The Religious Education of the Adolescent," by Professor A. A. Cock published separately, 6d. net, 7d. post free.

LA PETITE REVUE

(Reliance Press, London.)

Do your Pupils take it? Vol. IV STARTING.

Bound Volumes. For boys and girls. It keeps them keen.
Parcels, post free, three times a term at the rate of 6d. per pupil, and pro rata. 276 go to ONE London school.

H. J. PURKISS,
THE KING'S SCHOOL, GRANTHAM.

Give us a trial for the neat, prompt, and accurate execution of all kinds of

TYPEWRITING WORK.

Testimonials a speciality.

THE CAXTON TYPEWRITING CO.,
3 Paton Street, Manchester.

EDUCATIONAL BOOKS PRE-WAR PRICES.

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

BOOKS

On Educational,
Scientific, Medical,
Law, Theological and
ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.
BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants. Books Bought.
W. & G. FOYLE, 121/123 Charing Cross Road, London, W.C. 2.

NOTICE.

Increase in price of back numbers of
"The Journal of Education."

Copies of *The Journal of Education* over twelve months old are now charged **double price**, and those more than three years old, **treble price**.

For a list of Numbers, Volumes, and Binding Cases, still in print, apply to the Publisher:

Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4.

DUSTLESS and HYGIENIC ROOMS

USE In SCHOOLS, LABORATORIES, &c.
The British Made and Owned

FLORIGENE

(A Regd. Name suggested by FLOOR-HYGIENE)

EARLY in the SUMMER VACATION
for best results.

"Florigene" has been continuously used for many years on **Wood, Concrete, and Stone Floors** of every description, also on **Linoleum and Cork Matting** in Government and Municipal Buildings, and in all kinds of Schools, and other Institutions in the United Kingdom and Colonies.

"Florigene" costs little, is easily applied by unskilled, and saves time and labour.

It is **IMPORTANT TO NOTE** that

ONE APPLICATION of "Florigene" **ALLAYS** THE DUST and DIRT for 2 to 12 months, according to traffic, not only during each sweeping (without Sprinkling of any kind) but also throughout all the intervening periods — which is of greater hygienic importance.

These sanitary, labour-saving, and economic advantages are **NOT** attained by sweeping-powders or any other method.

Not sticky—the ordinary daily dry sweeping alone required—Scrubbing being optional.

"Florigene" is an aid to the prevention of throat and other diseases, has been awarded the **MEDAL** of the **ROYAL SANITARY INSTITUTE**, and is strongly recommended by Medical and other expert authorities.

A Grammar School Head Master writes:—

"We have used your 'FLORIGENE' for several years in this School, and we have found it excellent in keeping down dust, which is now never to be seen anywhere. I believe the health of this School has been better since. The air is certainly more pleasant to breathe when movements are going on; there is also a great saving of labour in cleaning."

Numerous other Testimonials can be produced.

Send for particulars, Medical Reports, &c., to

"DUST-ALLAYER" CO.,
4 Vernon Place, Bloomsbury Square,
LONDON, W.C. 1.

Contractors to Admiralty, War Office,
India Office, H.M. Office of Works, L.C.C.,
and Colonial Governments &c., &c.

A SELECTION FROM METHUEN'S EDUCATIONAL LIST

Catalogue and Announcement List sent on application

SCRIPTURE

- A Child's Life of Christ.** By **Mabel Dearmer**. With 8 Illustrations in Colour. Fourth Edition. Large Crown 8vo. **6s.**
- The Gospel According to St. Mark.** Edited by the **Rev. A. E. Rubie, D.D.** With 3 Maps. Second Edition. Crown 8vo. **2s. 3d.**
- The Acts of the Apostles.** By the same Editor. With 3 Maps. Second Edition. Crown 8vo. **3s.**
- Old Testament History for Use in Schools.** By the **Rev. W. F. Burnside, M.A.** With 3 Maps. Eighth Edition. **5s.**
- A Primer of the Bible.** By **Prof. W. H. Bennett, M.A., D.D., Litt.D.** With Bibliography. Fifth Edition. **4s.**

ENGLISH

- Junior English.** By **F. J. Rahtz, M.A., B.Sc.**, Merchant Venturers' College, Bristol. Fifteenth Edition. **2s. 3d.**
- English Composition.** By the Same. Second Edition. **2s. 3d.**
- English Literature for Schools.** By **Edith E. Firth**, Croydon High School. With 4 Maps. Second Edition. **3s. 6d.**
- Ballads of the Brave.** Poems of Chivalry, Courage, and Constancy. Selected and arranged by **Canon F. Langbridge, M.A., D.Lit.**, Limerick. Fifth Edition, with additional Notes. Crown 8vo. **5s.**
- A Primer of Tennyson.** By **Prof. W. Macnelle Dixon, M.A., Litt.D.**, University of Glasgow. Third Edition. Crown 8vo. **5s.**

HISTORY

- Stories from Ancient History.** By **E. Bowyer, B.A., B.Sc.**, Owen's School, Islington. With 2 Maps. Third Edition. **2s. 3d.**
- A First History of Greece.** By **Edith E. Firth**, Croydon High School. With 7 Maps. Third Edition. **2s. 3d.**
- An Introduction to the History of Rome.** By the **Rev. H. N. Asman, M.A., B.D.**, Owen's School, Islington. With Maps and Illustrations. **4s.**
- A Constitutional History of England.** By **A. M. Chambers**, Bedford High School. Fifth Edition. **7s.**
- A Student's History of Scotland.** By **David W. Rannie, M.A.** With 4 Maps. **5s.**

FRENCH

- Intuitive French.** A Year's Course for Beginners. By **M. Verdon**, Rotherham Grammar School. Second Ed. **3s. 6d.**
- Nouvelle Grammaire Française.** By **J. G. Anderson, B.A.**, Examiner to London University. **3s.**
- Exercices de Grammaire Française.** By the Same. **2s. 3d.**
- French Prose Composition.** By **R. R. N. Baron, M.A.**, Cheltenham Grammar School. Sixth Edition. **3s. 6d.** Key. Second Edition. **3s. 6d.**
- A Manual of French Commercial Correspondence.** By **S. E. Bally**, Manchester Grammar School. Fifth Edition. **3s.**

LATIN AND GREEK

- First Latin Lessons.** By **A. M. M. Stedman, M.A.** Revised by C. G. BOTTING, M.A., St. Paul's School. Fifteenth Edition. **2s. 6d.**
- A Junior Latin Prose.** By the **Rev. H. N. Asman, M.A., B.D.**, Owen's School, Islington. **3s. 6d.**
- A Shorter Greek Primer.** By **A. M. M. Stedman, M.A.** Revised by C. G. BOTTING, M.A. Seventh Ed. **2s.**
- Passages for Unseen Translation (LATIN and GREEK).** By **A. M. Cook, M.A.**, and **E. C. Marchant, M.A.** Seventh Edition. **5s.**
- Notes on Greek and Latin Syntax.** By **G. Buckland Green, M.A.**, Edinburgh Academy. Fifth Edition. **5s.**

MATHEMATICS AND SCIENCE

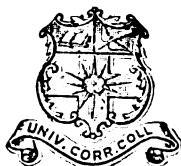
- Easy Exercises in Algebra.** Containing 3,500 Examples. By **W. S. Beard**. Fourth Edition. Without Answers, **2s. 3d.**; with Answers, **2s. 6d.**
- Practical Geometry for Schools.** By **Sidney A. Switzer**, County Secondary School, Paddington. With 300 Diagrams. **3s.**
- A Junior Geometry.** By **Noel S. Lydon**, Owen's School, Islington. With 255 Diagrams. Eighth Edition. **3s.**
- First Year Physics.** By **C. E. Jackson, M.A., H.M.I.S.** With 51 Diagrams. Third Edition. **3s.**
- A Junior Chemistry.** By **E. A. Tyler, M.A., F.C.S.**, Swansea Technical College. With 78 Diagrams. Tenth Edition. **4s.**

METHUEN & CO., LTD., 36 ESSEX STREET, LONDON, W.C.2.

University Correspondence College

(FOUNDED IN 1887.)

Principal: WM. BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.



Free Guides

to

LONDON UNIVERSITY MATRICULATION

INTERMEDIATE ARTS, INTERMEDIATE SCIENCE,
B.A., B.Sc.

University Correspondence College

OFFERS THE FOLLOWING

SPECIAL ADVANTAGES.

Tutors in Residence,

who correct the Student's answers promptly, and return them while the difficulties are still fresh in his mind.

Tutors giving their whole time

to the work of the College.

Specialists for each subject,

the majority of whom are First Class Honourmen.

Full Notes to each Lesson

in all Subjects.

Printed or Typewritten Lesson Papers.

Detailed Schemes of Science Practical Work

for Inter. Science, Inter. Arts, B.Sc., and B.A. Pass Examinations.

The above-mentioned Guides, post free to Private Students
from the Secretary,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	... £5 10 0	One Column [$\frac{1}{2}$ page]	£3 0 0
Half Column [$\frac{1}{2}$ page]	1 15 0	One-Eighth Page	... 0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—
6d. per line; minimum charge, 5s.

Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d.
prepaid rate.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each
8 words after, 6d.; *prepaid rate.*

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C.4:

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London Joint City and Midland Bank, Ludgate Branch." *Postage stamps can only be received at the rate of thirteen to the shilling.*

Notice must be given of all remittances through the Post Office from abroad, stating full name and address of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

THE NEW GERMANY.

By Prof. L. W. LYDE.

THE new Germany is new only in area and outline, not in the character and conduct of its people; and the geographical aspects of the Treaty must—more is the pity—be studied in the light of Froissart's bit of gossip to Queen Philippa: "If we take a French knight prisoner, we send him home for his ransom; but, if we take a German knight, we keep him till his ransom comes."

The Treaty marks the end of one epoch, begun after Waterloo, during which the world has been industrialized—to its exceeding discomfort, and towards the end of which (1910) Britain was ousted from the first place in the iron industry of the Old World by Germany, through the use of cheap, unorganized, foreign labour, mainly Slav and Italian. This marked the triumph of a mechanical industrialism, in which the individual was nothing, and a State in the tribal stage of development—with a tribal deity of its own and other obsolete monopolies—was placed above the common spirit of Man.

It marks also the beginning of another epoch, in which a number of vital truths are going to be realized about that common spirit of Man—to the confusion of international, *i.e.* anti-national, finance. The most vital is the biological truth that survival is won only by capacity for variation to suit environment, abstract and concrete. On an earth of infinite variety it is quite futile to try to impose uniforms and uniformity, and the attempt is a crime against the *genius loci*. To-day the victorious reaction against this criminal folly has embodied in our Treaty a belief in the individual and a defence of small peoples, in whom the rise of national sentiment, based on the spread of education, is of democratic, not dynastic, origin. How far have we removed from Central Europe "the means to do ill deeds"? In answering the question, it is im-

possible to dissociate the various aspects of geography, especially to dissociate the political from the economic.

Historically, the frontier of the "occupied territory" in the west takes us straight back to the Roman Empire when facing the barbarian inroads; the special treatment of the Sarre basin reminds us of the Treaty of Verdun (843 A.D.), with its suggestive name; the whole site of the Moravo-Bohemian unit and the northern portion of Poland east of the Vistula—if the plebiscite is not vitiated by tactics similar to Bismarck's in Schleswig during 1864—will be exactly the same as 800 years ago; and France is the France of 1740.

Politically, the plebiscite areas present a real crux, for it is impossible to understand the exact principle or intention underlying either the application of the particular method of self-determination or the differentiation between the League of Nations, entrusted with Danzig, and the Allied and Associated Powers, entrusted with the Memel enclave. In the whole of the Malmédy district, over four-fifths of Upper Silesia, three-fourths of Schleswig, and two-thirds of the Masurian lakeland, a plebiscite is imposed where no geographer has any serious doubts as to the racial type; but in Schleswig, Silesia, and Masuria plebiscites are *not* imposed upon adjoining areas where there is serious doubt. This is greatly to be regretted, as it gives an impression of dishonesty in the application of the principle, and will certainly mislead those who have no knowledge of the local conditions. After the treachery of 1864, the purely Danish part of Schleswig, at all events, might have been spared a second plebiscite; and the Report of the Polish Commission is not a document which deserved to be ignored.

Otherwise, the political aspects of the changes are understandable and defensible—at all events, where no vast industrial interests were at stake. For instance, the western frontier of Poland as far south as Lorzindorf, *i.e.* the outpost of the coalfield, follows with great accuracy the actual limit of Polish nationality. The political aspect here is essentially politico-economic, and international finance is involved, which makes the issue exceedingly doubtful; but strategically, in the interests of European peace, it was most desirable to cut Germany off in the east as well as in the west—without doubt or delay or any opportunity for intrigue—from such "means to do ill deeds" as are hidden in the coal- and metal-fields of Upper Silesia.

At the same time, Germany has lost a considerable amount of territory, especially in the north-east and the south-west. In the north-east, where the territorial loss is greatest, the real loss is of man-power and of easy access to the Baltic Provinces of "Russia," where the German domination—feudal and economic—has been "hampered," according to German authorities, by the paucity of Germans (6 per cent.) in the local population. In the south-west the loss is of mineral wealth and of the "monopoly" of Rhine transport. In 1913 Germany got 21,000,000 out of a total of 28,500,000 tons of iron ore from Lorraine, and in 1916 the Sarre coalfield produced 17,000,000 tons of coal—a small loss (8 per cent.) to Germany, but a great gain (over 40 per cent.) to France. The whole of this iron-field, of the Sarre coal- and salt-fields, of the Pechelbronn oil-field, and of the Mülhausen potash-field (now probably the richest in the world) is lost! What will be the total effect on German agriculture and German capacity for manufacturing munitions of war?

Amongst the small peoples, Belgium obtains full and exclusive possession of the Moresnet lead and zinc field, where the old dual control gave such opportunities for intrigue and arrogance, and recovers provisionally the key to the strategic railway by which Germany invaded her in 1914. Luxemburg, from which Germany got 6,500,000 tons of iron ore in 1913, and in which Germans had secured practical control of the blast furnaces, ceases to be within the Zollverein, and recovers all the rights of exploitation which Germans had contrived to acquire. Denmark recovers provisionally—*pace* Mr. Lloyd George in the House of Commons on July 3—a considerable part of Schleswig, in which a purely Danish population has been terribly ill-treated in recent years. Bohemia obtains the Silesian salient in front of Troppau, by which Prussia

won command of the Moravian Gate. Poland, if international finance is not too strong, again becomes a nation—under difficulties.

Apart from territorial concessions, Germany has "to devote her economic resources immediately to the physical restoration of invaded areas." This includes restoration, or equivalent provision, of animals, machinery, raw materials, &c. She specifically agrees to provide for ten years at least 7,000,000 tons of coal to France, 8,000,000 to Belgium, and from 4,500,000 to 8,500,000 to Italy, and to make good—up to 20,000,000 tons for the first five years—any deficit in the output of the northern coal-fields of France (the source of two-thirds of the total French supply) compared with their output in 1913. The "ton for ton" principle applies nominally to merchant ships, trawlers, fishing-boats, and the river fleet (up to 20 per cent. of its strength in November, 1913). There is to be absolute freedom of navigation for the Allies, along with perfect equality of treatment, on all inland waterways of Germany, and the Elbe, the Oder, the Danube, and the Niemen (now a frontier river) are to be definitely internationalized under a European Commission representing non-riparian as well as riparian States; and no fortifications of any kind are to be allowed along the Baltic west of 16° E.—*i.e.* a good fifty miles east of the mouth of the Oder.

In the delimiting of the new boundaries good use is made of old administrative lines, of change in racial type, of rivers, which separate lands without separating peoples; in disputable areas there is right of appeal (to the League of Nations) and of optional removal, at the expense of the particular Government; and local needs, *e.g.* for coal in the Sarre basin, are carefully protected. Mannheim, the most important harbour in Germany that is purely a river port, is *not* made a bridge-head; and, if Germany carries out her Treaty obligations, Cologne is to be handed back at the end of five years.

The Treaty reads rather *unreal*. Perhaps the unreality is partly due to the politician's preference for words that are vague and may have more than one meaning; but the main reason is undoubtedly what may fairly be called the plebiscite "bluff," which itself is rather exaggerated by an unfortunate choice of language. In any case, "never" is a stupid word to use in a treaty, especially when the authors hope to "ensure an early and complete discharge by Germany of all her obligations"; and any reference to "a Germany earnestly striving to exercise her full powers to repair the loss and damage done by her" surely needed to be supplemented by an emphatic assertion that the Allies had taken full notice of the fact that the war had been waged by Germany most ruthlessly in areas and against countries (*e.g.* Norway) from which her own industrial and commercial magnates experienced most competition in the critical years 1910–1914.

SCHOOL PUNISHMENTS.

By W. F. BUSHELL.

I.

IT is a common criticism among schoolmasters that when a new and inexperienced man arrives for his first term he receives little guidance in the matter of discipline. Discipline, he would say, is the foundation-stone of all good school work; it is the necessary accompaniment of all instruction and character training; school is an essentially autocratic society where discipline is regulated from above—a society which has but little voice in the framing of its laws; and he is called upon to hold an important position in inculcating that discipline and obedience on the part of his pupils. He has taken a degree in some subject, and is therefore presumed, even if untrained, to be competent to teach it; but not even the most optimistic supporter of the untrained can fairly urge that he has had, as a rule, any experience as a master in maintaining discipline. He has some recollection of being set punishments, in the dark ages

when he was at school, by irascible and over-wrought pedagogues. He has accepted punishments such as five hundred lines perhaps (for such atrocities still exist), as a law of fate, and might even resent their abolition as an outrage upon the customs and laws of school life. So one generation passes on to another not only the good, but also the evil side of punishment.

How, then, is he to learn? It would be outside my province to discuss the point in any detail here, but I cannot refrain from commenting on the fact that the conservative instinct which, at all events in some of our schools, has often opposed the appointment of trained men, has made little effort to enable junior men, when starting on their scholastic career, to visit other schools for the purpose of learning from some of the abler masters there—perhaps by sitting in their classrooms or perhaps by personal instruction. I think few of us could confess to having visited many schools in search of this classroom education, but great would be the inspiration every schoolmaster could have gained if he had listened to such a man as John Smith, of Harrow, or many another, conducting his class. However, I am digressing; but, before coming to the question of the forms of punishment which I am prepared to advocate, I want to discuss how far the need for punishment is getting greater or less, and how far modern methods have lessened the need.

It is now some years since there was started in Rome that great educational experiment on the mentally deficient by Mme Montessori, an experiment which was subsequently extended to infants of normal ability, and even later to older children; and perhaps we may date from that time the beginning of that great flood of literature, which has been poured out from the two points of view, sometimes called "The Primrose Path" and the "Mechanical Obedience Point of View" respectively.

The old theory in schools was more or less a theory of original sin, and I think, as far as boys are concerned, a number of the public still believe in it; this theory, as far as I understand it, lays down that the nature of children is really semi-evil; that their chief desire, or perhaps one of their chief desires, is to do wrong, and that it is only by perpetual punishment that this original sin can be removed. It is only necessary to read the life of some of the early nineteenth-century head masters to realize that this belief was formerly very general. On the other hand, the advocates of the Primrose Path, who demand the fullest liberty for the child, although they no doubt often go somewhat far, have a much finer conception of human nature.

Self-realization, as it is called, is very much in the air. It is said that the greater the liberty for the fullest development the less the need for punishment. Of course, it is in practical details that this theory seems to break down. If a class of twenty boys want to realize themselves by one pretending to be a special constable and another pretending to be an undertaker, and so on, the class system of our schools will be impossible. Herbert Spencer was one of the earlier and more authoritative advocates of this school, and reserves a good deal of his indignation for the parent, but does not wholly seem to grasp the practical difficulties in the way of what he urges. But idealists are generally in advance of their age, and long may it be so.

The theory of original sin in its relation to school life has, however, received its death blow, for it surely could hardly survive the criticism it met with in one of the greatest of all educational works, *What Is and What Might Be*, by Mr. Holmes, the poet-philosopher of the Board of Education. When we look back over the educational history of the last hundred years; when we read, to take example, of Dr. Keate, the flogging Head Master of Eton, who certainly believed in original sin, and read of the bad discipline which his very forcible methods apparently engendered, and when we compare it with the modern-school discipline, with the comparative rarity of severe punishment, we must be led irresistibly to the conclusion that ancient methods were wrong and that good discipline invariably is the concomitant of little punishment.

Punishment is preventive rather than punitive. It will be said that this is a mere platitude. I agree; but I hold that it is a platitude which is continually forgotten, and that we rarely think out whether the particular punishment we are setting at a particular moment will have the desired effect of preventing rather than punishing. There is an opinion still extant, an opinion which is rarely argued, but merely stated, that the "softness," so-called, of the present day, and consequent lack of punishment, will lead the schools and the nation to decay and ruin. We are told that moral rule leads to effeminacy and softness, that corporal punishment and the like will alone maintain those qualities which have made this Empire what it is, and that we are breeding a race doomed to failure. Do the advocates of this really disbelieve in self-control and in moral force? Do they really believe that the boy who learns to control his emotions will be a failure in after life? Do they really believe that courtesy and manners engender failure?

I would refer them to the age of chivalry for their answer. But it is certain that colleagues who should have known better have told me that they would like the boys to commit some illegality once a week—an illegality which, they say, shall certainly be punished, but an illegality which, according to them, will engender qualities of character which will be the pride of their countrymen. No doubt this is said without much thought, and I am entirely convinced that the modern rarity of severe punishment, caused by a gentler rule, is reaping its reward in producing a race capable of far more than ever their ancestors did; but, while punishment exists, as it must to some extent, we are led to consider the different forms it may assume and the methods by which we may be enabled best to deal with various offences as they arise.

Now I take it that, roughly speaking, offences at school can be divided into two classes, the "Routine Class" and the "Serious Class." By the Routine Class I mean those offences such as unpunctuality, forgetfulness, &c.; by the Serious Class, I mean the bigger things. The division is reasonable, though the seriousness of the offence obviously cannot be determined by the standard of morality which the twentieth century has evolved; for morality is progressive; the laws of Hammurabi, for instance, do not profess the same morality as the Decalogue; neither does the English legal system in this respect follow out the intricacies of the Priestly Code. And in the same way the youth and the adult have different standards. Smoking is forbidden to the former, and the breach of this rule is a serious offence, but for all that it is a practice which the twentieth century has wisely and widely adopted.

In the punishment of these two classes of offences there is, I think, this distinction: in the routine class of faults a boy is punished chiefly for his own sake, in the more serious class as much for the sake of others as his own.

In the latter case, then, it is vital that the punishment shall be effective. The old rule was that such offences could be dealt with only by corporal punishment. At many schools the doubtful privilege of dispensing it is in the hands of the head master only; and I call it a doubtful privilege, for, though I suppose it must exist for the case of certain boys when all other appeals have failed, I very much doubt its efficiency as a *common* means of correction, and I certainly think that the power of dispensing justice in this fashion should be in the hands of as few members of the staff as possible. Does it engender a boy's self-respect? Does it increase his respect for his master? These are questions which must be faced when we are considering it.

As to secondary punishments for what I have called routine faults. These are the punishments where I think imagination on the part of the master is most required, and where I think imagination is most often lacking; and here I will say that the golden rule is to have as little punishment as possible. For what is the ideal classroom? We have all known classrooms, ranging from those where awful terror kept us chained to our seat motionless for the whole

hour to those where scenes of hubbub and riot were of daily and usual occurrence. The model form, I take it, is that where a public spirit exists to ensure that a boy must not offend, because neither the form nor the master would like it. Is not continual punishment for little faults such as fidgeting, accidentally dropping a book, or similar breaches of a mechanical law a sign of weakness on the part of the master? And yet we have all known such things awarded a fixed punishment which was never relaxed. What would that subtle factor, the opinion of the Form, say to it? and the opinion of the Form is not a thing that a master should fail to study. Would they not recognize that the mechanical law of punishments is an acknowledgment of the weakness of human nature, that is, an acknowledgment by the master that he would fail in his discipline if he did not punish, and does not that perpetual nagging and punishment induce a feeling of surfeit on the part of the Form which may easily result in dislike of the work itself? The statement that is often made that boys dislike work is, I believe, quite untrue, but if ever in any isolated case it may be so, I believe it may be traced to the lack of form management exhibited by the master.

And take yet another point of view. If Jones is inattentive, whose fault is it? Of course, I know there is a school of thought which scoffs at the view that it is the master's fault, but it is quite certain that if the boy is interested he will certainly not be inattentive; and it is equally certain that it is possible to make even the driest subject interesting by proper preparation. I will go further, and say that I believe there is no better lesson for a master to take to heart than a conviction that if Jones is inattentive it is his (the master's) fault, and the sooner he mends his ways the better; but, whether this is true or not, I maintain most strongly that for the master to believe this and act accordingly will have the most beneficial and excellent effect on his teaching.

But what will actually happen, asks the critic, if Jones is unpunctual? I say you must make him punctual; you must arrange matters so that it is an incredible thing that Jones is unpunctual; so that to Jones it would be as difficult to be unpunctual as to commit a criminal offence. Punctuality, in short, must be a tradition, and traditions are rarely broken. Or, what is to happen if Jones continually forgets his books? I admit there may be cases where a naturally unpunctual or forgetful boy has to be educated in the matter of punctuality and memory. But I do not think that, because in these small offences you deal in one way with Jones, you must deal in the same way with Smith. The old custom of giving both Jones and Smith a hundred lines has, by the mercy of heaven, almost died out, and if you ask me what I should do in really necessary cases, I would answer that an attempt at imagination, coupled with a knowledge of Jones's character, would probably induce me to make Jones bring his pen (if he had forgotten it) at various stated times, or else find out all about pens from the *Encyclopædia Britannica* or some similar contrivance. But what I will not do is to make a fixed and immutable rule that Jones shall always in such cases write out a hundred lines, and also I will not in any circumstances give over the punishment to someone else by putting him into an extra drill or an extra school, run perhaps by the school sergeant or some other functionary.

(To be continued.)

HIGHER EDUCATION OF EX-SERVICE STUDENTS.—The Board of Education, who are responsible for the scheme for aiding ex-Service students who desire to pursue full-time courses of higher education at Universities and other recognized public educational institutions, are at present dealing with applications for financial assistance for such courses at the rate of over a hundred a day. So far, 2,239 definite awards have been announced. By a special arrangement the Board were able to pay an interim grant in 2,006 cases in which the applicants were in immediate need of financial assistance.

WHY ARE NOT MODERN LANGUAGES RESPECTED?

By G. F. BRIDGE.

IT is necessary first to explain in what sense it can be said that modern languages are not respected. For they are respected very much indeed up to a certain point—that is, as useful accomplishments for commercial and social life. But as elements in a liberal education they are little accounted of. They are not regarded as an instrument of the highest intellectual training, as the classics are. To examine the causes of this phenomenon is the object of this article.

The first reason usually assigned for the shadow which undoubtedly hangs over modern tongues is that they are easy. Put in this bald way, the assertion is no doubt ridiculous, seeing that it is a matter of everyday observation that to speak and write a foreign language well is one of the most difficult things in the world. But if the contention is that modern languages, as taught according to the now prevailing methods, do not require such a strenuous intellectual effort as classics and mathematics, and that success does not depend so entirely on that kind of effort, then the charge merits examination. To begin at the beginning: the attainment of a good accent depends primarily on physical endowments—namely, good speech organs and a quick ear; next, on a good memory for sounds; and lastly, on a capacity for imitation. Success in speaking a foreign tongue, again, is no proof of intellectual ability. A chatterbox has a better chance than a philosopher of getting a First, and Alcides may easily be beaten by his page. Writing no doubt requires more thought than speech, but the composition that is most popular in schools—that is, free composition—is little more than talk transferred to paper, and does not need for its accomplishment much more than a special type of memory—namely, the power of retaining vocabulary and phraseology.

It will be urged, however, that translation, at all events, calls the thinking powers into play, inasmuch as the translator has a set of definite problems placed before him, in the solution of which he must use his wits as well as his memory. This is perfectly true, and there seems no reason why translation into a foreign tongue should not be as valuable an intellectual exercise and as instructive a study in the exact meaning and force of language as translation into Latin or Greek. Unfortunately, however, the trend of opinion amongst modern language teachers is against translation, and the aim of many of the ablest of them is to reduce it to the narrowest possible limits. Even the Government Committee on Modern Languages, who in their report maintain an attitude of commendable impartiality on questions of method, say: "Translation should be practised in schools only so far as it is necessary." Again, if the examination of language is of any value at all as a training in exactness of thought, the study of the syntax of a modern tongue, and its synonyms and vocabulary generally, ought to be a valuable instrument of discipline for young people from fourteen to eighteen; and such a study would certainly call out intellectual effort. But here also modern methods are against us; language teachers strenuously oppose grammar papers in examinations; and pupils who will never have to face direct interrogatories on syntax will not find it necessary to learn more than the rudiments of it. It would really seem, then, that there is some substance in the contention that the study of modern languages does not demand that severe intellectual effort and hard thinking that some other subjects require.

To avoid misunderstanding, let me add here that there is no intention in this article of criticizing those methods which have done so much to vivify language teaching, and the general principles of which are, with much variation of detail, widely accepted. So far as the acquirement of a foreign tongue is concerned, those methods seem to me sound; what is discussed in this paper is the systematic study of language, which is quite another thing.

But intellectual discipline is not the sole end of education;

in these days, indeed, the tendency is to push it into the background, the classicists, for instance, relying more and more upon the argument of the supreme value of Greek and Latin literature to the modern man. Turn we then to literature. Here the difference between the classical side and the modern side is striking. Every Eton boy, we have been told, who has any aptitude at all for linguistics is made to learn Greek in order that he may have the chance of reading a little Homer, amongst other books, but the teacher of French has no Homer on his shelf, and no Shakespeare. France has produced no poetic mind of the first quality. French has nothing to offer the boy of keen intelligence but Racine and Corneille, who have never appealed to Englishmen, and Molière, who was no doubt the cleverest writer of social comedy that ever lived; but you really cannot weigh social comedy as an educative influence in the balance against the heroic epic. Add some of the poetry of Victor Hugo and Alfred de Vigny and gleanings from a few other writers, and you have nearly exhausted the French poetry that is suitable for boys and girls of sixteen and upwards. The real greatness of French literature, in fact, lies much more in its prose than in its verse, and there is no more important question for modern language teachers at this moment than what French prose ought to be read in the highest forms of schools.

The French historians happily are more appreciated than they used to be, and there are one or two schools in which history is made the backbone of the reading in the upper classes. This movement will, no doubt, be stimulated by the Board of Education's regulations for Advanced Courses, which demand the study of history as well as literature. To the French thinkers we do not appear to have attained yet in schools, nor very much at the Universities. Yet no humanistic course can be considered adequate which does not introduce the student to some of the best thought on the greatest subjects. To bring young men and women into contact with great minds ought to be a fundamental aim in all humanistic study. If modern studies do not do that, then the student will have missed the best thing that is to be got out of a liberal education. But a review of the books read at school and college does not suggest that the great minds of the modern age receive much attention. The list of the French authors, read for the Honours degree at a northern University a few years back, for instance, comprises Corneille, Molière, Boileau, Racine, Voltaire (a play), de Vigny (a play), Hugo, and extracts from Rousseau. The classical students of the same University were reading in that same year Plato, Thucydides, and Demosthenes, in addition to poets and dramatists. The weakness of the studies in French is apparent. They lack virility and breadth. The authors are chosen apparently for their fine literary quality, not for their strength of brain or originality of mind. They belong to the literature of the drawing-room rather than the literature of the study. The course consists almost wholly of imaginative literature. Of great thought on great subjects there is next to nothing. It seems designed to produce pure scholars rather than broad-minded and thoughtful citizens of the world. *Non vitae, sed scholae discimus* might be its motto. Indeed, this legend would be literally true, for the great majority of those who take the modern language schools at the Universities do so with a view to teaching them. The number at University College, London, is stated to be 80 per cent. (see "Report on Training," issued by the Modern Language Association). This fact is of itself sufficient proof that these schools are not in a healthy condition, and do not appeal as they should to young men and women of ability.

In this connexion one cannot help referring to the fate of de Tocqueville, both in England and France, of his "*La Démocratie en Amérique*"—the book which John Stuart Mill considered the greatest work on democracy written up to his day. M. Lanson, in his "*History of French Literature*," says: "*Cet admirable ouvrage n'est pas aussi lu chez nous qu'il devrait l'être: et la raison en est qu'il y a trop de pensée pour le commun des lecteurs: jamais de saillies, rien pour l'amusement ni le délassement: c'est un enchaînement austère et vigoureux de faits, de jugements, de prévisions.*" Here is

revealed to us one of the weaknesses of the French: they expect their writers, whatever subject they handle, to be bright and sparkling; unadorned thought, however original or convincing, they can scarcely tolerate. It is a weakness which our schools of French appear to have taken over from the French. Yet surely a student of the humanities should learn to read what is solid and dry as well as what is brilliant and entertaining, and any course of study which does not compel him to do so will hardly escape flabbiness and dilettantism.

If young men and women ought to study the best modern thought on the greatest subjects, so they ought to read the greatest modern poetry—the greatest, that is, regard being had to the four points of greatness of subject, elevation of feeling, solidity of thought, and excellence of form and diction. Now, discussions about the merits of national literature are usually mere waste of time, because the appreciation of imaginative literature is a matter of intellectual temperament and personal taste. But which poet of the many who have written during the last three centuries has had the widest influence outside his own country and at the same time made the deepest impression upon minds of the first quality is a question of fact, and not of taste. That poet is Goethe. If, therefore, we really believe in the influence of great poetry on young people, we should wish them to read Goethe, especially when in the language in which Goethe wrote there is a body of drama—that of Lessing, Schiller, Kleist, Hebbel, and others—whose richness, variety, and depth of thought and feeling give it a high value.

German poetry, in fact, supplies exactly that element which we miss in French literature, and a combination of the best French prose with the finest German poetry and drama would furnish an education which might safely challenge comparison with the classical curriculum. But, unhappily, there is a considerable body of modern language students and teachers who are ready to throw German overboard because the Germans have in recent years been the troublemakers of the world. It would be as reasonable to throw French overboard because a hundred years ago the French were the troublemakers of the world; for what is a hundred years in the life of the race? This eager haste to jettison German can scarcely have failed to excite prejudice against modern studies, because it suggests that there is not in modern literature anything of supreme or everlasting value, that one literature will do just as well as another, and that it does not matter much whether boys and girls read Goethe or Gorky, Milton or Maupassant. So long as this spirit prevails, how can modern language teachers expect their subject to be put on a level with the classics, the value of which, by universal consent, never has been, and never can be, diminished by any event that has happened or will ever happen, or affected by all the weakness of the Greeks and all the cruelty and wickedness of the Romans?

Decidedly the classics have many advantages over modern languages. One is that the Greeks and Romans did not write novels, and that few of their comedies have survived. Another is that the amount of valuable Greek and Roman literature which has come down to us is so small that classical students usually read even the drier authors. The modernist may avoid de Tocqueville, but the classicist does not avoid Aristotle, though assuredly he contains as few witticisms and furnishes as little relaxation or amusement as does his fellow-thinker. A third point of superiority is that the classical scholarship of this country is a British product, and has been such for the last four centuries. It presents itself to young men and women as something national, and not as an importation from abroad. But perhaps the greatest of all the advantages the classics have is that the Greeks and Romans are all dead, and therefore we can say what we like about them. No subject can expect to have a very high place in education if teachers—and others—cannot speak the truth and the whole truth about it.

Now in recent years we have been able to see foreign nations only through an atmosphere of falsehood, and the atmosphere is not yet dispelled. If a stranger from Mars were to ask us how best to obtain a knowledge of the peoples

of Europe, the first advice we should have to give him would be: Read nothing that has been written about them during the last five years, and very little that has been written this century; and take with many grains of salt anything said about any of them on a public platform. Sobriety and impartiality on these subjects have perhaps been impossible since 1914, and those who have been able to maintain silence should account themselves fortunate. But surely the time has come when truth may be drawn up again from the bottom of her well. At all events, we may rest assured that unless modern language professors, masters and mistresses, teach the truth, and the whole truth, about foreign nations, whether they are, or have been, friends, enemies, or neutrals, and unless they teach in the spirit of strict impartiality, their subject will never command respect. If modern studies are made a propaganda in favour of particular nations, then those studies are doomed for ever to occupy a humble place in the esteem of the best educated classes.

REVIEWS AND MINOR NOTICES.

THE PHILOSOPHY OF EDUCATION.

The Intuitive Basis of Knowledge. By N. O. LOSSKY.
(16s. net. Macmillan.)

We have to thank Mrs. N. Duddington for this translation of the work of the Professor of Philosophy at the University of Petrograd. He calls it a "propædæutic epistemology," takes great care to keep to his subject, and is indeed continually referring difficulties to the metaphysician, the psychologist, and other responsible persons. Epistemology is enough for him. His main thesis is that knowledge can never be satisfactorily explained so long as the self is isolated from the not-self. Knowledge is a reality: our knowledge of the outer world is a fact, and the sensible epistemologist had better accept it as such, and set about establishing his theories accordingly. Prof. Lossky maintains that knowledge is essentially perception, and that "things in themselves" lose their intimidating power, since they can be directly apprehended. Intuition in his sense means "the immediate knowledge of the world of not-self." He does not object to his form of intuitionism being described as empirical, so long as it is labelled "universalistic." Since knowledge "is a process of differentiating the real world by means of comparison," and since knowledge can be realized only in acts of judging, "a judgment is the result of a single act of differentiating an object by means of comparison."

In working out the implications of these definitions, Prof. Lossky loyally enters upon the thorough but somewhat dreary examination of all previous philosophers that is familiar to the unfortunate readers of such treatises. He makes out an excellent case, and supplies much controversial material for his critics, and for the readers of this journal he provides some matter of professional interest. On page 233 he has some excellent remarks about the effect of terms on the minds of different people, and teachers should read what he has to say about *words* on page 287. The whole of the chapter on "The Universal and the Individual" is of value to the philosophical-minded teacher. His thesis that knowledge does not begin with the particular nor with the most universal, but with the "medium universal," has possibilities that every wise teacher will appreciate.

A good deal of the loose writing in school-method books on the subject of abstraction and generalization could not have come into existence if the writers had read such a chapter as this. Even our vigorous young psychologists of to-day will find something to their advantage in pondering the statement, "An interest in the individual and the capacity of apprehending it is a fine flower of culture." Again, on page 323, we have a passage (supported by a quotation from Fongsegrive) that throws light on that intuitional "flash" about which we

are hearing a good deal from our more advanced educationists. The "single instance" gets its proper place, and on page 351 we have an unexpectedly practical application of the principle of reasoning from consequent to ground, a process that every teacher should cultivate. Educationally, the book is thoroughly sound, and on the philosophical side it has the guarantee of a favourable introduction written by Prof. Dawes Hicks.

THE STORY OF FRANCE.

History of Modern France, 1815-1913. By EMILE BOURGEOIS. Two Vols. (not sold separately). (21s. net. Cambridge University Press.)

Nearly a quarter of a century ago the Cambridge University Press announced the prospective publication in their "Historical Series" of a History of Modern France by Mr. W. A. J. Archbold. For some reason or other that work never appeared, and consequently the story of France begun by Prof. Grant (1483-1789), and continued by Dr. Holland Rose (1789-1815), has remained incomplete until to-day. The delay is not to be regretted, for it has enabled the editor to entrust the task of writing the history of the recent critical era to one of the greatest of living authorities upon it, and to one of the most skilful of French literary men. The result is a work not only of great weight and learning, but also of no little charm. No doubt it has suffered to some extent in translation; a number of awkward expressions are obviously due to a too conscientious effort to attain to a strictly literal rendering. But on the whole the English version reads easily. In the work itself there is, perhaps, a certain lack of proportion. Of the 850 pages, only 170 are assigned to the forty-two years of the Third Republic, and in order to have a fuller treatment of this period we would willingly have sacrificed much of the familiar detail concerning the delinquencies of the restored Bourbons or the Third Napoleon. We should, however, have been sorry to curtail the story of the bourgeois monarchy of Louis Philippe. It is told with knowledge, ability, and sympathy; and it will materially assist in that rehabilitation of the memory of the Orleanist dynasty which has already been commenced by the devoted M. Cochin.

M. Bourgeois by no means confines his attention to the political history of his country. On the contrary, some of his freshest and most interesting sections deal with the literature and art of the nineteenth century, and with the social and economic developments of modern France.

Although M. Bourgeois has clear and unmistakable opinions to express on all the topics that come under his review, e.g. the Dreyfus case and the recent anti-ecclesiastical legislation of the Republic, nevertheless he maintains an admirable fairness of judgment and moderation of statement. This work must long remain the most authoritative handbook on its subject.

CLASSICS.

Latin Epigraphy. An Introduction to the Study of Latin Inscriptions. By Sir JOHN SANDYS. With Fifty Illustrations. (12s. 6d. net. Cambridge University Press.)

The publication of this book is something of an event in the annals of British scholarship, for it is the first of its kind to be published in England. Thanks to Sir John Sandys, English scholars can no longer be reproached with having made no contribution to this branch of classical learning, and all English students (who have previously only had Prof. Egbert's manual—published in the United States—in their own language) will be grateful for this most helpful introduction to a somewhat recondite subject. Those who are familiar with Dr. Sandys's chapter on Latin Epigraphy in his "Companion to Latin Studies," will appreciate his competence to deal with the subject in a masterly way. In the present volume, after two introductory chapters dealing with Latin inscriptions in classical authors and modern collections of Latin inscriptions, he goes to the heart of his subject in a most useful chapter on the archaic Latin alphabet. In the body of the work inscriptions are dealt with under the classification of Epitaphs, Dedicatory Inscriptions, Honorary Inscriptions, and inscriptions on public works, portable objects, &c. Then follows a chapter on Language and Style, and also—a most helpful one—on the Restoration and Criticism of Inscriptions. Several appendixes treat of Roman

names, officials, and emperors, and there is a collection of six famous historical inscriptions, including the Monumentum Ancyranum, and a full list of abbreviations. We are glad to note that Sir John Sandys holds that his subject is best treated as a minor branch of classical archaeology, the importance of which as a means of education is receiving an ever-increasing recognition. Perhaps also the study of epigraphy, with the exercise of the scientific powers which it undoubtedly entails, will do something to break down the false distinction between classical and scientific learning.

EDUCATION.

- (1) *The Measurement of Intelligence.* By L. M. TERMAN. (7s. 6d. net. Harrap.) (2) *Test Material for the Measurement of Intelligence.* By L. M. TERMAN. (3s. 6d. net. Harrap.)

The Binet-Simon tests of children's intelligence, designed for judging native ability apart from differences of training, were first published in 1905, and were revised in 1908 and 1911. They have attracted much attention among cultivators of scientific child study, and have naturally been subjected to a good deal of criticism by subsequent investigators. Among these Prof. Terman, of Leland Stanford Junior University, takes a foremost place, and in the present volume, with its accompaniment of "Test Material," we have a full exposition of the method and its possibilities, including guidance for the use of the "Stanford revision and extension" of the Binet-Simon scale. Prof. J. J. Findlay writes a sensible introduction, in the course of which he points out that, as the great majority of those concerned with education in this country have hitherto been unable to secure a ready means of understanding the method or of training themselves in its procedure, Prof. Terman's book is likely to render an excellent service both to teachers and to school medical officers. Of course, the eternal question arises as between those who would continue to rely upon intuitive estimates of children's abilities and those who believe in scientific procedure; but, provided the investigator is aware that his method, though extremely important, does not pretend to probe the deepest recesses of human nature, nothing but good can surely come of his efforts. A line of inquiry which lessens the danger of trying to fit round pegs into square holes deserves every encouragement.

The English Public School: a Symposium.

Edited by J. HOWARD WHITEHOUSE. (5s. net. Grant Richards.)

Whatever one may think of Mr. Waugh's "Loom of Youth," it must be admitted that it has given rise to much discussion of public schools, and incidentally of the older Universities. This booklet contains an article on Mr. Waugh's book which was published in the *Nation* last year, together with a discussion which followed in the columns of our contemporary and a quantity of additional matter. The symposium is interesting enough, and may have some good results. Already one of its suggestions is to be acted upon by the Government, for the announcement has already been made of a Royal Commission to consider the position and resources of the old Universities which so largely control not only the curriculum but even other aspects of the life and work at the public schools. After reading the many and divergent opinions of public schools here brought together, we hesitate to express yet one more, but it seems clear that, so long as our responsible authorities attach more importance to "public school form" than to actual worth and efficiency, the public schools with their long waiting lists will not think it worth while to consider outside criticism seriously.

Psychology and Parenthood. By H. ADDINGTON BRUCE.

(7s. 6d. net. Heinemann.)

As the title indicates, this book is meant primarily for parents, and it is certainly well that the definite findings of modern psychology should be placed, by means of popular presentation, within the reach of parents, though what is good for them is good for teachers also. One of the great questions of the hour is that of the relative effects of heredity and environment upon the child's development; in other words, whether we are to look to eugenics or to education and training, taken in a broad sense, as the more hopeful path of progress for the race. From the outset Mr. Bruce leaves us in no doubt that in his view—and we quite agree with him—we have to look chiefly to the removal of the hampering influences of unfavourable environment and of physical maladjustment, and to the institution of educational reforms. But some of the details of his proposed reforms give us pause. All the way through his chapters on "The Importance of Environment," "Suggestion in Education," "The Secret of Genius," and "Intensive Child Culture," he favours the beginning of formal education long before school age is reached, and he contends that even genius depends upon cultivating an infinite capacity for taking pains rather than upon exceptional mental gifts. We should be more impressed by the notorious example of Karl Witte if we thought that a German professor was the ideal man; and we have sufficient

faith in innate capacity not to regard the examples of J. S. Mill and Lord Kelvin, or any other "folio editions of mankind," as proving anything one way or the other. Still, it is at least interesting to have the opposite side of the case strongly presented, as it is here. The chapters on Laziness, Laughter, Hysteria in Childhood, and the Menace of Fear are all useful and timely. Stress is rightly laid, we believe, upon the subconscious remnants of early experiences which are left to help make or mar success in later life.

ENGLISH.

The Story of Dr. Johnson. By S. C. ROBERTS.

(4s. 6d. Cambridge University Press.)

It is remarkable that the plan followed in this volume has not, so far as we know, recommended itself to publishers before. The book professes to be an introduction to Boswell; but it is much more. It is a delightful introduction to Johnson's times. Its format and its illustrations induce reading, and there is a good deal here that we cannot get even in the larger volumes of the D.N.B. It is to be hoped that this is the first of a series of such books, for in these days enough is known about writers to supply text and illustration.

Mr. J. J. ROBINSON's little collection of *Songs of Search and Service* (Erskine Macdonald, 3s. 6d. net) is pleasantly distinguished among volumes of minor verse by the impress of the writer's personality. Written at various times between 1889 and 1918, the poems constitute a genuine bit of autobiography. Even where the phrases and images recall greater poets, as they frequently do, the songs seem to be the expression of real experiences and convictions. So, in spite of some imperfections of technique, they have that human appeal in which minor verse is too often lacking. The epigrams are the least successful; the writer is of too kindly a nature to have barbed epigrams in his quiver. In the later poems, written on the threshold of old age, courage, hopefulness, and loyalty to service are the dominant notes, as in the sonnet entitled "Neering a Goal: Thanksgiving."

"Then, as the dark strides on wherein I greet
The sudden trumpet blown to call me far,
I may go forward, that dread gift to meet,
Which rounds Hope's signal gleams into a star.
The Vast from which Life's gift and beauty spring
Must bring me nearer to my source and King."

Composition and Literature. By EUGENE R. MUSGROVE.

(6s. net. Longmans.)

It is always refreshing to find a subject treated from a new point entirely different from one's own, and, if only for this reason, this work is worth reading. Not only is the method new—that of the Head of the English Department of a New Jersey High School—it is stimulating. Before formal grammar is touched upon, the principles of composition (unity, coherence, and emphasis) are driven home; then, and then only, are grammar and analysis considered in so far as they are necessary for the construction of a correct sentence. If such statements as "Irony is sarcasm" shock some of our English grammarians, the section on Figures of Speech is none the less excellently written. When dealing with oral English, the importance of which as a training in judgment and alertness cannot be over-estimated, the author has much to teach us. The book concludes with a handy summary of English and American literature. The type is large, the paper good, and the general get-up all that can be desired. We say unhesitatingly, "Get it."

FRENCH.

- (1) *Croisilles.* Edited by B. L. TEMPLETON. (2) *La Belle aux Cheveux d'Or.* Edited by E. CREAGH KITTSON. (1s. net each. Constable.)

These are the first volumes of the "Organized French Series," designed by Hardress O'Grady, whose untimely death is a source of sorrow to all modern language teachers. It must be confessed that there is nothing in the form of these readers that can be regarded as strikingly novel, and in one respect there is, we believe, a fault in method. It should be possible to answer most of the vocabulary exercises from the text—e.g. if "réfléchir" occurs in the text, the exercise should ask for the verb connected with "la réflexion," not for the noun connected with "réfléchir." Miss Templeton and Mr. Kittson are both accomplished exponents of the reform method, and the workmanship of these little books is excellent. The books are very well printed, and the misprints are few and trifling.

Paris pour Tous. Maps by J. G. BARTHOLOMEW. Text by EDWARD JEFFORD. (2s. 6d. Dent.)

This little guide to Paris will commend itself to the traveller on account of its excellent maps and its concise and well arranged text, and it also deserves a place in our schools. Paris occupies so important a place in the history and literature of France that a book

like this is indispensable in the school reference library. In addition to detailed maps of present-day Paris there are others showing the gradual growth of the city and its appearance at the time of the Revolution. There is a short history of Paris and a series of "promenades" taking in most of the noteworthy buildings, and supplying brief descriptions of these. There are also sections dealing with such subjects as "la vie de Paris," "moyens de transport," "les lieux d'amusement," "hôtels," "églises, temples et synagogues," and an index to the maps. The book may be welcomed as a very useful addition to the "Collection Gallia."

HISTORY.

Germany, 1815-1890. Vol. III: 1871-1890. By Sir A. W. WARD. (12s. 6d. net. Cambridge University Press.)

The volume before us brings to a close the valuable history of the making of the German Empire which the Master of Peterhouse undertook to write for the Cambridge University Press. Originally intended to fall within the compass of a single volume, it has expanded until it is with difficulty compressed within the limits of three. It contains masses of information, derived from first-rate sources, which are nowhere else available, and it is written with an impartiality and lofty dignity that impress it with unquestionable authority. In the present volume the detailed narrative proceeds from the founding of the Empire till the fall of Bismarck. Two supplementary chapters, however, are added, which will be found to be the most generally interesting in the book. The first of these treats of German social and intellectual life, 1850 to 1900; the second traces in outline the course of events from 1890 to 1907. The latter year, in Sir A. W. Ward's opinion, is the one in which "a period in German history begins that must be regarded as preliminary to the World War, and as in more senses than one preparatory of it."

The Principles of Citizenship. By Sir HENRY JONES. (3s. 6d. net. Macmillan.)

This book, though small and inexpensive, is of great importance and immense value at the present day. It deals with those fundamental principles of ethics and politics which are challenged and denied by both Prussian Militarists and Russian Bolsheviks. It discusses, with the characteristic ability, clarity, and large liberality of its author, the problems of the nature of the State, its proper sphere and functions, its claim upon the service of its subjects, and its duties in respect of them. It is written in a fine spirit and in an attractive style. There are few books which can be commended more unreservedly to the careful consideration of the study circles of the Workers' Educational Association, the Adult Schools Union, and similar organizations that are concerned in the training of citizens.

Democratic Ideals and Reality. By H. J. MACKINDER, M.P. (7s. 6d. net. Constable.)

This is a book of political geography. The "reality" of which Mr. Mackinder treats is that which is based on the unchangeable facts of man's environment—climate, fertility, mountain barriers, river communications, winds, ocean currents, rainfall, and so on. He is profoundly convinced of the vital importance of these permanent geographic controls, and he urges the necessity of taking them into account in any and every scheme of social and political reconstruction. As to "democratic ideals," he has great respect for them and for their prophets and apostles. "Idealists," he says, "are the salt of the earth; without them, society would soon stagnate and civilization fade." But he has no difficulty in showing that idealists have frequently been fools, and that they have generally ruined their own causes by their folly. In particular, he points out how the errors and crimes of the French idealists of 1789 led to and necessitated the Napoleonic despotism, and how the garrulous ineptitude of the German idealists of 1848 opened the way to Bismarck's *Realpolitik*. He concludes that, if the idealism of the advocates of the League of Nations is not to end in a similar tragedy, the statesmen of the world must face the ultimate physical "realities," and their moral and social consequences, as he has briefly indicated them. Mr. Mackinder has written a stimulating book.

MUSIC.

Aural Culture based upon Musical Appreciation. Part 3. By STEWART MACPHERSON and ERNEST READ. (6s. net. J. Williams.)

With the present volume the authors have brought to a conclusion a work which was designed to set forth their views on certain aspects of music training in class. A course of training on the lines suggested in this and the two preceding parts of the work will, if rightly undertaken, do much to give the student a grasp of essentials, will quicken his perception of the fundamental principles of

tonality and rhythm, and prepare him for a course of harmony and counterpoint with his hearing faculties developed in such a manner as will enable him to derive full benefit from his more advanced studies. Mr. Read, in his part of the work, goes into details with commendable thoroughness, and also provides a mass of material for sight-singing, dictation, and memorizing; while in the final section of the work Mr. Macpherson, in a series of "Appreciation" lessons on well known works, instructs the pupil in the interesting differences of style and idiom due to "period." This is essentially a work for teachers, who will use the book to the best advantage if they themselves first assimilate the contents and give it out to the pupils in their own words.

First Principles of Music. By F. J. READ. (1s. 6d. net. Arnold.)

Following on lines with which we are familiar in the little textbooks of Davenport and Stewart Macpherson, Dr. Read brings to his task the many years' experience he has had in dealing with the Rudiments Class at the R.C.M. So one expects and finds all the details connected with musical notation, keys and scales, time and intervals, set forth in a clear and concise manner. Every step is illustrated with examples in notation, in addition to the explanations in the text. The author has also included short chapters on the ancient modes, sound, the pianoforte and its predecessors, orchestral instruments, musical form, a glossary of musical terms, together with specimen examination papers on each chapter. Dr. Read has rendered good service to the class teacher, and this little book will also appeal to the ever-increasing number of music students who believe in building their art on a sure foundation.

RELIGIOUS KNOWLEDGE.

"The Cambridge Bible."—(1) *Isaiah*. Chapters XL-LXVI. In the Revised Version, with Introduction and Notes by Dr. J. SKINNER. (3s. 6d. net.) (2) *Joshua*. In the Revised Version, with Introduction and Notes by Dr. G. A. COOKE. (2s. 3d. net.) (3) *Obadiah and Jonah*. In the Revised Version, with Introduction and Notes by H. C. O. LANCHESTER. (2s. net.) (Cambridge University Press.)

(1) Students of Isaiah have long been under a deep debt of gratitude to Dr. Skinner. As long ago as 1896-8 he published, in "The Cambridge Bible Series," his masterly commentary on Isaiah in two volumes, which has proved an invaluable guide to the study of this difficult Biblical book. This was based on the A.V. Now he has published a new edition of the second volume, based upon the R.V. This is a great advantage. But further, the new edition is enriched with a new introduction and with other additional matter. The Introduction now covers 72 pages (as against 60 in the old edition), and has been largely rewritten, and the commentary, with appendixes, occupies 281 pages (as compared with 244). Account is taken throughout of the considerable literature that has been added to the subject in the interval. There is a full and fresh discussion of the "Servant Songs," and much that is new besides. Dr. Skinner now definitely accepts the division into a "Trito-Isaiah" unhesitatingly. Students will welcome this volume wholeheartedly.

(2) Dr. Cooke's volume on Joshua marks a real advance on anything of its kind previously accessible in English. It is characterized by careful and painstaking scholarship. Topographical questions have been dealt with fully and accurately, and it is needless to add that critical results are fully accepted. Textual questions are also well handled, and there is a good map.

(3) Mr. Lanchester's volume is competent and useful. The complicated questions that hinge on the integrity and date of Obadiah are well handled, and the late date of Jonah is accepted. A good feature is the introduction into the discussion of a reference to the late Jewish (Rabbinic) allusions to the story of Jonah.

Dominus Noster. A Study in the Progressive Recognition of Jesus Christ our Lord. By CHARLES A. ANDERSON SCOTT. (6s. net. Heffer.)

Dr. Anderson Scott is to be congratulated on a new and original treatment of the historic and religious significance of Jesus. He does not attempt the impossible by aiming to present a complete "Life" of Christ, but he strictly confines himself within the limits of the available evidence and shows by a careful and historic presentation how the personality of Christ affected and impressed (1) His immediate disciples and contemporaries, and then (2) the early Church. The results of the critical study of the New Testament are here utilized in a positive and constructive way, and the result is remarkably satisfying and illuminating. The theme is worked out in a series of chapters which are headed respectively: "Jesus" (I), "Christ" and more (II), "The Lord" (III), "The Saviour" (IV). Chapter I contains a fine analysis of the

(Continued on page 540.)

OXFORD AND CAMBRIDGE LOCAL EXAMINATIONS, 1920.

S. denotes the Senior Examination, J. the Junior Examination,
P. the Preliminary Examination.

OXFORD.

Religious Knowledge.

GOSPEL OF S. LUKE. (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.* (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s.* (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

CHAUCER—THE PROLOGUE TO THE CANTERBURY TALES. By A. J. WYATT, M.A. With Introduction, Text, Notes, and Glossary. 1s. 6d. (S.)
MACAULAY—HORATIUS, LAKE REGILLUS, THE ARMADA. By A. J. F. COLLINS, M.A. 1s. 6d. (S.)
MILTON—COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d. (J.)
SHAKESPEARE—KING JOHN, MERCHANT OF VENICE, MIDSUMMER NIGHT'S DREAM, TEMPEST, TWELFTH NIGHT. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
SHAKESPEARE—JULIUS CAESAR. (Tutorial Shakespeare.) 2s. 3d. (S., J.)
SHAKESPEARE—AS YOU LIKE IT, MERCHANT OF VENICE, THE TEMPEST. (Junior Shakespeare.) Each 1s. 9d. (J.)
SHAKESPEARE—CORIOLANUS. (Tutorial Shakespeare.) 2s. 3d. (J.)

Latin and Greek.

CAESAR—GALLIC WAR, BOOK VI. By LL. M. PENN, M.A. (School Latin Classics.) 1s. 9d.* (S.)
CAESAR—GALLIC WAR, BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.* (S., J.)
CICERO—DE AMICITIA. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.* (S.)
VERGIL—AENEID, BOOK IX. By J. F. RICHARDS, M.A. 1s. 9d.* (S.)
VERGIL—AENEID, BOOK X. By A. H. ALLCROFT, M.A., and J. F. STOUT, M.A. 1s. 9d.* (S.)
EURIPIDES—HECUBA. By T. T. JEFFERY, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)
XENOPHON—ANABASIS, BOOK IV. By W. H. BALGARNIE, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)

FOR DISTINCTION.

SALLUST—CATILINE. By T. M. NEATBY, M.A., and B. J. HAYES, M.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s.
SOPHOCLES—ANTIGONE. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. Introduction, Text, and Notes. 3s.

CAMBRIDGE.

Religious Knowledge.

GOSPEL OF S. LUKE. (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.* (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s.* (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

MILTON—COMUS, LYCIDAS. By S. E. GOGGIN, M.A. Each 1s. 6d. (S.)
MILTON—SONNETS. By W. F. MASOM, M.A. Second Edition. 2s. (S.)
SCOTT—LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s. (P.)
SCOTT—LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s. (J.)
SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. (Junior Shakespeare.) 1s. 9d. (J.)
SHAKESPEARE—TEMPEST, HAMLET. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
TENNYSON—COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. (In the press.) (J.)
ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d. (S.)

Latin and Greek.

CAESAR—GALLIC WAR, BOOK VI. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.* (J.)
LIVY—BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
TACITUS—AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
VERGIL—AENEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. 1s. 9d.* (S., J.)
EURIPIDES—MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d. (S., J.)
XENOPHON—ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s. (J.)

* Text, with Introduction, Notes, and Maps.

† Text, with Introduction, Notes, and Complete Alphabetical Vocabulary.

Complete Catalogue of Class Books for the Oxford and Cambridge Local Examinations, post free on application.

University Tutorial Press, Ltd.
High Street, New Oxford Street, LONDON, W.O. 2.

If you wish to
qualify to teach
SHORTHAND,
BOOK-KEEPING AND ACCOUNTANCY,
COMMERCIAL PRACTICE,
ADVERTISING, PRACTICAL BANKING,
COMMERCIAL LAW,

you can do so
in your spare time
by means of

PITMAN'S POSTAL COURSES.

The postal tuition meets exactly the requirements of teachers who are unable to secure oral training, or who desire to pursue the study of commercial subjects at home. One course, or any group of subjects, may be taken at any time, the lessons commencing from any stage of present knowledge. Write for details, stating the subjects in which you are interested.



Principal: FREDERICK HEELIS, F.R.S.A.

Director of Studies:—

Dr. ROBERT W. HOLLAND, O.B.E., M.Sc., LL.D.
169 SOUTHAMPTON ROW, LONDON, W.C.1.

BOTANICAL APPARATUS

VASCULA, PRESSES, POCKET LENSES, &c.

MICROSCOPICAL PREPARATIONS

In Sets to illustrate current Textbooks.

New Catalogue in the Press—ready July.

FLATTERS & GARNETT, Ltd.,
309 OXFORD ROAD (Opposite the University), MANCHESTER.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental
Apparatus Parts and Materials.

Lenses, Achromatic or Plain, Prisms, Mirrors, and
Optical Goods.

Best Make, Second-hand P.O., and other Galvanometers,
Relays, Electric, and Optical Instruments at
ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings
for the Student of Science.

Telephones, Batteries, Morse Keys, and every aid for
Radio and Telegraphic Experiments.
Our Celebrated Wimshurst Machines.

War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
Call or write for information. (H. J. DALE has had fifty
years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Stollan Avenue, Bloomsbury Square, London, W.C.1.

immediate impression made by the personality of Jesus on His contemporaries, of His character (grace, serenity, power); the impression made by His teaching, the methods and contents of which are succinctly set forth, and so on. The whole discussion is most important. It introduces order into what has proved only too often a bewildering labyrinth; and by its sobriety, careful scholarship, and critical treatment inspires confidence and conviction. It marks a real step forward.

SCIENCE.

Civic Biology. By CLIFTON F. HODGE and JEAN DAWSON.
(7s. net. Ginn.)

This textbook of biological "problems that can be solved only by civic co-operation" emphasizes the vital importance, for human welfare, of a knowledge of the life histories of plants and animals. The parts played by bacteria, fungi, weeds, insects, rats and mice in spreading diseases and ruining crops furnish texts of which the authors make skilful use. Teachers will find this an ideal guide to courses of utilitarian Nature study; while pupils will gain from it sound ideas of scientific method in natural history, as well as direction to opportunities of great social service. The book is well illustrated.

An Introductory Treatise on Dynamical Astronomy. By H. C. PLUMMER. (18s. net. Cambridge University Press.)

Although this country had the honour of producing Newton, who laid the foundations of dynamical astronomy, it is somewhat remarkable that not only have foreign investigators been the chief architects of the superstructure, but to them also has it been necessary to turn for comprehensive accounts of the continually rising edifice. Prof. Plummer's work, therefore, fills a serious gap in our scientific literature, and we welcome it as a most able survey of the principal features of the theory as it exists at the present day. Of course, in dealing with a subject of such vast range, much of interest and importance has necessarily been omitted. In particular there are no examples of practical computation. But, while apologizing for their absence, the author has taken care to develop the various theories up to the point at which algebraic formulae are ready for numerical evaluation. The subject-matter naturally falls into two sections, of which the earlier deals with undisturbed elliptic and parabolic motion and the latter with disturbed motion. Adequate accounts are given of the various classical theories, with which the names of Gauss, Olbers, Lagrange, Laplace, and Jacobi are connected, but the student who seeks information regarding the more recent developments will not be disappointed. We find, for example, an account of Charlier's important contributions to the solution of the problem of the determination of orbits; various methods for determining the orbits of visual and spectroscopic binaries are explained, while later there is an introduction to the theory of periodic orbits which has received its most brilliant application in Hill's Lunar Theory. To this latter theory two chapters are devoted. Although the textbook is essentially introductory it is by no means elementary, and the student must come to it well equipped with the apparatus of mathematical analysis. We are certain that it will be prized by all astronomers.

Botany of the Living Plant. By T. O. BOWER.
(25s. net. Macmillan.)

The title of Prof. Bower's book is singularly appropriate: the plant *lives* in his pages; structure is no mere "dry-bones" anatomy, but the means adopted by a living and struggling organism to meet the problems with which it is confronted. We are told in the preface that the volume is framed on the lines of the annual course of elementary lectures given in Glasgow University, and happily in the written work the lecture atmosphere is still most agreeably perceptible. The style is so simple and so direct that we can well imagine that those who have had the good fortune to sit at the feet of Prof. Bower will hear the tones of his voice as they read these pages. Most wisely the order of presentation adopted is not that of the ascending, evolutionary scale, but the opposite—viz., that of proceeding from the more or less familiar angiosperms to the gymnosperms, and thence downwards to the ferns, mosses, and liverworts, algae and fungi. These five divisions occupy thirty chapters, which are followed by two dealing respectively with "Sex and Heredity," and with "Alternation of Generations and the Land Habit." Here in the course of thirty pages are masterly essays on these important and interesting subjects. The book concludes with two appendixes: the one on some types of floral construction, the other on vegetable foodstuffs—i.e. the food values of most of the plants that enter into the diet of man. The index is termed "Index and Glossary": it hardly merits the second name, for very many words are not explained, and, in our opinion, a glossary should give the derivations of technical terms. With this slight criticism, we heartily commend this charming volume to all teachers and students of botany.

UNIVERSITIES AND SCHOOLS.

OXFORD.

In view of the rejection by the Convocation of the University of the Responsions Statute which made Greek optional and was approved by a large majority in Congregation, Exeter College is prepared to consider applications for matriculation from candidates who have been unable to learn Greek at school, but have passed the School Certificate or other equivalent examination in subjects other than Greek, and show good promise for the Honours Course. In such cases the College will make arrangement for their tuition in Responsions Greek; and such candidates will be expected to pass in this subject as soon as possible after they come into residence.

The Oxford Gilchrist Studentship has been awarded to Miss Dora Paton, of Somerville College. She obtained a First Class in the Honour School of Modern Languages (French), and intends to continue her studies in Paris and in Oxford with a view of undertaking advanced teaching.

LEEDS.

The University Council have appointed to the Chair of Education Dr. John Strong, C.B.E., Rector of the Royal High School, Edinburgh, since 1914. Dr. Strong was Senior Master in the Central High School, Leeds, 1897-1900, and holds an eminent position in Scottish education. He was Rector of Montrose Academy, 1900-1914, has served for the past eight years as co-opted member of the St. Andrews Provincial Committee for the training of teachers, and is Chairman of its Studies Committee. He is Examiner in Education in the University of Aberdeen; was a member of the Departmental Committee (1917) on the Remuneration of Teachers in Scotland; served as President of the Scottish Secondary Education Association 1916-17; and on the Union of Scottish Teachers was elected the first President of the Educational Institute of Scotland. Dr. Strong is the author of several works on education.

WALES.

The President has appointed a Commission to inquire into the organization of secondary education in Wales, and to advise how it may be consolidated with the view of establishing a national system of public education in Wales, having regard to the Education Act (1918) and the recommendations of the University Commission. The Committee will be composed as follows:—The Hon. W. N. Bruce (Chairman); Mr. W. R. Barker; Mr. J. H. Davies; Sir Owen Edwards; Miss L. M. Faithfull; Mr. William George; Mr. Thomas Griffiths, M.P.; Miss E. P. Hughes; Prof. Ramsay Muir; the Rev. Prebendary Prosser; the Rev. D. H. Williams; with Mr. T. G. Roberts as Secretary, to whom all communications on the subject should be addressed at the Board of Education, Victoria and Albert Museum, South Kensington, S.W.7.

In addition to this brief official announcement, a long statement evidently inspired at head-quarters has also appeared in all the Welsh newspapers giving the reasons why Mr. Fisher has resolved to appoint such a Commission of Inquiry. Emphasis is laid on the fact that the existing system was brought into existence before the passing of the great Education Acts of 1902 and 1918, and that consequently it does not harmonize easily with present-day requirements and conditions. Control of elementary and secondary education has been centralized and is at present exercised through the County Councils, except in the case of the intermediate schools which are only partially under their jurisdiction; and, therefore, anomalies and difficulties in administration have revealed themselves. For example, the Councils have not been able to give that full financial assistance to their schools which they have considered necessary in order to render them financially sound and to develop their resources to the highest pitch of efficiency. The statement is, however, extremely vague—probably designedly so—and educationists are therefore at present at a loss to know what is the true inwardness of this Commission.

It may, however, be conceded at once that a greater simplification of our educational system is possible, and it is no doubt extremely desirable that the public should have a clearer comprehension than it possesses at present of the functions of the different types of post-elementary schools in Wales. Further, the effect of the last Education Act, with its creation of continuation schools, trade schools, &c., is, of course, to complicate still more the whole system, and therefore, no doubt, much will be gained by an adequate inquiry. We understand that it is mainly on these lines that the Commission will work, and that it has no intention of embarking on a general survey of secondary education,

(Continued on page 542.)

MACMILLAN'S LIST.

Companion to Diaconus. By GEORGE G. LOANE, M.A. 6s. net.

A Geography of America. By T. ALFORD SMITH, B.A. (Lond.), F.R.G.S., Senior Geography Master St. Dunstan's College, Catford. With over 100 Maps and Illustrations. 4s. 6d.

[*Macmillan's Practical Modern Geographies.* *The Journal of Education and School World.*—"Mr. Alford Smith is well known as a pioneer in the field of modern geography. His long experience both as a successful teacher and as an examiner of the subject has enabled him to produce a textbook which may be recommended cordially for use in the higher forms of secondary schools."

Macmillan's Geographical Exercise Books. Africa. With Questions. By B. C. WALLIS, B.Sc. Sewed. 1s. 6d.

Education.—"It would be difficult to find a more useful book of geographical exercises than this. The maps are clearly printed and the exercises well arranged and designed. The teacher of geography on modern methods will be well advised to see this series."

History. The Quarterly Journal of the Historical Association. Edited by Professor A. F. POLLARD, M.A., Litt.D. Price 1s. 6d. net. Annual Subscription, post free, 6s. 6d. net.

W. & A. K. JOHNSTON'S PUBLICATIONS.

The following will be

READY for the COMING TERM. ORDER NOW.

IMPERIAL WALL MAPS, 72×63 EUROPE.

LARGE SCHOOL WALL MAPS, 50×42 ASIA.

SMALL SCHOOL WALL MAPS, 34×28 AFRICA.

With all the New Peace Boundaries inserted. **WORLD.**

ATLAS SENIOR GEOGRAPHY. EUROPE.

" " **MEDITERRANEAN LANDS.**

Specially suitable for Upper Forms and Candidates preparing for the Oxford and Cambridge Locals and other University Examinations.

EDINA JUNIOR HISTORIES.

Book V.—**The Age of Empire Building.**
A.D. 1713–1815.

Book VI.—**The Age of Democracy.**
A.D. 1815–1918.

Books I to IV now ready.

Suitable for Lower Forms of Secondary Schools,
Upper Standards of Elementary, Higher Elementary,
and Central Schools and Evening Continuation Classes.

Problems of National Education. By Twelve Scottish Educationists.

With a Prefatory Note by the Right Hon. ROBERT MUNRO, K.C., M.P., Secretary for Scotland. Edited by JOHN CLARKE. 12s. net.

The Scottish Educational Journal.—"The book is one that all interested in education should obtain. It should be placed next the Report of the Reform Committee, to which it is a natural supplement. It is, however, more than that. The Report was a challenge to the powers of darkness. This book is a herald of the light."

Scottish Literature: Character & Influence. By G. GREGORY SMITH. 8s. 6d. net.

The Daily Graphic.—"Erudition and charm mark these essays, which are concerned with the character or habit of Scottish literature, and the influence which that literature has exerted on others."

NEW UNIFORM AND CHEAP EDITION OF

The Novels of Hugh Walpole.

Crown 8vo. Red Cloth. 3s. net each.

The Wooden Horse.

Mr. Perrin and Mr. Traill.

The Prelude to Adventure.

Fortitude.

ENGLISH LITERATURE FOR SECONDARY SCHOOLS. New Volumes.

Reynard the Fox. Edited for Schools by H. A. TREBLE, M.A. Illustrated by W. F. CALDERON. Sewed. 1s. 6d.

Macaulay's Essays on Frances Burney (Madame D'ARBLAY). With Introduction and Notes by ALICE D. GREENWOOD. Sewed. 1s. 6d.

Sir Philip Sidney's Defence of Poesy. Edited by DOROTHY M. MACARDLE, B.A. Sewed. 1s. 8d.

Ruskin. The Crown of Wild Olive. Three Lectures on Industry and War. Edited for Schools by J. H. FOWLER. Sewed. 1s. 3d.

Eliot. Silas Marner. Abridged for Schools by MAY COPSEY, B.A. Sewed. 1s. 6d.

POCKET CLASSICS. New Volumes.

Sheridan. The Rivals and The School for Scandal. Edited, with Introduction and Notes, by W. D. HOWE, Ph.D. 1s. 6d. net.

English Essays. An Anthology of Essays from BACON to LUCAS. Edited, with Introduction and Notes, by DAVID T. POTTINGER, A.M. 1s. 6d. net.

PARTS I, II, AND III JUST PUBLISHED.

Elements of Analytical Geometry.

By GEORGE A. GIBSON, M.A., LL.D., Professor of Mathematics in the University of Glasgow, and P. PINKERTON, M.A., D.Sc., Rector of the High School of Glasgow. Complete, 8s. 6d.

Part I. The Straight Line and Circle. 3s. 6d.

Part II. Graphs and Curve Tracing. 3s. 6d.

Part III. Conic Sections. 3s. 6d.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C. 2.

its curriculum, &c.—in other words, its scope will probably be much narrower than that of the Commission which dealt recently with secondary education in England. Several questions are naturally asked, and to the answers which will be given to them great importance is necessarily attached. What, for instance, will be the attitude of the Commission towards the Central Welsh Board? Is this move an indirect method of suppressing it? The desire for autonomy in education in Wales is deep-rooted and firm, so that the proceedings will be carefully watched with the view of discovering whether there will be any attempt to use the Commission as a means of reducing our local control over secondary education. In two, at least, of the Commissioners, Mr. Alderman Williams and Mr. Wm. George, Wales has a guarantee that its autonomous powers are not curtailed, and undoubtedly relies on them to uphold them.

The appointment of the Hon. W. N. Bruce as Chairman is welcomed generally, because no one has done more towards the development of our intermediate system of education, and the Central Welsh Board is mainly his creation. He knows every aspect of our system thoroughly, and not merely from the official standpoint. The most serious criticism that is levelled against the personnel of the Commission is that it contains not a single head master, while Miss Faithfull can scarcely be well versed in the mysteries of our education system, and yet she is the only representative of the teaching profession. It passes our comprehension why teachers have been accorded such a meagre representation, and also why there is not a single teacher from Wales on it. If not too late, the omission should be rectified immediately in the interest of efficiency and also with a view of inspiring confidence in its deliberations.

The annual meeting of the Guild of Graduates of the University of Wales was held at the University College, Aberystwyth, on July 14. Mr. J. H. Davies, the Registrar of the College, was elected

University Court.

Warden for the year. There was a keen debate on the question of securing increased representation for the Guild on the reconstituted University, and finally it was unanimously resolved to apply for an increased representation of thirty-six. As Prof. Gruffydd, of Cardiff, said, the University is supposed to be democratic, but it could scarcely be regarded as such if it did not make use of its own graduates, while another speaker claimed that they alone came into contact with the democracy of Wales and understood the aspirations and desires of its people. It was, therefore, anomalous that the University should not give them a larger share in its government. The difficulty, however, arises at once that if the Guild is given a stronger representation, the County Councils, who claim an absolute majority, will also ask for more, and therefore nothing will really be gained.

An interesting and timely discussion was initiated at the University Court by Mr. Silyn Roberts, of the Appointments Board, on the relationship of University men to our industries. The Board were very keen on introducing more University men into the industries of the country; and not only did this apply to science men, but there was much scope for arts men in administrative and similar posts. To bring this about, the Secretary stated, a kind of clearing-house would be formed in London, and at the end of each year he would send up to the clearing-house a list of the men who were prepared to devote their lives to business, and the Federation were willing to take these men simply upon the recommendations of the Appointments Board without an interview—an entirely new departure in the United Kingdom. This scheme was heartily approved by the Board, and no doubt, if it is successful, it will greatly facilitate the passage of University men to our most important industries.

At the same meeting of the Court Lord Kenyon announced that the Treasury had consented to the Swansea Technical College becoming the fourth constituent college of the University, and he heartily congratulated the Mayor and Corporation on the result. Mr. Herbert Lewis, M.P., said that all who were interested in higher education had watched the efforts of this great metallurgical centre with the deepest sympathy. Not only will Swansea benefit enormously from this development, but Wales as a whole will be enriched. Among those on whom honorary degrees were conferred were the Hon. W. N. Bruce, Principal David Salmon (Swansea Training College), Sir D. Brynmor Jones, P.C., K.C., Lady Verney, and Prof. Hugh Walker.

This report contains several eulogistic references to the work of the Central Welsh Board, and supplies ample evidence of the continued progress of the schools. Paragraph X contains some rather cryptic references to the effect of the Education Act, and foreshadows some changes in our system of control—apparently they have some connexion with the appointment of the Commission, to which reference has already been made. Other sections deal with Welsh, advanced courses, and examinations.

Mr. E. J. Jones, Assistant Secretary to the Monmouthshire Education Committee, has been appointed Clerk to the Central Welsh Board, instead of Mr. I. Myrddin Evans.

Personal.

Mr. H. G. Wright has also been appointed Professor of English at Bangor University College. We are also pleased to see that the University of Glasgow has conferred the degree of LL.D. on Sir John Morris Jones. Mr. Gwilym Davies, M.A., has been appointed Professor of Latin at Cardiff College; Miss M. G. Jones has also been appointed to the head mistress-ship of Howell's School, Llandaff; and Miss C. Morgan to that of the Barry Intermediate School.

SCOTLAND.

The University Court have appointed Dr. Francis J. Charteris to be Professor of Materia Medica, in succession to Prof. Marshall, now of Aberdeen. Prof. Charteris has been Lecturer in Materia Medica at Glasgow University since 1911. The Court have also appointed Mr. Lloyd Turton Price, Lecturer in Clinical Surgery, to be Professor of Surgery, in succession to Prof. MacEwan, who has resigned. On the recommendation of the Secretary for Scotland the King has appointed the Rev. George S. Duncan to be Professor of Divinity and Biblical Criticism in St. Mary's College, St. Andrews University. Under the auspices of the University a School of Social Study and Training has been instituted, in connexion with Grey Lodge, Dundee.

On the recommendation of the Secretary for Scotland the King has appointed Prof. G. G. Henderson to be

Glasgow.

Regius Professor of Chemistry in the University, in room of the late Prof. John Ferguson. Prof. Henderson has been Professor of Chemistry at the Royal Technical College, Glasgow, since 1892. He is a distinguished graduate of the University, and he was for some years Assistant to Prof. Ferguson and Lecturer in Chemistry at Queen Margaret College. Dr. John Shaw Dunn, Lecturer in Pathological Histology in the University, has been appointed Professor of Pathology in the University of Birmingham. The Principal reported, at a meeting of the University Court, that, as the result of a conference of the four Universities, complete understanding has been arrived at with regard to the new Ordinance for the degree of B.Sc. The present degree is of honours standard; but this is not indicated in its title, and it has therefore been confused with the ordinary B.Sc. degree of the English Universities. It is intended in the new Ordinance to make this clear and at the same time to revise the Ordinance, which has been in existence for about thirty years. The Ordinances for the four Universities will differ in some details, but will be on parallel lines. It was also reported that the University War Memorial Committee has resolved that the memorial should take the form of a University Chapel, and that an annual commemoration day should be observed, at which the roll call of the fallen should be read. So far as is at present known, 580 alumni and students of the University fell in the war. The Scottish Universities Entrance Board have unanimously agreed that the conditions for entrance into the Faculty of Medicine should be the same as those in the Faculty of Arts and the Faculty of Science. New regulations will be framed, but these cannot be approved until December, and as a full year's notice must be given thereafter, the change will not take effect until January 1921. The War Office has presented to the University a challenge cup, the late property of No. 9 Officer Cadet Battalion, to be held as a challenge trophy in the University O.T.C.

The University Court have appointed Prof. Findlay, of Aberystwyth, to the Chair of Chemistry at Aberdeen, in succession to Prof. Soddy, now of Oxford.

Aberdeen.

At the summer graduation the degree of LL.D. was conferred on Sir Douglas Haig, Sir Roger Keyes, Sir James Cantlie, Sir James Porter, Prof. F. O. Bower (of Glasgow), and others.

On the recommendation of the Secretary for Scotland, the King has appointed Sir Harold J. Stiles to the Chair of Clinical Surgery in the University, in room of Prof. Caird, resigned. Sir Harold Stiles, who had a distinguished career at Edinburgh University, is a surgeon whose reputation extends not only throughout the British Isles, but to Europe and America. He did valuable hospital service during the war. At the summer graduation the degree of LL.D. was conferred on a large number of distinguished men, including

Edinburgh.

Cardinal Mercier (*in absentia*), Sir Thomas R. Fraser, Sir William McCormick, Sir Thomas Mackenzie (High Commissioner for New Zealand), Sir W. G. Macpherson, Sir Reginald Wingate, and the Secretary for Scotland. The degree of B.Sc. in Engineering was conferred on Miss Elizabeth H. M. Georgeson, the first woman student who has received this degree in Scotland. Miss Dorothy

(Continued on page 544.)

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

OLD GYMNASIA

Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S

Several Recent Secondary School and Welfare Outfits.

SCHOOL CLINICAL

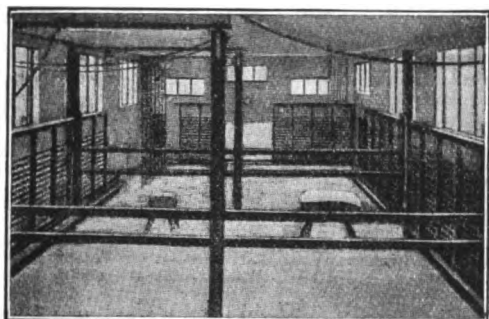
Plinths, Correction Belts, Head Suspension

A P P A R A T U S

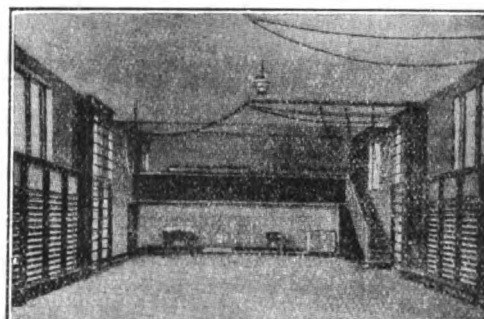
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12080.

G. Downie, who had already received the degree of B.Sc. in Pure Science, also received the degree of B.Sc. in Forestry, conferred on a woman student for the first time.

Appointments Department. Circulars have been issued by the Scottish Office and the Scottish Education Department to Education Authorities and Town Clerks regarding the employment of ex-officers and men of H.M.

Forces, whose names are registered with the new Appointments Department of the Ministry of Labour. Education Authorities are urged to give special consideration to the claims of these men in making administrative appointments. The circulars are rather belated, as most of the Scottish Education Authorities have already made appointments to their chief administrative posts, which have been as a rule filled by teachers and others who have had educational experience. There will, however, probably be openings in course of time when the continuation schemes have been prepared. A circular has also been issued by the Education Department, expressing the hope that Education Authorities will give every encouragement to the War Savings Movement, both in the national interest and as an important part of one of the functions of every Education Authority, namely, the encouragement of thrift.

Directors of Education. Dr. John Macdonald, Rector of Dunfermline High School, has been appointed Director of Education for the County of Aberdeen, at a salary of £800 rising to £1,000 a year. Mr. William D. Kennedy,

Rector of Oban High School, has been appointed Director for Banffshire, at an initial salary of £500 a year, with £100 for travelling expenses. Dr. D. C. McIntosh, Mathematical Master at the Edinburgh Ladies' College, has been appointed Director of Education, Clerk, and Treasurer to the Morayshire Education Authority. Dr. Philip, of George Watson's College, Edinburgh, has been appointed Executive Officer for the Education Authority of Ross and Cromarty. He is a distinguished scholar and a Gaelic speaker.

IRELAND.

Application of the Birrell Grant. The Intermediate Education Board have published the annual report for the year ending March 1918, on the application of the Teachers' Salaries Grant, better known as the Birrell Grant of £40,000.

The number of intermediate schools sharing in the grant is 354, and of intermediate pupils, i.e. pupils over twelve years of age

receiving intermediate education, 21,270. The corresponding figures for the previous year were 350 and 19,124 respectively. Of these, 232 schools with 14,710 pupils are under Roman Catholic management, and 122 schools with 6,560 pupils are under non-Roman Catholic management. In the Roman Catholic schools the number of duly qualified lay teachers is 264, an increase of exactly a hundred over the figure for 1917. There are also 99 nuns who claim to be lay teachers and who satisfy the conditions, but whether they are lay teachers or not is for the Government to decide. In the non-Roman Catholic schools the number of duly qualified lay teachers is 370, an increase of 75 over 1917. In addition, there are three Roman Catholic laymen and 49 non-Roman Catholic laymen heads and owners of their schools, receiving the profits of them. In the Roman Catholic schools there are 239 lay teachers and in the others 396 lay teachers not fulfilling the conditions—a decrease in the former of 49 and in the latter of 24. In the Roman Catholic schools the highest salary paid to an assistant is £200 non-resident and £150 resident, and in the non-Roman Catholic schools £375 non-resident and £280 resident. The schools as a whole have more than the requisite minimum of one duly qualified lay teacher for every forty pupils, since they have 634 and only 532 are requisite; but taken separately the Roman Catholic schools are still over a hundred short of their requisite number, which is 368; while the non-Roman Catholic schools have over two hundred more than their required number of 164. If the 99 nuns above referred to are included, the Roman Catholic schools have almost exactly the required number.

The Archbishop of Dublin, having been appointed Provost of Trinity College, has vacated the office of Vice-Chancellor, and the Lord Chancellor of Ireland, Sir J. H. Campbell, has been appointed in his stead. He was a scholar of the College in 1872 and Senior Moderator in Classics and History in 1874. On July 4 the University conferred honorary degrees of LL.D. on the Lord-Lieutenant (Viscount French of Ypres), General Sir H. H. Wilson, and Brigadier-General R. C. Jellicoe; and of M.D. on Major-General J. J. Gerrard, Sir J. M. Irwin, Major-General J. J. Russell, Major-General Sir W. T. Swan, and Major-General Sir H. N. Thompson; and of Sc.D. on Prof. F. O. Bower and Sir Lynden Macassey. Speaking at a dinner the same evening the Lord-Lieutenant gave statistics of the war services of Trinity
(Continued on page 546.)

VACANCIES IN SCHOOLS

IMPORTANT

So many Schools at present being full, some with long waiting lists, it will be an assistance to us, in dealing with the large number of inquiries daily received, if Principals likely to have vacancies for the next two terms will notify us as early as possible.

J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON. E.C.4. Telephone: Central 5053.



BUY AND SELL SECOND-HAND AND NEW COLLEGE TEXT-BOOKS; ENGLISH AND FOREIGN. ENQUIRIES FOR BOOKS WANTED, AND OFFERS OF BOOKS FOR SALE, ARE INVITED.

Telegrams: "Heffer Cambridge." Telephone: 862.

STANDARD BOOKS TO CONSULT.

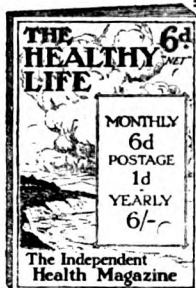
THE PUBLIC SCHOOLS YEAR BOOK	...	net	7/6
THE GIRLS SCHOOL YEAR BOOK	...	"	6/-
THE SCHOOLMASTERS YEAR BOOK	...	"	20/-
THE DIRECTORY OF WOMEN TEACHERS	...	"	10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,
31 Museum Street, LONDON, W.C.1.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W. 1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



BOOKS. *New or Second-hand.*

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 1's at **3s. 6d.** 2's to 7's at **3s. 11d.**

GYM SHOES. Black canvas, with chrome leather soles sewn on. 12's to 1's at **4s. 11d.** 2's to 6's at **5s. 11d.**

DANCING SANDALS. Black glacé kid, hand sewn, sizes 2's to 7's at **12s. 9d.** Best quality at **14s. 9d.**

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,
SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.

A MESSAGE TO VIOLIN LOVERS.



We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your enquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

SECOND-HAND SCHOOL BOOKS FOR USE NEXT TERM.

NEW CATALOGUE READY SHORTLY.

Please write for copy to—

GEORGE OVER, Educational Bookseller, RUGBY.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126.

THE "POSITIVE" ORGAN IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.

Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a

REGISTER OF TEACHERS

is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C.1.

College up to November 9 last. Of graduates and undergraduates 2,561 had served, of whom 743 were undergraduates, 136 were privates, 140 chaplains, 789 medicals, and 166 engineers. Four hundred were killed in action or died on service, 215 were mentioned in despatches, 130 received the Military Cross, and 46 the D.S.O. There were many other distinctions including one V.C. The University has lost its senior representative in Parliament by the promotion of Mr. A. W. Samuels, the Attorney-General, to a Judgeship. At the time of writing there is only one candidate before the electors, Mr. H. M. Jellett, K.C.

Alexandra College, Dublin, celebrated, on July 4, its jubilee, postponed on account of the war from 1916. The Provost of Trinity, Dr. Bernard (for many years its Warden), presided, and the Lord-

Lieutenant, Sir Henry Wilson, and Sir Lynden Macassey were present and spoke of women's work in the war. The work of the College was well described by the Provost and by Dr. White, the Lady Principal. Opened in 1866, before either Newnham or Girton, with 18 or 20 students in one house, it had now 316 students taking the full course, independently of others who were taking part-time courses; and the school, which was founded in 1873, and now under the successful head mistress-ship of Dr. Mulvany, was attended by over 300 girls. A message from Queen Alexandra described the growth and expansion of the activities of the College of which she was the patroness. The most important developments were the institution of a housecraft department and departments for special secretarial training and for the training of secondary teachers. In addition a Guild for social service had been working for twenty-two years, and in connexion with it are playrooms for children, libraries, a club for factory girls, a hostel for working girls of the middle classes, and a bursary scheme. The chief work of the College, however, has been as a pioneer in the cause of the higher education of women. The Lady Principal said it was proposed to add a dignified front to their College as a memorial of the Jubilee, their original one house having extended to eight. The terrace would then be brought into harmony with the Jellicoe Hall, and their buildings would have a more collegiate appearance.

The Irish Geographical Association celebrated its first annual general meetings in the Royal College of Science, Dublin, on July 3 and July 5. The President, Mr. H. J. Mackinder, M.P., was

unfortunately prevented by Parliamentary duties from being present to deliver his address, and in the absence through illness of the Chairman, Prof. Grenville Cole, the meetings were presided over by Prof. H. J. Seymour. There was a discussion on "The Position of Geography in Irish Schools"; a lantern lecture, by Prof. Oldham, on "Geography at the Peace Conference"; and an excursion on Saturday afternoon to Killiney Hill, Co. Dublin.

SCHOOLS.

WESTFIELD COLLEGE.—The Council have awarded scholarships as follows:—Dudin Brown Scholarship of £50 a year for three years to Evelyn M. Moore (Fulham County Secondary School) for History; Old Students' Scholarship of £50 a year for three years to Dorothy Smith (Hanson Girls' Secondary School, Bradford) for Botany. The Goldsmiths' Scholarship of £50 a year for three years has been awarded to Gwen D. Griffiths (St. Saviour's and St. Olave's Grammar School, New Kent Road) for English. A Bursary of £50 a year for three years to Miss Anna Bjarnadóttir (of the University of Iceland) for English. The Council have also offered Research Studentships for post-graduate work to Miss Eveline C. Martin (an old student of the College) and to Miss Julia G. Wales (Instructor in English at Wisconsin University).

PRIMARY SCHOOL NOTES.

The Education Act: Appointed Days.

THE fixing of August 1 as the "appointed day" for Sections I to V, inclusive, of the New Education Act will add considerably to the administrative activities of Local Education Authorities, since provision will now have to be made for the advanced instruction of older children in primary schools, for the preparation and submission of schemes by Local Education Authorities to the Board of Education, for safeguarding the health and physical condition of school children, and for ensuring a sufficient supply of efficient teachers. Sub-sections iv and v of Section VIII, which come into operation on the same date, empower Local Authorities to raise the

(Continued on page 548.)

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Halleybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of
Uniforms, Head-dresses, Accoutrements, Lace, and Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office:

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armillustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

THE NEW MAGAZINE.

"ENGLISH."

For Readers, Writers, Teachers, and all lovers of the language.

THE ONLY MAGAZINE OF ITS KIND.

6d. Monthly. Annually, 7s. 6d. post free.

6d. post free, "English" Office,

FOYLES, 121 CHARING CROSS RD., W.C.2.

SAVE 50% of your TIME

by ordering your **NEW BOOKS** through Mr. John Davis, who can always secure good second-hand copies of manuals out of stock at the Publishers.

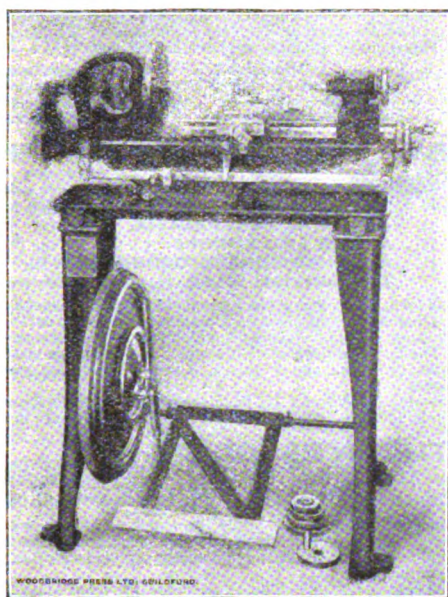
Extract from letter dated October, 1918:—"I am preparing a further order for you as I am well pleased with your past efforts to secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C. 4

DRUMMOND LATHES



Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated.
A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable.
DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable.
The 36 in. Lathe illustrated below is low in price, but capable of the highest class work.

As supplied by the British Admiralty.

Catalogues on application to

DRUMMOND BROS., Ltd., VIEW HILL, GUILDFORD.

JAMES GRAY LTD.

HEATING ENGINEERS,

DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone:
Western 201.

Telegrams:
Gray 201 Western London.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 510.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holbein Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

FRENCH GIRL, 20, Certificat Supérieur, desires post in a School as **FRENCH TEACHER.** Would accept a small salary, could help in Sewing. Good reference if required.—Mademoiselle L. J., 54 Rue de la Vigny, Tourcoing (Nord), France.

PIANOFORTE MISTRESS, trained by Schumann pupil, seeks non-resident post. Twelve years' experience. Preparation for all grades of examination. Extracts from (1) reference; (2) Principal's letter. (1) "Her abilities as a teacher need no word of mine, for her own past record speaks for them"; (2) "The pupils are a real credit to your excellent teaching."—Miss ECCLES, 2 Southmill Road, Bishop's Stortford.

WANTED, in September, post as FIRST FORM MISTRESS, with part time gardening if possible. Froebelian trained. Long experience in Secondary High Schools. Excellent testimonials. Address—No. 10,861.*

ART TEACHER (experienced, qualified, registered) desires visiting engagements at Schools in Margate, Broadstairs, Ramsgate, Westgate districts. Address—No. 10,862.*

Posts Wanted—continued.

AS MATRON HOUSEKEEPER, hospital trained, Boarding School experience. Understands catering for numbers. Musical. Excellent references.—478 M, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Many others disengaged. Heads of Schools invited to make known their requirements. Established 1881.

CHARMING young FRENCH MISTRESS, officer's daughter, holds Baccalauréat Philosophie. Excellent references. French, Piano, Singing, Drill, Kindergarten. — 8,024 F, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. Many others. English, Art, Languages. Selected list gratis.

HIGHLY recommended FRENCH MISTRESS, Diplômée, experienced high-class Boarding Schools. Popular with pupils (organizing school plays). Successful coach. Elementary Italian. — 8,041 F, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Others. English, Art, Languages. Selected list gratis in exchange for full particulars of requirements.

LADY SECRETARY requires re-engagement (Boys' or Girls' School). First-class secretarial training. Shorthand, speed 120, typing, 50. Book-keeping.—E.B.P., HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Many others. Selected list in exchange for full particulars of requirements. Established 1881.

ABROAD OR ENGLAND.—Non-resident French Mistress, 7 years' reference. Principal states: "Excellent teacher, good disciplinarian; in truest sense a gentlewoman."—8,049 F, HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881. Others. Selected list in exchange for full particulars of requirements. Schools recommended and transferred.

DEMOISELLE française, teacher, 17 years' experience, Brevet Supérieur, Certificat d'Aptitude Pédagogique, speaking English and German, some knowledge of Latin, seeks post in England. Apply to Mlle Loré, chez Mme Biart, 6 Rue Gambetta, Langres (Hte Marne), France.

Posts Wanted—continued.

SWISS lady and daughter seek re-engagement together, both certificated Kindergarten teachers, teach French and German. Very successful with, and fond of, children. Mother would take Matron's position.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881.

LADY, B.Sc., requires post as **SCIENCE MISTRESS** in high-class Girls' School. Chemistry, Physics, Mathematics. Address—No. 10,871.*

FULLY trained FRENCH MISTRESS (Direct Method) requires post for September in good Boys' or Girls' School. Experienced, four years in same School. Successful in examination work. Good testimonials. References. Address—No. 10,872.*

LADY seeks post as **SECRETARY** or **BURSAR.** Pre-war training and experience. Accounts to Profit and Loss, Shorthand, Typing, &c. Higher Certificate Oxford and Cambridge Examining Board. Would go to France or Switzerland; experience; decimal coinage and good French. Boys' School preferred. Address—No. 10,873.*

MUSIC MISTRESS is free for visiting work two days a week. Experienced teacher (Matthay principles). Successful in preparing pupils for advanced examinations. District between Redhill and London.—Miss NASH, L.R.A.M., The Kerri, Reigate.

GENTLEWOMAN requires post as **HOUSEKEEPER** in School. 1st class diploma Edinburgh School of Cookery and Domestic Science, Atholl Crescent. Newcastle or North of England preferred. Experienced; good references. Address—No. 10,874.*

GAMES, DANCING, SWEDISH GYMNASTIC MISTRESS, highly qualified (Diplômée), visits Schools. Dancing a speciality; experienced; highly recommended.—C., 3 Park Mansions, St. John's Wood, N.W.8.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

age of compulsory school attendance to six years, and to make provision for the instruction of pupils in primary schools up to the age of sixteen years.

The Forgotten Half-timer.

It is somewhat remarkable that the most important part of the Act, Sub-section i of Clause VIII, which proposes to raise the school-leaving age to fourteen years, remains in abeyance. Some 30,000 child-toilers are still allowed to work as half-timers in the cotton and woollen factories of northern England. The hope of the Half-time Council that Peace Day would signalize the emancipation of these unfortunate children has not been realized; on the contrary, parents of the avaricious type are applying eagerly for half-time exemptions on behalf of their children. As the advent of the "appointed day" for this sub-section would allow the youngest half-timers to attend school in this capacity until the age of fourteen years, it follows that the schools would not be free of such pupils until practically two years after the advent of the "appointed day."

Men and the Teaching Profession.

NOTWITHSTANDING the enactment of the Teachers' Superannuation Act and the prospects of improved financial conditions of service, there appears to be little or no improvement in the number of men recruits to the teaching profession. On the contrary, those who are in close contact with the inner feelings of men teachers cannot fail to note the rising bitterness with which the unwillingness of Education Authorities, Central and Local, to take prompt action to improve scales of salaries is viewed. The simple fact that not a single Authority in the country is prepared to pay thoroughly competent college-trained teachers an initial salary equal to that which is laid down for the rawest village constable, is one which makes a definite and painful appeal to all grades of teachers. There is a strong feeling that the game of see-saw between the Board of Education and the Local Education Authorities should give place to a statesmanlike and definite policy which will place teachers once and for all beyond the position of semi-starvation which has been theirs for the past ten years.

The Policy of High Initial Salaries.

THERE is evidently a strong feeling in certain quarters that the plan of offering comparatively high initial salaries to teachers will have the happy effect of creating a speedy stream of recruitment to the profession. On the other hand, the opinion is held among responsible teachers that the wiser policy would be to grant improvements of salary as the teachers gather experience, in order that full encouragement should be given to successful effort. Consultation with representative teachers would doubtless tend to secure a common basis of action; further, it would help to gain the goodwill which is essential to any comprehensive movement for recruiting the teaching profession.

The Staffing of Continuation Schools.

The courses of instruction at the Summer Holiday schools show a general tendency to include subjects which will naturally be taken with pupils attending upper standard and continuation school classes. It is evident also that the Universities are prepared to contribute to the Renaissance in English education by organizing special series of lectures for intending teachers in these schools. The number of applications from teachers for summer courses has been extraordinarily high this year, and it is clear that there will be a free movement of primary-school teachers to the continuative branches of education, provided the conditions of service approximate to those obtaining in secondary schools.

The New Salary Scale of the N.U.T.

THE revised scale of salaries which the Executive of the Union was authorized to draw up by the Easter Conference at Cheltenham gives a minimum salary of £170 for certificated class teachers, rising by annual increments of £15 to a maximum of £450 per annum. Years spent in college for purposes of training are to rank as teaching service. Head teachers are classified according to the grade of school, the respective maxima for the four grades being £500, £550, £600, £650. The scale applies equally to men and women.

The King and School Peace Holidays.

THERE is general satisfaction at the announcement of the desire of His Majesty that there should be a general addition to school holidays in celebration of the Peace. Quite apart from the nervous strain borne by children in common with their elders, the schools

Continued on page 550.)

UNIVERSITY OF LONDON PRESS.

EVERYMAN'S CHEMISTRY.

The Chemist's point of view and his recent work told for the Layman. By ELLWOOD HENDRICK. New Edition, with illus. Demy 8vo, 8/6 net.

Nature.—"The man in the street is not particularly interested in theory but prefers to learn something about practice, and it is safe to say that few popular books contain such a mass of examples of the application of chemistry to practical problems. . . . There can be no doubt the book is excellent."

Professor J. L. PATON (of Manchester).—"I think the book ought to be distinctly useful in the attempt to familiarize our young boys, especially classical boys, with some of the staple processes of the application of Chemistry to production and the method of scientific discovery. It is quite a live book."

THE NEW REGIONAL GEOGRAPHIES.

By LEONARD BROOKS, M.A., F.R.G.S.

- Book I. **THE AMERICAS.** Cloth, 3/6 net. (Ready.)
- " II. **ASIA AND AUSTRALASIA.** Cloth, 3/6. (Ready.)
- " III. **AFRICA AND EUROPE.** Cloth. (In the Press.)
- " IV. **A SENIOR SCHOOL GEOGRAPHY.** (In Preparation.)
- THE BRITISH ISLES.** Issued separately with maps, 2 6.

These volumes form a four years' Geographical Course for Secondary Schools. The old conventional order of studying the Continents is rejected in favour of a new and original grouping, offering advantages which will be obvious to every teacher of geography. The books are profusely illustrated and contain a large number of valuable questions, problems, and exercises, as well as specimen questions from examination papers.

The matter comprising Volume III has been in type for some months pending the alterations in boundaries, all of which have been given effect to in this volume.

THE STUDENT'S GUIDE.

By JOHN ADAMS, M.A., B.Sc., LL.D., Professor of Education in the University of London. Fifth Impression. Cloth, 4/6 net.

With practical pointers on how to study, how to memorize, how to take notes at lectures, how to divide one's time, how to prepare for examinations, is combined a revelation of what the student years might be—and so often are not—to the careless youth.

The Times.—"Dr. Adams has written an admirable book, and a student may be regarded as fortunate who avails himself of its wisdom. Those who must pursue their studies without the aid of a teacher will find much in this volume which will save them from many of the pitfalls which beset their path."

GEOGRAPHY AND WORLD POWER.

By JAMES FAIRGRIEVE, M.A., F.R.G.S., recognized teacher in the University of London in the theory and practice of Education. New Edition with 80 Maps and Diagrams. Cloth, 4/- net.

From *The Times*.—" . . . It is a valuable review treating in a broad philosophic way the influence of physical facts upon history," and in the words of the *Glasgow Herald* reviewer, "One could not desire a more fascinating introduction to the study of world history than this masterly analysis."

A MATRICULATION ENGLISH COURSE.

By B. J. SPARKS, B.A., B.Sc. Cloth, 3/-.

This book covers efficiently the whole of the ground in English Grammar and Composition for the London University Matriculation and Examinations of similar standard.

A SCHOOL OF CHEMISTRY.

By W. H. RADCLIFFE, B.Sc., F.C.S., Chemistry Master of Tenison Schools. Part I, 3/- Part II, 1/6.

A SHORT HISTORY OF MODERN EUROPE

From the French Revolution to the Great War.

By EUGENE L. HASLUCK, B.A. With many specially prepared Maps, 3/-.

ECONOMIC GEOGRAPHY OF THE BRITISH EMPIRE

By C. B. THURSTON, B.Sc., Geographical Master at Kilburn Grammar School. With specially prepared Maps and Tables. Cloth, 3/6.

UNIVERSITY OF LONDON MATRICULATION EXAMINATION.

ENGLISH PAPERS (September 1915—June 1918)

Bound up together. 1/6 net. Postage, 2d.

ARITHMETIC AND ALGEBRA (with Answers).

GEOMETRY AND MECHANICS along with

MATHEMATICS MORE ADVANCED

(with Answers) (September 1915—June 1918).

Bound up together. 2/- net. Postage, 3d. extra.

18 Warwick Square, London, E.C.4.

The Future Career Association.

(Established 1904.)

CONVEYANCING DEPARTMENT.

This Department is now under the direction of **Mr. F. C. NEEDES, B.A.**, whose experience, advice, and assistance are unreservedly placed at the disposal of **Purchasers** free of charge.

TRANSFERS and PARTNERSHIPS arranged by correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

An **unusual opportunity** offers itself to a young energetic lady of good social position, with educational qualifications, to acquire a **partnership** in one of the best **Girls' Schools** near London. Sound investment, but monetary consideration of secondary importance.

FOR SALE (*inter alia*).

1. **Ladies, possessed of capital and good educational qualifications** and experience, can hear of an excellent opportunity of acquiring a **good class and exclusive Boarding School** for Girls, with an income of about £10,000 p.a., and situate in most beautiful premises and grounds.
2. **North of England.—Flourishing Good Class Girls'.**—Etab. 40 years. 22 Day Boarders. Fees £3 a term plus tuition fees. 141 Day. Fees from £2.7s. to £4 a term. Receipts 1918, £1,786. Net profits £562. Good premises—vendor's freehold—will sell for £1,450, mortgage arranged or will let. School has a splendid connexion and has a good reputation. Goodwill about £800. School furniture, &c., at valuation. Excellent chance for two or more ladies.
3. **Salop.—Flourishing Boarding and Day School** of 15 Boarders, 11 Day Boarders, and 45 Day. Receipts to February 1919, £1035. Specially built premises, with every accommodation. In best residential part. Rent only £50. One term's capitation fees accepted. School and House furniture (if required) at valuation.
4. **Home Counties.—High Class Day** connexion of about 35 pupils to be had, with probably a few young boarders, all at high fees. Good chance of working up a large day connexion. Excellent premises, with grounds of nearly 3 acres. Rent about £300. One Term's capitation fees accepted. Suitable for a lady of good educational qualifications anxious to secure a High Class Day connexion, or a lady wishing to remove her Boarders to an attractive residential locality.
5. **Lincs., old estab., good Middle Class Girls' School.**—19 Boarders, 6 day ditto and 40 Day pupils. Receipts £1,052. Large house and grounds. Rent only £100. Vendor, who is going abroad, will accept one Term's capitation fees.

53 VICTORIA ST., WESTMINSTER, S.W.1

Telephones: Victoria 4163 and 5942.

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY

All University Graduates with highest honours selected primarily for their **TEACHING ABILITIES**

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN TEACHERS' EXAMS.
DURHAM UNIVERSITY GENERAL EXAMINATIONS
THEOLOGICAL EXAMS. INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

Lewis's Medical and Scientific Circulating Library

Annual Subscription, Town or Country, from One Guinea.

All the latest books obtainable without delay.

The Library Reading Room is open daily to Subscribers.

H. K. LEWIS & CO. Ltd.,

SCIENTIFIC AND TECHNICAL BOOKSELLERS,

Orders from all parts of the World promptly and carefully executed.

136 Gower Street and 24 Gower Place, London, W.C.1.

LEWIS'S PUBLICATIONS.

JUST PUBLISHED. Crown 8vo. 4s. 6d. net. Postage 4d.

AUTOEROTIC PHENOMENA IN ADOLESCENCE.

An Analytical Study of the Psychology and Psychopathology of Onanism.
By K. MENZIES, with a Foreword by Dr. ERNEST JONES.

NOW READY. Post 8vo. 4s. 6d. net; post free, 4s. 11d.

THE ADOLESCENT PERIOD: ITS FEATURES AND MANAGEMENT.

By LOUIS STARR, M.D., formerly Physician to the Children's Hospital, Philadelphia, &c. Intended for the Teacher and Parent as well as the Practitioner.

"Will doubtless find its way into households in which it will prove useful."—*West London Medical Journal*.

London: H. K. LEWIS & CO. Ltd., 136 Gower Street, W.C.1.

Publishing and Wholesale Office, 28 Gower Place, W.C.1.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 547.

WANTED, in September, **ENGLISH MISTRESS** in Girls' Boarding and Day School. Experience necessary, and good Arithmetic. Apply—Miss EVEREST, Moreton House School, Dunstable, Beds.

WANTED, end of September, situation as **MATRON** in Girls' or Boys' School, or **COMPANION** or **HOUSEKEEPER**, or any place of trust. Midlands.—D. c/o Edith Smallwood, Lancaster House, Malvern.

UNIVERSITY woman, practical, experienced, wishes to hear of **OPENING** for **BOARDING HOUSE** for School girls or for a **HOSTEL** for Women Students.—HOGG, Laurel Cottage, Burwash Sussex.

Posts Wanted—continued.

FRENCH MISTRESS, Brevet Supérieur, requires post for September. Crossing to England in August, interview possible if required. Write—Mademoiselle SÉDILLE, 68 rue des Capucins, Reims, France.

TRAINED Certificated **MISTRESS** desires post in Secondary School as Junior Form or Kindergarten Mistress. Kent or Surrey preferred. 10 years' experience in elementary School. Singing, Needlework.—R.B.H., Edburga, Minster, Ramsgate.

THE Principal of a London School wishes highly to recommend for visiting lessons an enthusiastic young **DANCING AND SWEDISH DRILL MISTRESS** who has been with her nearly three years. Very bright with her pupils. Trained at Liverpool.—R. C., 3 Park Mansions, N.W.8.

Posts Vacant.

WANTED, for an English School in Denmark, a fully trained Certificated English **TEACHER OF DOMESTIC ECONOMY** (resident). Apply, giving full particulars and stating salary required, to Countess RABEN-LEVITZAU, The English School, Nysted, Denmark. Term begins September 4th.

TYPEWRITING and Duplicating, MSS., &c.; accurate, prompt.—MILNER, 18 Cardigan Street, Cardiff.

MEDICAL and EDUCATIONAL GYMNASTICS.—Wanted an Assistant. Private practice. Apply (with qualifications and photograph) to Miss THEODORA JOHNSON, Swedish Institute, Clifton, Bristol.

have done an enormous amount of useful war work which has received little official recognition. Teachers, too, have carried on their duties, often single-handed, in the absence of colleagues on war service. Many have broken down completely under the strain; more remain on the verge of collapse. Under these conditions a prolonged holiday would probably save much efficient teaching power for the national service.

PRIZE COMPETITIONS.

THE Translation Prize for July is awarded to "Uncle Sam"; *proxime accessit* "E. A. N."

The winner of the Translation Prize for June is Miss F. R. Neve, 18 Lawn Terrace, Blackheath, S.E.3.

Extract from Charles Nodier's "Souvenirs de Jeunesse":—

By "UNCLE SAM."

All the intimate pleasures of the soul have been pictured. I am sorry that there has never been pictured the great joy which seizes the twelve-year-old heart, fitted by some teaching and much sympathy for the understanding of the living world, taking possession of it as a heritage on a beautiful morning of spring.

It is thus that Adam must have seen the world made for him when he awoke from a child's sleep at the breath of his Creator. Oh, how beautiful the earth seemed to me! Oh, how I held my breath to listen to the sound of the woods and the gurgle of the stream! How I loved the twitter of the birds in the foliage and the bees around the flowers! And I was there caressing the flowers with my eyes, for I knew them all by name, whether they spread in trembling umbels or opened out in cups, or hung in bells, or spangled the grass like little stars fallen from the heavens. I let my hair fly to the wind, I ran to convince myself of my life and of my liberty. I dived through the bushes, I sprang over the ditches, I climbed over the mounds, I ran, I shouted, I laughed, I cried with joy, and then I fell into a delightful fatigue, I rolled on the springing turf, I intoxicated myself with its perfume, and, lying down, I embraced the blue horizon with a look that held no envy, and said to it with conviction which will never come again: "You are not more pure or full of peace than I. . . ." It was I myself, however, who thought that.

Almighty God! What have I done to You that You cannot give me, at the price of what remains to me of life, one of these moments of my childhood? Alas! every man who has, like me, experienced the illusion of early happiness and of his first hopes, has, without having deserved it, undergone the punishment of the first sinner. We also have lost a Paradise!

The amount of space required for this month's exercise compels us to cut our notes very short. The sting of the piece was in the first sentence. It is melancholy to have to record that more than forty competitors failed to see the construction and took *s'emparant de lui* to mean that the world took possession of the child. But it is the frequent experience of examiners that the incapacity to disentangle a complicated sentence is a very common defect with students of French. In drawing up the list of Class II we have discriminated between those who understood the sentence and those who did not. The prize-winner omitted the words *comme une autre abeille*, but no version was without a mistake.

We classify the 103 versions received as follows:—

Class I.—(a) Uncle Sam, E.A.N., Redivivus, Bésigue, Dorma, J.S., Fortune le veut, Borealis, Sobrina, Pip.

(b) Agricola, Bobby, Hesperus, Novice, Nil Desperandum, Memus, Oatis, Malta, La Bourdette.

Class II.—Trèfle, Brisquet, Banksia, Ninette, Bluetie, Excelsior, Emmo, Englishwoman, Erebus, Misty, Antelope, Cablegram, Loo, Matherau, T.G.E., Jolande, Adli, Traddles, Britannia, Mal Eclos, Somewhen, Rusticus, Black Cat, Mamble, Ardeonaig, Chingleput.

(b) Bohemond, Damaris, Nailil, Esse quam videri, Playshaw, Anna Maria, G.L.F., Menevia, Iota, Park, Nutcracker, Francesca, Melmillo, 229, Jean, Massouvie, Kooka, L.E.D., E.A.P., Sanspe, Jeune Fantassin, Trewin, E.M.M., Iona, D.E.B., La Devonne.

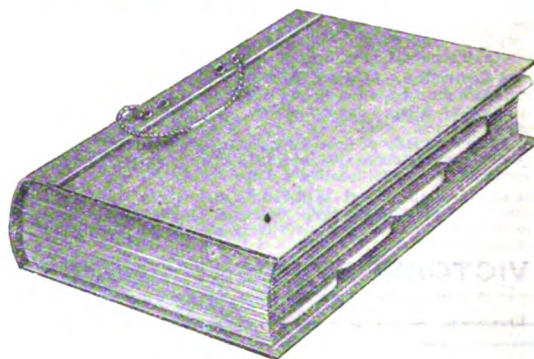
Class III.—Common Sense, P.S., Marie Joseph, Téméraire, Clune, Sperantissimus, G.E.M., Aiglon, Tante Greebish, Clement, M.E.F., Shamrock, Domus, Tom Turk, Panurge, Kikuyu, F.B.,

(Continued on page 552.)

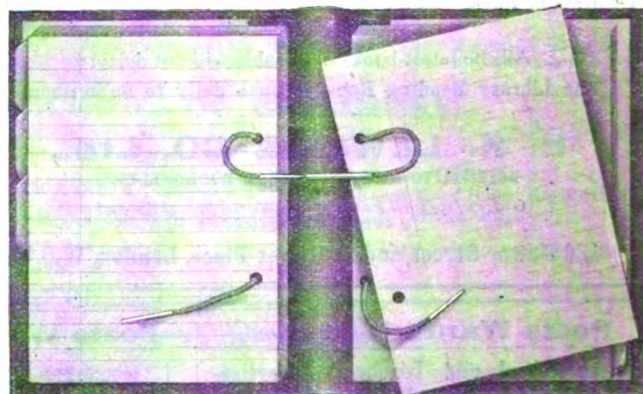
WM. HUNT'S OXFORD "IDEAL" LOOSE-LEAF EXERCISE BOOK.

(Patent.)

WM. HUNT'S Patent Ideal LOOSE-LEAF NOTE-BOOK constitutes the best and most convenient Higher Form and Science Class Exercise Book, Lecture Note Book, Loose-Leaf Scrap Book, Storage Covers for Notes, Letters and Papers of all sorts yet invented. The Book opens perfectly flat for writing, and binds up absolutely securely; can be un-made and re-made and the leaves transferred from one book to another or new leaves added in any manner without trouble and without risk of disarrangement or loss. No rings, posts, arches, or mechanism of any sort. Only one book necessary for many subjects. Each subject can be transferred to its own distinctive cover as convenient. 18 sizes and several qualities. Capacity one leaf or 300 with no lost bulk.



Showing the Book containing 300 sheets of paper closed. The Divisible Lace is here shown joined, by inserting the Pointed Tag into the Barrel Tag. When the Book is in use the Lace should be joined as above only. When not in use the lace ends may be tied in a bow knot.



Showing the manner of changing leaves. A leaf is shown withdrawn from one Divisible Lace before withdrawing it from the other.

PRICE LIST AND TERMS ON APPLICATION.

WILLIAM HUNT,
Manufacturing Academical Stationer,

18 Broad St. (opposite Balliol College), OXFORD.

Works: 11 ST. ALDATE'S.

The Times EDUCATIONAL SUPPLEMENT

A COMPLETE EDUCATIONAL
NEWSPAPER AND REVIEW

Published every Thursday

ORDER TO-DAY

Annual Subscription by Post:

10s. 10d. INLAND
13s. ABROAD

from

THE PUBLISHER, PRINTING HOUSE SQUARE,
LONDON, E.C. 4

Or from ALL NEWSAGENTS & BOOKSTALLS

PRICE 2d.

A free Specimen Copy will be sent to any Teacher who sends a post-card to the Publisher

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "How to become a Naval Officer" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 21 Old Bond Street, London, W. 1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W. 1.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 549.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR.

KINDERGARTEN TRAINING DEPARTMENT.

Recognized by Registration Council for preparation for HIGHER CERTIFICATE, PARTS I and II. Practising School, with Preparatory and Kindergarten Classes. For prospectus and particulars as to Scholarships, apply to the REGISTRAR.

BRADFORD MUNICIPAL TECHNICAL COLLEGE.

A PRINCIPAL is required. There are Departments of Chemistry, Dyeing, Mechanical Engineering, Electrical Engineering, Biology. Full Day Courses in all Departments. Salary according to ability and experience, but not less than £750. Further particulars may be obtained from the Director of Education, Town Hall, Bradford. 18th July, 1919. BY ORDER.

WANTED, a GENERAL SUPER- INTENDENT and SECRETARY for the

Birmingham Royal Institution for the Blind. The position involves the management of a large staff, residential Schools, accommodating 150 pupils, and an extensive manufacturing business.

Commencing salary £350 per annum. Forms of application may be obtained from—
W. H. THURMAN,
General Superintendent and Secretary,
Carpenter Road,
Edgbaston.
July 18th, 1919.

MATRON (September) for 12 or 14 boarders (ages 5-16) at large day Day School. Separate house on home-school lines. Experience essential. Assistance given. Write full particulars to—Miss BAILEY, Brantwood, Onslow Road, Richmond, Surrey.

ENGLISH GIRLS' COLLEGE,
BIDEFORD, N. DEVON. — Required in September, SCIENCE MISTRESS, with Chemistry and Botany. Apply—The HEAD MISTRESS.

Posts Vacant—continued.

ABROAD VACANCIES for
COMPANION-GOVERNESSES.—(Rio de Janeiro.) Cultured gentlewoman, as family. Two girls, 12, 14. Usual English, conversational French essential. Non-essential, Drawing, Painting, £120. Travel out with family beginning of September.—(Spain.) Two girls, 6½, 10. English, French, Music. £80-£100. Travel out with family in October. Both engagements highly recommended by HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881. No charge till suited. Stamp.

FRANCE.—USEFUL COMPANION-GOVERNESS required, speak English, &c. Two girls, 14, 19, attending Cours. 100fr. monthly.—(India.) Superior NURSERY GOVERNESS. Entire charge little girl 5. Travel out with family in the autumn.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881. No charge till suited. Stamp.

LADY HOUSEKEEPER, good social status and experience essential, required by widower. Evangelical religious sympathies appreciated. To take the head of Boarding House in connexion with one of the big Public Schools.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Many excellent vacancies for House Mistresses, Matrons, Nurse-Matrons. No booking fees. Established 1881.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C. 1.

WANTED, in September, Two resident MISTRESSES: (1) English, grammatical French, elementary German; (2) Kindergarten, with Drill and Games, or, Drill and Games Mistress, with knowledge of Kindergarten work. Experienced. Very light supervision duties. Full particulars, with salary desired.—PRINCIPAL, Woodridings School, Hatch End, Middlesex.

Posts Vacant—continued.

CANADA.—Wanted, for Girls' Boarding School, near Montreal, for September. Experienced MUSIC MISTRESS, A.R.C.M. preferred, for Piano and Singing Classes; Associated Board Examinations taken. Salary £110. Passage paid.

Also—Experienced GRADUATE for Mathematics, Latin, and Physics. Salary £100 resident. Passage paid.

Also—Experienced GRADUATE for History, Geography, Scripture, and Grammar. Salary £100 resident. Passage paid.

Apply with references to Miss C. STEADMAN, 6 St. Margaret's Terrace, St. Leonards-on-Sea, Sussex.

DERBYSHIRE EDUCATION COMMITTEE.

ILKESTON COUNTY SECONDARY SCHOOL.

Applications are invited from Graduates for the post of HEAD MASTER. Number in attendance about 280 boys and girls. Commencing salary not less than £500 (County scale under consideration). Application form, which should be returned to the undersigned by noon, August 11th, together with further particulars, may be obtained from:—

P. G. FEEK,
County Education Office, Director of Education,
Derby.

CITY OF SHEFFIELD EDUCATION COMMITTEE.

CENTRAL SECONDARY BOYS' SCHOOL.
Head Master: Mr. J. W. ILIFFE, M.A. (Cantab.).

Wanted, on September 16th, a MATHEMATICAL MASTER or MISTRESS with good Mathematical honours. Good teaching and discipline essential. The post is at present temporary. Commencing salary: for Master, £300 per annum; Mistress, £210 per annum.

Apply to the HEAD MASTER not later than 8th August.

H. S. NEWTON,
Secretary.

J.C., Chu Chin Chow, Sasina, T.T., H.R., Switzerland, Amga, Wynne, Umbria, D.I.M., Hibernia, V.U.H., Poisson d'Avril.
Class IV.—Rabies, Sperabo.
 "Garnag's" version arrived too late.

A Prize of Two Guineas is offered for the best notes on the following quotations. Competitors are invited to name the authors and, if possible, the works in which the passages occur. Additional credit will be given for the citation of parallels, exact or near (or contrasts), or originals from English or other literature. Some of the quotations have been chosen with this latter object in view :—

1. Though the mills of God grind slowly, yet they grind exceeding small ;
 Though with patience He stands waiting, with exactness grinds He all.
2. Laugh, and the world laughs with you ;
 Weep, and you weep alone.
3. To be properly enjoyed, a walking tour should be gone upon alone.
4. A robin redbreast in a cage
 Puts all heaven in a rage.
5. Sachez mourir de faim. C'est le premier des arts, parcequ'il donne la liberté de l'âme.
6. Poetry is the record of the best and happiest moments of the happiest and best minds.
7. Sole judge of truth, in endless error hurl'd ;
 The glory, jest, and riddle of the world.
8. It is no little part of wisdom to know how much of an evil must be endured.
9. The great task for democracy is to make every man in the land a nobleman.
10. He was the guiding star of a whole brave nation, and, when he died, the little children cried in the street.
11. I chose my wife as she chose her wedding gown—for qualities that would wear well.

12. Let wealth and commerce, laws and learning die,
 But leave us still our old nobility.
13. Überall weicht das Weib dem Manne; nur in dem Höchsten
 Weicht dem weiblichsten Weib immer der männlichste Mann.
14. Leisure is gone—gone where the spinning-wheels are gone, and the pack-horses, and the slow waggons, and the pedlars who brought bargains to the doors on sunny afternoons.
15. One smallest new fact obtained in the laboratory, one brick built into the temple of science, far outweighs any second-hand exposition which passes an idle hour, but can leave no useful result behind it.
16. To me
 He is all fault who hath no fault at all ;
 For who loves me must have a touch of earth.
17. One thing is pretty certain, and, in its way, comforting—that, however far the rage for revivalism may be pushed, nobody will ever want to revive the nineteenth century.
18. J'aime la majesté des souffrances humaines.
19. Whoso will be a man must be a nonconformist.
20. . . . a way that no sign showeth,
 Nor aught of its goal or of aught between ;
 A path for her flight which no fowl knoweth,
 Which the vulture's eye hath not seen.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on August 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

UNIVERSITY OF EDINBURGH.

Chancellor: The Right Hon. A. J. BALFOUR, M.P., D.C.L., LL.D., &c.

Rector: Admiral Sir DAVID BEATTY, G.C.B., G.C.V.O., D.S.O.

Principal and Vice-Chancellor: Sir J. ALFRED EWING, K.C.B., M.A., D.Sc., LL.D., F.R.S.

Secretary of the University: Professor Sir LUDOVIC J. GRANT, Bart., B.A., LL.D.

The **Winter Session** opens about the beginning of October and closes about the middle of March.

The **Summer Session** extends from about the middle of April to the end of June; in Law, from May to July.

The University embraces **Six Faculties**, viz.: **Arts, Science, Divinity, Law, Medicine and Surgery, and Music**, in all of which full instruction is given and Degrees are conferred. There are many different avenues to the **Degree of M.A.** (Honours and Ordinary), the graduation subjects embracing English, History, Modern Languages, Science, &c., besides Ancient Languages, Philosophy, Mathematics, &c. The wide scope of the Arts Curriculum permits of the combination of Arts, Science, Medical, or Special Studies; and it has been shown by successes of Edinburgh students in the Civil Service Examinations that it is possible to combine study for Degrees in Arts, Science, or Law with preparation for this and other Special Examinations. In addition to the Ordinary and Honours Degrees in Arts, the Higher Degrees of D.Lit., D.Phil., and D.Sc. are conferred. The Degree of **Bachelor of Education** is conferred on candidates who have attended Courses and passed Examinations in Psychology and in Education (Theoretical and Practical). A Diploma in Education is also conferred. A Degree of **Bachelor of Commerce** (B.Com.) has been recently instituted, and Special Courses in Industrial Law and other kindred subjects are being provided. Degrees in **Science** (B.Sc. and D.Sc.) may be taken in **Pure Science, Engineering, Public Health, and Veterinary Science**; and the Degree of B.Sc. in **Agriculture and Forestry**. Temporary Regulations have been framed for a **Diploma** and a **Certificate in Forestry** for the behoof of Officers and men who have served in the War. There are fully equipped Science Laboratories, and other necessary appliances, in all these Departments. The curriculum in **Divinity** affords a thorough training in Theological subjects, and the Degree of Bachelor of Divinity (B.D.) is conferred. The **Law** Faculty, besides furnishing the professional equipment necessary for those intending to practise in Scotland, contains Chairs in Jurisprudence and Public International Law, Constitutional Law and Constitutional History, Roman Law, and Political Economy, as also Lectureships in other important branches of Law, and is thus adapted for students preparing for the Civil Service Examinations, and for legal, political, and administrative appointments generally. The Degrees of Bachelor of Laws (LL.B.) and Bachelor of Law (B.L.) are conferred. The Faculty of **Medicine** has a full curriculum in Medicine and Surgery, and is equipped with very extensive Laboratories and all other necessary appliances for Practical Teaching. Ample facilities are afforded for Clinical Instruction at the Royal Infirmary, Maternity Hospital, Royal Hospital for Sick Children, Hospital for Infectious Diseases, and Royal Asylum for the Insane. Four Degrees in Medicine and Surgery are conferred by the University, viz.: Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.); and these Degrees qualify for practice throughout His Majesty's dominions, and for admission to the Naval, Military, and other Public Medical Services in the United Kingdom. A **Diploma in Tropical Medicine and Hygiene** (D.T.M. & H.) is conferred on Graduates in Medicine of the University, and specially approved Medical Practitioners who have resided abroad. There are also **Diplomas in Public Health** (D.P.H.) and in **Psychiatry** (Dipl. Psych.). In **Music** there is a full course of study for graduation, and the Degrees of Mus.B. and Mus.D. are conferred.

The University Staff consists of 44 Professors, over 90 Lecturers, and about 60 Assistants and Demonstrators. The annual amount available for Fellowships, Scholarships, Bursaries, Prizes, &c., is about £21,485. Facilities are afforded for research in scientific and other subjects.

Women may attend the Classes in all the Faculties, and they are admitted to graduation in Arts, Science, Law, Medicine, and Music.

Information regarding Matriculation, the Curricula of Study for Degrees, &c., the Examinations for Fellowships, Scholarships, &c., may be obtained from the **DEANS OF THE FACULTIES**, or from the **CLERK OF SENATUS**; and full details are given in the University Calendar, published by Mr. JAMES THIN, 55 South Bridge, Edinburgh—price 3s. 5d. by post. The Preliminary and Degree Examination papers in each of the Faculties are also published by Mr. JAMES THIN, viz.—Arts and Science Preliminary, 1s.; Arts Bursaries, 6d.; Medical Preliminary, 6d.; Degree papers: Arts, 1s.; Science, 1s.; Divinity, Law, Medicine, and Music, 6d. each.

1919.

By order of the Senatus,

L. J. GRANT Secretary.

THE JOINT AGENCY FOR WOMEN TEACHERS, OAKLEY HOUSE, 14, 16, and 18 BLOOMSBURY SQUARE, LONDON, W.C.1.

Teachers seeking Posts in Public and Private Schools and Training Colleges for September should apply at once to the Registrar. Governesses seeking Private Posts are also invited to enter their names on the books of the Agency. The following are selected from the posts vacant:—

SCIENCE AND MATHEMATICS.

Municipal Secondary School in S. Wales. Physics, some Chemistry, Botany. Salary scale: £170—£10—£320. JA 18620
Grammar School in Hertfordshire. Elementary Science and Mathematics. Good salary. JA 18641
County High School in Lancashire. Mathematics, subsidiary Science. Scale £160 to £230, rising to £350. JA 18646
Modern School in Beds. Chemistry and Botany or Physics. Degree and experience. Salary scale: £150 to £170—£10—£300. JA 18658
County School in Kent. General elementary Science. Desirable. Arithmetic, Book-keeping. Degree and experience. Salary scale: £130 to £180—£240 or £320. JA 18671
County School (Mixed) in North Wales. Mathematics. Salary £180 to £200 non-resident. JA 18674

HISTORY AND ENGLISH.

High School in Staffs. English. Salary from £150 to £200. JA 18567
County School in Cornwall. History, some other subject. Degree, training desirable. Salary from £160. JA 18578
Secondary School in Norfolk. English, Scripture. Degree and experience. Salary £150 to £210. JA 18587
High School in Lancashire. English Literature and History. Salary £160 to £230, rising to £350. JA 18647
Modern School in Beds. History. Salary scale: £150 to £170—£10—£300. JA 18657
High School in Warwickshire. History. Honours degree, Oxford or Cambridge preferred. Initial salary from £180. JA 18678
Public School in London, N.W. English. Honours degree and training. Salary £100—£10—£300. JA 18686

MODERN LANGUAGES.

High School in Surrey. French. Initial salary for Graduates from £150 and £45 War Bonus. JA 18549
Grammar School in Lancashire. French. Degree, training, and experience. Salary from £160. JA 18595
Grammar School (Mixed) in Leicestershire. French. Games. Minimum salary for Graduate, £150. JA 18598
County School (Mixed) in Merioneth. French. Salary up to £200. JA 18617
High School in Lancashire, in September 1919 or January 1920. French, advanced Course work, and organization of French teaching. Salary £200 to £250. JA 18656

FORM POSTS.

High School in Gloucestershire. Form II. Degree or Higher Local Certificate and training. Salary: Graduate £160; Non-Graduate, £130. JA 18532
High School in Lanes. One or two Third Form Mistresses. Training or experience. Salaries £150 to £180. JA 18572
Grammar School (Boys) in Lincs. Two Mistresses. Latin, French, Geography, Drawing, Games, Drill. Degrees. Salary scale: £105 to £255 resident. JA 18602 & 18603
County High School in Essex. English, elementary Mathematics, and Physics. Pass Degree or good High Local Certificate. Initial salary £140 to £180. JA 18648
Public School for Boys in Lanes. General subjects for boys up to 13. Latin desirable. Good salary. JA 18654
Public School for Girls in Lancashire. French, Latin, Mathematics. Pass degree. Church-woman. Salary £100 resident, rising to £150. JA 18665

KINDERGARTEN & LOWER SCHOOL.

High School on Yorkshire Coast. Junior Form. Arithmetic and French desirable. JA 18015
Grammar School for Boys in Lanes. Preparatory (ages 6 to 9) Drawing, Handwork, Singing. Salary from £120. JA 18496
County High School in Kent. Junior Form (ages 10 to 12), chiefly English and History. Initial salary £140. JA 18693
Grammar School (Mixed) in Herefordshire. Preparatory Form (ages 8 to 10). Salary scale: £110 to £130—£10—£180. JA 18636
High School in Warwickshire. Junior Form (children over 10). Arithmetic and Geography. JA 18664
High School in Yorkshire. Junior Form. General English subjects and Geography. Initial salary £140 to £160. Increments £10. JA 18668

PRIVATE SCHOOLS.

Private School in Northumberland. (1) Form V. Latin and Mathematics. (2) Lower III, Drawing. Salaries (1) £80 resident. (2) £50 to £60 resident. JA 18553 & 18554
Private School on S. Coast. French, German desirable. Good salary resident. JA 18593
Private School in Midlands. Two Mistresses for French, Latin, Geography, Mathematics, Botany, Physics, or Physiology. Salaries £80 to £90 resident. JA 18610
Private School in Surrey. Mathematics and Natural Science. Resident post. JA 18634
Private School in Lanes. Mathematics, Latin, Geography, Botany. Good salary resident. JA 18651
Private School in Surrey. Mathematics, Geography, some English. Salary £90 resident. JA 18688

Teachers who would like to apply for any of these posts should write at once to the Registrar for the Regulations of the Agency and enter their names without delay. **Reference to a post must be made by number.**

Registrar: Miss ALICE M. FOUNTAIN.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 551.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR BOYS, RAMSGATE. Required, in September, the following additional ASSISTANT MASTERS:—

- (1) To take Physics to University Scholarships standard.
- (2) Assistant French Master.
- (3) Assistant Science Master.
- (4) General Subjects Master.

For all four posts useful subsidiary subjects would be Nature Study, Vocal Music, and Manual Work. Ability to help in School Games a recommendation.

Initial salary, in each case, £140 to £220 according to qualifications, together with an allowance for approved experience and training up to £115, and rising to a maximum of not less than £250 and not more than £420, according to the Committee's scale.

Forms of application and further particulars may be obtained from Mr. C. W. LEGGERT, 5 Clarendon Gardens, Ramsgate, and should be returned to the HEAD MASTER, County School for Boys, Ramsgate, as soon as possible.

E. SALTER DAVIES,
Director of Education.

KENT EDUCATION COMMITTEE.

ERITH COUNTY SCHOOL.

Wanted, in September, the following ASSISTANT MASTERS or MISTRESSES, to teach:—

- (1) English.
- (2) French.
- (3) Junior English and French.

Initial salary, in each case, £160—£200 for men, and £140—180 for women, together with allowances for approved experience and training in accordance with the Committee's scale. Maximum: £250, £350, or £420 for men, and £220, £320, or £350 for women, according to qualifications and character of work.

Forms of application and further particulars may be obtained from Mr. A. T. FLUX, Technical Institute, Belvedere, and should be returned to the HEAD MASTER, Erith County School, Erith Road, Belvedere, as soon as possible. E. SALTER DAVIES,
15th July, 1919. Director of Education.

Posts Vacant—continued.

KENT EDUCATION COMMITTEE.

SPRINGHILL, BROMLEY.
HOSTEL FOR WOMEN STUDENTS ATTENDING GOLDSMITHS' COLLEGE.

Applications are invited for the following posts:—

- (1) PRINCIPAL, at a salary of £120 a year, with board and residence, plus any fees arising from supervision of School practice.
- (2) MATRON-HOUSEKEEPER, at a salary of £30 to £40 a year, with board and residence. Knowledge of Nursing desirable.

Applications should be sent at once to
E. SALTER DAVIES,
Director of Education.

Session House, Maidstone.
July, 1919.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR GIRLS, GRAVESEND.

Wanted, in September, the following ASSISTANT MISTRESSES for:—

- (1) Mathematics.
- (2) Botany.

An Honours Degree (1st or 2nd Class) in each case is essential, and one Mistress may be required to help the Head Mistress in the teaching of Religious Knowledge. If suitable candidates apply, one may be appointed Second Mistress.

(3) Also an ASSISTANT MISTRESS to teach History and English in the Third Forms (ages 10 to 12).

Initial salary, in each case, from £140 to £280, according to qualifications, experience, and character of work, rising in accordance with the County Scale. Application to be made immediately to Miss WILLS, County School for Girls, Gravesend.

E. SALTER DAVIES,
15th July, 1919. Director of Education.

ST. COLUMBA'S SCHOOL,
KILMACOLM, near Glasgow (The Girls' School Co., Ltd.).—Wanted, in September, CLASSICAL MISTRESS, with honours degree and experience or training. Initial salary, non-resident, £160 to £180, rising to £220. Apply to the HEAD MISTRESS, who will be in London for interviews in August.

Posts Vacant—continued.

UNIVERSITY OF LEEDS.

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE.

The University Council will shortly proceed to the appointment of an ASSISTANT LECTURER in French Language and Literature. Salary £250. Particulars may be obtained from THE SECRETARY, The University, Leeds, who will receive applications up to the 6th August.

PLYMOUTH EDUCATION AUTHORITY.

PHYSICAL TRAINING DEPARTMENT.

Applications are invited from qualified women for the position of SUPERINTENDENT OF PHYSICAL TRAINING (including Remedial work). Candidates must have been trained in a recognized Institution, and those with organizing experience will be preferred. Scale (subject to limitations in respect to service and training) £220, rising to £350. Further particulars can be obtained from the undersigned on receipt of stamped addressed foolscap envelope. Last day for applications August 16th, 1919.

E. CHANDLER COOK,
Education Offices,
Cobourg Street, Plymouth.
July 21st, 1919. Secretary.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen.
MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work. — M. GLENISTER, 3 Friern Park, N. Finchley, N. 12.

DERBY TRAINING COLLEGE.

Wanted, in September—

A Teacher of NEEDLEWORK and HANDWORK.

Other things being equal, preference will be given to a lady who is skilled in Kindergarten work and who has been trained at a Kindergarten Training College. The post is resident, board, rooms, and attendance being provided. The salary will begin at £120 to £160, according to training, qualifications, and experience, and will be raised from time to time according to the work done. Candidates should be Churchwomen. Applications with full particulars should be sent without delay to Rev. Canon BATER, Training College, Derby.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone:
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Wales.—Middle-class Boarding and Day School. Gross receipts past year £1,884. No. of Boarders 44, and 108 Day Pupils. Rent £120. Goodwill and School furniture £500.—No. 6,058.

Northants.—Successful Boarding and Day School. 154 Pupils, 47 of whom are Boarders. Prospectus terms about £50 for Boarders, and 2 to 4 guineas for Day Pupils. Any reasonable sum will be accepted for Goodwill, as the vendor must give up owing to death in family and other domestic reasons.—No. 6,052.

Yorks.—Flourishing Girls' Boarding and Day School. Gross receipts past year £2,940 9s. Net profits about £450. 40 Boarders, 42 Day Pupils. Rent of very fine house, standing in its own grounds, £150. Number of pupils greatly increasing. Present year promises to be very successful. Price for goodwill about £1,000 or close offer.—No. 6,048.

Lancs.—Preparatory School for Girls and Kindergarten. Boys up to 10 years of age received. Gross received past year £603. No. of pupils 72. Rent only £55. Goodwill £200. Furniture at Valuation.—No. 6,060.

Hants.—Partnership in Boarding and Day School. 120 Pupils, 16 of whom are Boarders. Gross receipts about £1,500. Very nice premises. Terms of Partnership to be arranged.—No. 6,050.

Hants (Seaside).—Partnership in flourishing Boarding and Day School for Girls. Vendor wishes to retire after 20 years, having acquired a competency. Gross receipts past year £3,725 15s. Net profit about £600. There is a waiting list for Boarders for next term. Price for half share of Goodwill £500. Furniture at valuation.—No. 6,044.

Yorks.—Preparatory School for Boys. Established 35 years. Gross receipts past year £657. Net profit past year £200. Number of pupils 44, paying 3 to 5 guineas per term, without extras. Rent of good house with garden and play ground, only £60. Majority of boys are prepared for Public Schools. Price for goodwill £400.—No. 6,053.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past year £369. 15 boarders, 35 day pupils. Rent of

fine large detached house, built for a school, and standing in its own grounds, £30. The low sum of £300 will be accepted for Goodwill. Furniture at valuation.—No. 6,041.

Somerset.—For disposal, owing to vendor having lost her eyesight, good class Day School for Girls. Conducted by present Principal 30 years. Gross receipts past year £900. Number of pupils, 30. Rent of large, well-situated house, with accommodation for boarders, £110. Price for goodwill, school, and household furniture 500 guineas, or near offer.—No. 6,040.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 6,024.

Kent.—Partnership in Girls' and Boys' Day School. Established and conducted by vendor 12 years. Gross receipts past year £550. Vendor desires a lady, if possible, who could take the Junior Music and Drill. Price for half share to be arranged.—No. 6,014.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 553.

HANTS COUNTY COUNCIL

EDUCATION COMMITTEE.

BASINGSTOKE DISTRICT.

Wanted, a TEACHER, qualified to teach Cookery, Laundrywork, and Housewifery for Elementary and Evening Schools, to commence work as soon as possible. Salary according to scale for certificated class teachers. Candidates will be required to travel, and should be able to ride a bicycle. A form of application, which should be returned at once, and conditions of appointment, will be sent on receipt of stamped addressed envelope.

D. T. COWAN,
The Castle, Winchester. Director of Education.
9th July, 1919.

HANTS COUNTY COUNCIL

EDUCATION COMMITTEE.

WINCHESTER COUNTY SCHOOL FOR GIRLS.

Wanted, next September, SCIENCE MISTRESS. Botany, elementary Chemistry, and Physics, able to assist with School Games. Salary to graduate £150, and allowance for previous experience under the scale. Application forms on receipt of stamped addressed foolscap envelope, to be returned at once to

D. T. COWAN,
The Castle, Winchester. Director of Education.
16th July, 1919.

CHANNING HOUSE SCHOOL,
HIGHGATE, N.6.—Wanted, in September, Resident MISTRESS (Graduate) for Physics and Mathematics up to London Matriculation standard. Salary £80 and laundry. Apply to the HEAD MISTRESS.

THE KERRI SCHOOL,
REIGATE.—Wanted, for September, a resident MISTRESS to teach Mathematics and some other subjects. Salary £90. Apply—Miss ROBERTS.

REQUIRED, September 26, one
day weekly in Private School, VISITING ART MISTRESS (R.D.S.).—HEAD MISTRESS, Wynaud House, Bowes Park, N. 22.

Posts Vacant—continued.

UNIVERSITY OF EDINBURGH.

DEPARTMENT OF LATIN.

An appointment is about to be made to the office of LECTURER and ASSISTANT in LATIN for the Session which begins on 14th October.

The duties will be to lecture to the Higher Division of first-year students for the Ordinary M.A. Degree, and to act as Additional Assistant in connexion with the Honours Classes. Opportunities will be afforded for research work. The appointment is for a year, but the holder will be eligible for reappointment. Commencing salary £300 per annum. Apply, stating qualifications for teaching and research, to Professor O. L. RICHMOND, 25 Cardiff Road, Llandaff, South Wales, by 15th August. L. J. GRANT,
17th July, 1919. Secretary.

EDUCATION DEPARTMENT

OF SOUTHERN RHODESIA.

MASTERS required in January, 1920, for three or more vacancies in Southern Rhodesia. General elementary form work. Special qualifications for commercial work. Woodwork or other subjects should be stated. Candidates should be under 30 years of age, and, if single, may be required to be resident in a boarding house with a deduction of £24 only per annum from salary. Men of liberal education and with war service looked for. Professional certificate desirable in the absence of a University Degree. Salary £300, rising annually by £15 to £450 per annum. Climate excellent, passage paid, and favourable conditions as regards leave, pension, marriage allowance, &c. Successful candidates required to leave England at end of December. Applications with testimonials and references to be addressed to—
SECRETARY.

British South Africa Company,
2 London Wall Buildings, E.C.2.

TYPEWRITING.—Authors' MSS., Examination papers, Letters, Circulars, general copying, duplicating, &c.—J. TRINNELL, 8 Moira Terrace, Cardiff.

CITY OF CARDIFF HIGH
SCHOOL FOR GIRLS.—ASSISTANT SCIENCE MISTRESS required. Chief subjects, Botany and Physics. Salary according to scale of the Education Committee. Apply—The Head MISTRESS.

Posts Vacant—continued.

COUNTY BOROUGH OF SUNDERLAND EDUCATION COMMITTEE.

TRAINING COLLEGE.

Applications are invited for the position of LECTURER (man) in Mathematics and Science (Physics and Chemistry), to begin duties (if possible) on or before 1st October next. Applicants must be graduates, with high qualifications in the required subjects, and preference will be given to those who have had special training and experience in teaching. Salary according to scale, £300, rising by annual increments of £15 to £450 per annum, non-resident.

Letters of application, together with copies of recent testimonials, and names of referees, must reach the undersigned not later than Saturday, 16th August next. Particulars of duties may be obtained on application to the PRINCIPAL at the College.

HERBERT REED,

Education Office, Chief Education Officer,
15 John Street, Sunderland.
16th July, 1919.

SUNDERLAND EDUCATION COMMITTEE.

Applications are invited for the position of ORGANIZER OF PHYSICAL TRAINING (man) for boys in Elementary Schools, at a salary of £350 per annum.

The person appointed will be required to give the whole of his time to the duties of the office. He will also be required to give lectures and demonstrations to teachers on Physical Education, and to carry out such other duties as may be entrusted to him.

Application forms—together with particulars of the duties—may be obtained from the undersigned, to whom they must be returned not later than Saturday, the 9th August next.

Canvassing will be a disqualification.

HERBERT REED,

Education Offices, Chief Education Officer,
15 John Street, Sunderland.
11th July, 1919.

BANGOR COUNTY SCHOOL
FOR GIRLS.—Wanted, a CLASSICAL MISTRESS for the Autumn term. Training or experience essential. Honours degree desirable. Salary according to qualifications; minimum £150. Apply—HEAD MISTRESS, County High School for Girls, Bangor.

Messrs. GRIFFITHS, POWELL & SMITH,

Telegraphic Address :
"SCHOLASQUE, LONDON."

Educational and School Transfer Agents,
(Established 1833),

Telephone :
GERRARD 7021.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at 34 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

TO ASSISTANT MISTRESSES. AUTUMN TERM VACANCIES.

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

ENGLISH, GENERAL FORM AND OTHER VACANCIES.

Senior Assistant Mistress for good English and English History. Salary £120 board and residence (Somerset.)—No. 952.

English Mistress for good English subjects and also able to take Latin. Public School. Initial salary not less than £150 according to qualifications, &c. (Lancs.)—No. 702.

Two Assistant Mistresses holding Degrees if possible. One should take some Classics and the other some Mathematics. Salary in each case up to £130 with board and residence according to qualifications, &c. (Kentish Coast.)—No. 682.

Australia.—Governess required in high-class family, 4 children, ages 11, 7, and 6 respectively. The family is now in England. Salary £120 resident and passage.—No. 916.

Two Assistant Mistresses for general Form subjects. Salary in each case £150 to £170 non-resident. (Hants.)—No. 769.

Assistant Mistress for good English, History, Latin, and elementary Mathematics. High-class Boarding School near London. Salary £100 or more, with board and residence.—No. 951.

Assistant Mistress for French and English. Science a recommendation. Salary £110 with board and res. (Derbyshire.)—No. 950.

Assistant Mistress for Junior English and History. French or Geography desirable. Commencing salary £140 to £160 non-resident.—(Yorks.)—No. 907.

Senior Mistress for all subjects up to Matriculation standard. Day School. Salary £100 resident, or £130 non-resident. (Near London.)—No. 961.

English Mistress for Form II. General subjects with some Nature Study if possible. High School. Salary £130 non-resident. (Wilts.)—No. 947.

Assistant Mistress for good English, History, and, if possible, some Latin. Games. First-class School. Salary about £100 with board and residence. (Herts.)—No. 871.

Assistant Mistress with good qualifications, able to teach Mathematics and Latin. Good School. Salary £100 upwards with board and residence. (Kent.)—No. 833.

Senior Mistress for general subjects up to Matriculation standard. Should have good qualifications and have had experience. Salary £100 board and residence. (Near London.)—No. 785.

Assistant Mistress for English, French, Latin, and History to the Higher Forms. Small Mixed School. Salary £130 non-resident. (Wales.)—No. 790.

Junior Mistress for Geography and Needlework chiefly. Co-educational School. Commencing salary £140 to £150 non-resident. (S. Devon.)—No. 768.

Assistant Mistress for Mathematics and Latin with some French and general work. Salary £80 with board and residence. (Ireland.)—No. 881.

A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses. 150 posts for Junior Mistresses asking salaries of from £30 to £50 resident.

50 STUDENT-GOVERNESSES also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of Suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Mistresses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 554 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

Assistant Mistress for Mathematics and Latin. One accustomed to Boarding School routine. Salary £100 with board and residence. (Sussex, seaside.)—No. 862.

SCIENCE AND MATHEMATICAL VACANCIES.

Mistress for good Chemistry and Mathematics. Important Public School. Initial salary, not less than £180 non-resident. (Lancs.)—No. 675.

Mistress for Chemistry and Physics. Degree or equivalent looked for. Training or experience. Public School. Initial salary £140 to £240, according to qualifications and experience.—No. 937.

Mathematical Mistress with Degree or higher local honrs. Certificated. Churchwoman. Salary £130 with board and residence. (Devon.)—No. 944.

Mistress for Botany, Elementary Chemistry, and Mathematics. High School. Salary £125 with board and residence. (London.)—No. 858.

Mistress for Mathematics, or Botany, and Nature Study. First-class School. Salary £120 with board and residence. (Herts, near London.)—No. 824.

Mistress for good Botany, Physics, Chemistry, and some junior Mathematics. Salary £120 with board and residence. (Sussex, seaside.)—No. 919.

Mathematical Mistress for Boys' School. Should have good qualifications. Salary £100 with board and res. (N. Devon.)—No. 870.

MODERN LANGUAGE VACANCIES.

Assistant Mistress for good French. Should hold degree or equivalent certificates. Commencing salary £200. County School.—No. 892.

Senior Modern Language Mistress for County School near London. Commencing salary £160.—No. 938.

Assistant Mistress for good French. Drill a recommendation. Salary about £150.—No. 908.

Assistant Mistress for French and German. Other subjects a recommendation. Important Foundation School. Commencing salary £150.—No. 676.

Assistant Mistress for French and German. Secondary School. Commencing salary £160. (Yorks.)—No. 918.

MUSIC VACANCIES.

Violin Mistress with ability to manage a small Orchestra. Junior Pianoforte. Salary £90 with board and res. (Somerset.)—No. 811.

Senior Music Mistress for Pianoforte, Harmony, and Class Singing. Experienced in preparing pupils for Examinations. Salary £80 with board and res. (Derbyshire.)—No. 945.

Mistress for Piano, Theory, and Class Singing. Good class School. Salary £80 with board and residence. (East Coast.)—No. 849.

Two Music Mistresses for Piano and Class Singing. High-class School. Salaries £70 to £80 with board and residence. (Sussex, Seaside.)—No. 828.

KINDERGARTEN AND LOWER FORM VACANCIES.

Fully certificated Mistress for School in Yorkshire. Salary £100 non-resident.—No. 819.

Certificated Mistress for School in Cornwall. Salary about £70 with board and residence.—No. 917.

Fully-qualified and Certificated Mistress for large Kindergarten. Salary about £70 with board and residence.—No. 710.

Lower Form Mistress. Froebel trained preferred. Needlework and Nature Study. Salary about £60 with board and residence. (Near London.)—No. 822.

ART VACANCIES.

Mistress for Ablett's Drawing. Able to prepare pupils for Exams. and take Needlework. Salary £100 non-resident (London.)—No. 962.

Mistress for good Drawing and Painting. First-class School. Salary £80 with board and residence. (Surrey.)—No. 949.

Mistress for good Art, and able also to take Junior English to little boys. Salary £60 with board and residence.—No. 894.

GYMNASTIC AND PHYSICAL CULTURE VACANCIES.

Games and Gymnastic Mistress. Dartford trained preferred. First-class School near London. Salary £120 with board and residence.—No. 824.

Games Mistress able to take good Gymnastics, some Music, and elementary English a recommendation. High-class School. Salary £75 with board and residence. (Sussex, Seaside.)—No. 956.

Mistress for Games and Drill. Able also to assist in lower form work. Salary £70 with board and residence. (Lanc.)—No. 761.

Gymnastic and Games Mistress for high-class School in Yorkshire. Salary £65 with board and residence.—No. 815.

DOMESTIC SCIENCE VACANCIES.

Mistress for Cookery, Laundry work and general Domestic subjects. Salary £150 non-resident.—No. 784.

Domestic Science Mistress for high-class School in Surrey. Salary from £70 upwards with board and residence.—No. 844.

Domestic Science Mistress for high-class School in Derbyshire. Salary £70 with board and residence.—No. 749.

Several Matrons and Matron House-keepers required for Girls' and Boys' Schools.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

DURHAM COUNTY COUNCIL.

HIGHER EDUCATION.

GIRLS' COUNTY SCHOOL, DURHAM.
(307 pupils.)

HEAD MISTRESS holding a University Degree, or its equivalent, required from January, 1920. Salary £350 by £25 to £500. Application forms will be furnished by the undersigned on receipt of stamped addressed foolscap envelope.

Completed applications (accompanied by 20 copies of testimonials) must be received by first post on Monday, 1st September, 1919.

Canvassing directly or indirectly will disqualify.

J. A. L. ROBSON,
County Secretary for Higher Education.
Shire Hall, Durham.
14th July, 1919.

CITY OF YORK EDUCATION COMMITTEE.

MUNICIPAL SECONDARY SCHOOL FOR GIRLS.

A **SENIOR HISTORY MISTRESS** is required. Advanced Course in Modern Studies recognized. Salary, minimum £210, maximum £400. Canvassing directly or indirectly will disqualify candidates. A form of application will be forwarded on receipt of a stamped addressed foolscap envelope, and must be returned on or before 5th September, 1919, to

J. H. MASON,
Secretary.
Education Offices, York.

GLAMORGAN TRAINING COLLEGE, BARRY.

Wanted, a resident **WOMAN LECTURER IN MUSIC.**

Candidates should hold a Diploma in Music, should be prepared to teach theory of Music and Singing (in both notations), to prepare students on the lines of the Music syllabus of the Government Certificate Examination, and to undertake the control of the general musical life of the College. Knowledge of Welsh songs essential. Candidates should also be willing to teach Needlework or some other form of Handicraft.

The appointment will date from January 1920.

Salary commencing at £130-180 according to qualification and experience, rising by annual increments of £15 (Fifteen Pounds) to £250 (Two hundred and fifty Pounds).

Applications should be received by the Principal, T. C. BARRY, Glamorgan, by September 15th.

YOUNG ENGLISH MISTRESS

(Gentlewoman) required in small high-class London school, to teach Geometry, Algebra, Arithmetic, Latin and Junior English. Suitable post for one still studying for higher degree. State salary required. Also **STUDENT-MISTRESS** required to give some help with junior pupils. Address—No. 10,865.*

WANTED, in September, in good Boarding School for Girls in West of England, two **ASSISTANT MISTRESSES** to teach between them Mathematics, History, Geography, Latin, and a little Junior English. Must be Churchwoman. Address—No. 10,867.*

ASSISTANT MISTRESS required, Kindergarten trained preferred, for Boys' Preparatory School recognized by Middlesex Education Committee. Firm disciplinarian essential. Able to teach elementary French and Music. Give full particulars; enclose photograph. Address—No. 10,870.*

RESIDENT DANCING, SWEDISH GYMNASIC AND GAMES MISTRESS required in September. Previous experience desirable, but not essential.—Miss PARKER GRAY, Abbotsford, Broadstairs.

REQUIRED, in September, ASSISTANT MISTRESS for Form II. Resident. Usual English subjects. Games and Drill a recommendation.—HEAD MISTRESS, Girls' Grammar School, Ilminster.

Posts Vacant—continued.

BURNLEY EDUCATION COMMITTEE.

BOYS' GRAMMAR SCHOOL.
Head Master: H. L. JOSELAND, M.A.

The Governors invite applications for the following posts:—

- (1) **SENIOR ENGLISH MASTER** with subsidiary Geography or Art. Salary range from £215 to £350. Commencing salary will be fixed according to qualifications and experience.
- (2) **FORM MASTER**, chief subject History with some English. Salary as above if Senior Master; if Junior, commencing salary not less than £165 and rising to maximum of £350.
- (3) A **MASTER** mainly for Physical Training, but could offer in addition Geography or Art. Salary as in number 2 above.
- (4) A **JUNIOR FORM MASTER**, commencing salary according to qualifications and experience, but not less than £165.

Form of Application will be forwarded on receipt of a stamped addressed foolscap envelope. Applications should be returned as soon as possible, and not later than the 9th August, 1919, to the **DIRECTOR OF EDUCATION**, Education Office, Burnley.

A. R. PICKLES,
Director.

BURNLEY EDUCATION COMMITTEE.

HIGH SCHOOL FOR GIRLS.
Head Mistress: Miss L. J. Wood, M.A.

The Committee invite applications for the following post:—

SENIOR ENGLISH MISTRESS, with subsidiary French or Class Sinking. Salary ranges from £195 to £300. Commencing salary will be fixed according to qualifications and experience.

Form of application will be forwarded on receipt of a stamped addressed foolscap envelope. Applications should be returned as soon as possible, and not later than the 9th August, 1919, to the **DIRECTOR OF EDUCATION**, Education Office, Burnley.

A. R. PICKLES,
Director of Education.

THE DUCHESS' SCHOOL,

ALNWICK (under the Northumberland Education Committee).—**ASSISTANT MISTRESS** required for September 17th. Chief subject Mathematics. Needlework or 1st year Latin subsidiary. Netball an advantage. Salary according to County scale, with train fare each term for those whose homes are distant from the School. The starting point cannot exceed £190. Apply immediately to **HEAD MISTRESS**.

THE Trustees of The Lord Wandsworth Institution require the services of a

LADY SUPERINTENDENT to take charge of their Orphanage at Gosden House, Bramley, Surrey, a Preparatory School for about forty young children of both sexes. The Lady Superintendent will be responsible for the administration and internal discipline of the establishment, and for all matters connected with the welfare and upbringing of the children other than their education. Commencing salary £200 per annum, with board and residence.

Written applications only, accompanied by copies of not more than three testimonials or references, should be addressed to **THE SECRETARY**, Lord Wandsworth Institution, 71 Piccadilly, W.1, not later than August 11th, 1919.

LIVERPOOL.

BELVEDERE SCHOOL (G.P.D.S.T.).

THIRD FORM MISTRESS wanted in September. Apply immediately to the **HEAD MISTRESS**.

LIVERPOOL.

BELVEDERE SCHOOL (G.P.D.S.T.).

SENIOR FRENCH MISTRESS wanted in September (or temporary appointment might be made till January). Experience and good Honours degree or equivalent essential. Work in advanced course and organization of subject throughout School. Initial salary from £200 to £250, non-resident, according to qualifications.

Applications for September or January to be sent, with copies of testimonials, to the **HEAD MISTRESS** immediately.

REQUIRED, September, for large Girls' Boarding School, Eastbourne, **RESIDENT MISTRESS** for Geography and Botany. Good qualifications and experience essential. Responsible post, salary from £100. Apply—Miss DEAKIN, 26 Jesus Lane, Cambridge.

Posts Vacant—continued.

LINDSEY COUNTY COUNCIL EDUCATION COMMITTEE.

BRIGG HIGH SCHOOL FOR GIRLS.
Head Mistress: Miss M. L. LARDELLI.

Applications are invited for the following posts at the above named School:—

- (1) **KINDERGARTEN MISTRESS**. (N.F.U. Certificate).
- (2) **FORM MISTRESS**. Teach French on direct method. An English woman is required.
- (3) **FORM MISTRESS** to teach Mathematics.
- (4) **FORM MISTRESS** to teach English—temporary for one term.

The above Mistresses will be required to take between them as subsidiary subjects: Geography, Latin, Botany, Needlework, Drill, and Dancing, and to help with Games.

Salary scale: Non-graduate, minimum £130, maximum £220; graduate, minimum £150, maximum £300. Annual increments £10. Commencing salary according to experience. Applications to be made to Miss M. L. LARDELLI, 17 Battie Road, Tonbridge, Kent.

WITH A VIEW TO PARTNERSHIP.

LADY GRADUATE required, in September, middle-class Private School, Kent, as Mistress of Form IV. Few boarders; 60 on books.

Address—No. 10,875.*

SOUTHPORT COUNTY BOROUGH.

SECONDARY SCHOOL FOR GIRLS.
Head Mistress: Miss F. A. ATHYA, M.A.

MATHEMATICAL MISTRESS wanted. Degree or equivalent, and good experience required. Salary £130 to £230, plus War Bonus of £52 per annum pending revision of scale.

Form of application may be obtained from the **EDUCATION OFFICE**, 2 Church Street, Southport, and should be returned to the undersigned without delay.
WM. ALLANACH,
Director of Education.

WANTED, in September.— GRADUATE, young or middle aged. Also **PREPARATORY FORM MISTRESS**, knowledge of Kindergarten. Both resident; moderate salaries. Few boarders. Address—No. 10,876.*

LUDLOW HIGH SCHOOL FOR

GIRLS.—ASSISTANT MISTRESS required in September. Good Arithmetic and Drawing essential, and some other subject or subjects. Salary according to County Scale. Apply at once to the **HEAD MISTRESS**.

REQUIRED.—MUSIC MIS-

RESS (Associated Board Examinations).—**MUSIC STUDENT**, able to take some very elementary Latin, Algebra, or Geometry.—**GENTLE-WOMAN** for domestic work, trained or experienced.—**LAWN PREPARATORY SCHOOL**, St. Austell, Cornwall.

WANTED, in September, an **ASSISTANT MISTRESS** to teach Geography and Botany up to Senior Cambridge standard, and some elementary Science. Drawing and Games an advantage. Res. £50. Apply—Miss BAMFORD, Oakfield School, Arnsdale, Westmorland.

HAINES HILL SCHOOL,

TAUNTON.—Wanted, September, **SENIOR MATHEMATICAL MISTRESS**. Botany subsidiary. Degree and Churchwoman essential. Good experience desirable. Initial salary £100 to £130 resident, according to qualifications. Apply—**PRINCIPAL**.

LAWNSIDE, GT. MALVERN.—

Required, in September, skilled **JUNIOR FORM MISTRESS**. Usual subjects and Botany, good Games if possible. Residential. Salary according to qualifications and experience. Apply—**PRINCIPAL**.

Advertisements of Teachers requiring Posts will be found on pages 508, 510, 547, 549.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for Mistresses for September Term, 1919, for which MESSRS.

GABBITAS, THRING & CO. have been asked to put forward candidates:—

General Form Mistresses.

MISTRESS required, to teach English and History in Girls' Boarding School in North of England. Candidate looked for with Degree and experience. Salary about £100 in addition to board and res.—No. 14,180.

ASSISTANT MISTRESS in important Girls' Boarding School in Surrey, to teach good English and History, with some Geography, if possible. Graduate looked for with previous experience. Salary up to £150 res.—No. 14,099.

SENIOR ENGLISH MISTRESS in important Girls' Boarding School in the South-west of England. Graduate looked for with previous experience. Post res. and salary £100.—No. 14,046.

MISTRESS, to teach either English or good Latin in important Girls' Boarding School in Kent. Salary up to £120 res.—No. 13,848.

ASSISTANT MISTRESS, to teach good English Language and Literature, with some Arithmetic and Scripture (Botany would be a recommendation) in important Girls' Boarding School in Surrey. Salary up to £120 res., according to qualifications.—No. 13,919.

SENIOR ENGLISH MISTRESS in small Girls' Private School in North Wales. Graduate looked for with previous experience. Salary about £100 res.—No. 13,872.

SENIOR ENGLISH MISTRESS in important Dual School in South-west of England. Graduate looked for with previous experience. Salary not less than £160 non-res.—No. 14,192.

ASSISTANT MISTRESS in important Girls' Boarding School in South of England, to teach good English, Literature, and Composition. Candidates should state any subsidiary subjects they can offer. Previous experience essential. Salary not less than £90 res.—No. 13,922.

Mathematical and Science Mistresses.

SCIENCE MISTRESS required in important Girls' Boarding School on South Coast, to teach Botany, Physics, Chemistry, with, if possible, some Mathematics. Graduate looked for with previous experience. Salary about £120 res., according to qualifications.—No. 14,166.

ASSISTANT MISTRESS, to teach good Mathematics, with some Science, if possible, in high-class Girls' Finishing School near London. Candidate looked for with a Degree and previous experience. Salary £120 res.—No. 14,101.

SENIOR SCIENCE MISTRESS in important Girls' Boarding School, in South-west of England, to teach Botany, Chemistry, and Physics. Post could be held either as a res. or non-res. one, and in each case a good salary will be given according to qualifications.—No. 14,045.

TWO MISTRESSES in important Girls' School in Surrey, to offer Mathematics with good modern Geography. Graduates looked for with some experience. Salaries offered not less than £90 resident.—No. 14,019.

ASSISTANT MISTRESS, to teach good modern Geography and Botany, in important Girls' Boarding School within easy reach of London. Candidate looked for who has had some experience, and Degree if possible. Salary not less than £100 res.—No. 13,934.

ASSISTANT MISTRESS, to teach good Mathematics, with Botany, in important Girls' Boarding School in South-west of England. Graduate looked for with some experience. Salary up to £130 res.—No. 13,842.

SCIENCE MISTRESS in very important Girls' Boarding School in North of England, to offer, if possible, some Mathematics. Graduate looked for with previous experience. Salary offered not less than £90.—No. 13,748.

Modern Language Mistresses.

FRENCH MISTRESS required in September in high-class Girls' Boarding School in North of England. Candidate looked for who has acquired the language abroad and has some Diploma. Salary not less than £100 res.—No. 13,632.

SENIOR FRENCH MISTRESS for very important Girls' School in North of England. Graduate looked for with some experience. Salary not less than £200 non-res.—No. 14,143.

MODERN LANGUAGE MISTRESS in important Girls' Boarding School near London, to teach French and German, with English, if possible. Salary not less than £100 res.—No. 13,935.

MODERN LANGUAGE MISTRESS in first-class Girls' Boarding School on South Coast, to teach French with German, if possible. Candidate looked for who has had some previous experience. Salary not less than £100 res.—No. 14,077.

Classical Mistresses.

CLASSICAL MISTRESS required in important Girls' Boarding School, in North of England, to offer both Latin and Greek. Candidate should also state subsidiary subjects. Graduate is looked for with some experience. Salary not less than £100 res.—No. 14,161.

CLASSICAL MISTRESS, in important Girls' Boarding School on South Coast, to offer English as subsidiary subject. Candidate looked for who is a Graduate with some experience. Salary not less than £100 res.—No. 13,329.

CLASSICAL MISTRESS, in important Girls' School in North of England. Graduate looked for with some experience. Salary not less than £150 non-res.—No. 13,352.

General Junior Form Mistresses.

JUNIOR FORM MISTRESS required for School in London, to teach Botany and Handwork. Candidate looked for with Degree or equivalent. Salary about £140 non-res.—No. 14,168.

JUNIOR FORM MISTRESS in important Girls' High School in North of England, to offer good general subjects. Candidate looked for who has had some experience. Salary from £140 to £160 non-res., rising according to qualifications.—No. 14,158.

TWO MISTRESSES, chiefly for Form 3, in important Girls' School in North of England. Candidates looked for who have had some training and experience. Salary from £130 to £150 non-res.—No. 14,038.

ASSISTANT MISTRESS in important Boys' Preparatory School in North of England, to teach General Elementary Subjects, including Mathematics and Latin. Salary £120 res., according to qualifications.—No. 14,142.

ASSISTANT MISTRESS required in Boys' Preparatory School in North Wales, to teach General Subjects, including French and elementary Latin. Salary about £100 res.—No. 13,780.

ASSISTANT MISTRESS for Boys' School on the East Coast to take charge of a Preparatory Class. Candidate looked for who has had some previous experience in Boys' Schools. Post res. and good salary according to qualifications.

Games Mistresses.

ASSISTANT MISTRESS required in important Girls' Boarding School to teach good Games, Gymnastics, and Dancing. Candidate looked for who is fully qualified with some experience. Post res. and salary not less than about £100.—No. 13,837.

ASSISTANT MISTRESS to teach Games, Gymnastics, and Dancing, in Girls' School on South Coast. Salary about £70 according to qualifications, in addition to board and res.—No. 12,678.

ASSISTANT MISTRESS, to teach good Games, Drill, and Dancing, in important Girls' Boarding School in Surrey. Post res. and good salary offered, according to qualifications.—No. 13,473.

ASSISTANT MISTRESS, to teach good Gymnastics, Dancing (Knowledge of Eurhythmics would be a recommendation) in important Girls' Boarding School in North of England. Salary not less than £70 res.—No. 13,851.

Messrs. GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Truman & Knightley

SCHOLASTIC AGENTS LTD

ASSISTANT MISTRESSES' DEPARTMENT.

Ladies with University or other qualifications and teachers of special subjects seeking appointments in Public and Private Schools should register with **Messrs. TRUMAN & KNIGHTLEY**, who will be pleased to give their requirements careful and personal attention.

There is no registration fee, and the charges made to those for whom an appointment is secured are very reasonable.

The following are selected from a large number of **Autumn Term Vacancies**, for which **Messrs. TRUMAN & KNIGHTLEY** have been instructed to put forward candidates:—

SEPTEMBER VACANCIES FOR UNIVERSITY WOMEN.

ENGLISH MISTRESSES.

- Principal** for Training College for Women in Egypt under Government. Honours degree or equivalent, with experience of administration and organization. Training College experience a recommendation. Non-res. about £615 to £820 per annum and furnished quarters.—A 72467.
- Senior Form Mistress** for Mixed Secondary School on South Coast. Good degree and experience essential. Non-res. up to £220, increasing to £320.—A 69911.
- Senior English Mistress** for Public High School in the Midlands, to take Advanced Course in Modern Studies. Good qualifications and experience essential. Non-res. from £170 increasing to £350.—A 73142.
- Mistress of Method** for Training College in India, to prepare students for Bombay University Teachers' Diploma. Degree in Mental and Moral Science desired. Churchwoman. Res. £160 and passage.—A 75520.
- Head English Mistress** for large high-class Boarding School on South Coast, to teach History, Literature, and Scripture. Degree or equivalent and experience essential. Res. about £120.—A 74013.
- Form Mistress** for Girls' Public Day School in London, to teach English, Arithmetic, and Games. Degree and experience or training required. Non-res. £180.—A 74924.
- History Mistress** for Girls' Public School in Canada. Good qualifications essential. Non-res. £200, increasing to £220 with passage.—A 76332.
- Resident House Tutor** for Public High School in Scotland, with morning teaching in English and Scripture. Good all-round experience and powers of organization essential. Initial salary £100 res.—A 76198.
- Senior English Mistress** for high-class Boarding School in Sussex to teach Geography and Mathematics, or History and English, to act as Head of staff and help with time tables. Good experience essential. Res. £150.—A 76150.
- English Mistress** for small high-class Private School in Surrey to teach English, good elementary Latin, and some elementary Mathematics. Res. £100.—A 71766.
- History Mistress** for High School in Eastern Counties to teach up to Inter. Arts standard. Honours degree or equivalent. Non-res. £150 upwards, according to qualifications, training, and experience.—A 75984.
- Senior English Mistress** for Public Boarding School in the West of England to teach English throughout the school to scholarship standard. Good experience essential. Res. £120.—A 76362.
- Senior Form Mistress** for high-class Private School in North of England to organize the work and manage that of the Upper School. Degree and organizing experience essential. Non-res. £150 to £200.—C 75674.
- English Mistress** for high-class Private School in London suburb to teach English, Scripture, and History to Matriculation standard. Boarding School experience essential. Res. £80 to £100 increasing.—A 76121.

- History Mistress** for Girls' Public Day School in West of England. Honours degree preferred. Non-res. about £150.—A 76304.
- History Mistress** for High School in the Midlands to teach History with Scripture or some other subsidiary subject. Honours degree essential. Non-res. from £180, according to qualifications and experience.—A 76214.

MODERN LANGUAGE MISTRESSES.

- Modern Language Mistress** for Girls' High School in the North to teach French for Advanced Course work. Honours degree and experience essential. Non-res. £220, rising.—C 72172.
- French Mistress** for Public Boarding School in London. Knowledge of Phonetics. Res. from £100.—C 73057.
- Senior French Mistress** in September or January, to take Advanced Course in Public Day School in the North-west of England. Hons. degree or equivalent and experience essential. Non-res. £200 to £250.—C 76119.
- Lecturer** in French and English to Honours Intermediate standard for Training College in the South-west of England. Hons. degree or equivalent. Churchwoman essential. Res. £120 to £180.—C 75886.
- Mistress** to teach German and some French and English subjects in high-class Boarding School on South-east Coast. Res. £80 to £100.—C 75647.

CLASSICAL MISTRESSES.

- Classical Mistress** for Girls' Grammar School in Midlands. Subsidiary work to be arranged. Non-resident according to scale. £150 to £240 for graduate, rising by £10 yearly to £300.—CD 74273.
- Assistant Mistress** for important Public School in Scotland, with honours degree, to teach Latin throughout the school. Non-res. £160 to £220.—C 72958.
- Classical Mistress** for high-class Private School on the South Coast, with subsidiary English. Res. £90 or more.—C 74472.
- Classical Mistress** in January for Endowed High School in South Africa. Latin and Classical History, with either French or Botany as subsidiary subject. Res. £110, increasing to £130 and passage.—C 74760.
- Classical Mistress** for County Secondary School in South Wales to teach Latin, some Greek and Greek History. Degree essential. Non-res. £150 to £170.—C 76330.
- Mistress** to teach Latin in Boys' Preparatory School in London Suburb. Res. £80 to £100.—C 76329.

MATHEMATICAL, SCIENCE, and GEOGRAPHY MISTRESSES.

- Mathematical Mistress** for Church Public Boarding School for Girls in Midlands to teach to Scholarship standard. Degree essential. Churchwoman preferred. Res. from £90, according to experience and qualifications, rising to £270.—C 69677.

- Science Mistress** for high-class Church Boarding School on North-east Coast to teach Chemistry, Botany, Nature Study. Arithmetic and Mathematics a recommendation. Science Graduate looked for, with experience if possible. Churchwoman essential. Resident from £100, non-resident from £160.—C 73787.
- Assistant Mistress** for high-class Private Boarding and Day School in Midlands to teach Geography and subsidiary work which can be arranged. Good qualifications essential, and experience a recommendation. Res. about £100.—A 65386.
- Geography Mistress** for Public Church of England Boarding School in Yorkshire to teach Geography and some Mathematics. Res. post, with good salary.—C 74093.
- Senior Botany Mistress** for County Secondary School in Home Counties, with elementary Physics and Chemistry. Honours degree desired. Non-res. from £170.—C 75511.
- Mathematical Mistress** for Public School in Canada, to take the top Mathematics. Res. £140 to £150 and passage.—C 75161.
- Mathematical Mistress** for large Public Day School in London, to organize the Mathematical teaching throughout the School. Honours degree. Non-res. post with good salary.—C 74920.
- Mathematical Lecturer** for Training College in the South of England. Good qualifications essential. Res. £100 to £130 or more.—C 76332.
- Mathematical Mistress** for County Secondary School near London. Hons. degree or equivalent. Non-res. up to £280, rising to £350.—C 72919.
- Geography Mistress** for Dual Secondary School in the North-west of England, to teach Geography with general Form work. Non-res. post with adequate salary according to scale.—A/D 76430.
- Mistress** to teach general elementary Science in County Secondary School in Home Counties. Degree or experience with Juniors desired. Non-res. £130 to £180, increasing to £320.—C 76176.
- Senior Science Mistress** for large Proprietary School in the Midlands to teach Botany, Chemistry, and Physics to Inter. Science standard. Can be res. or non-res. with good salary.—C 75824.
- Science Mistress**, September or January, for large Public Day School in London to teach advanced Botany and Zoology. Non-res. about £200.—C 75905.
- Science Mistress** for Public Secondary School in London to teach Chemistry, Physics, and Botany to Matriculation standard and elementary Mathematics. Non-res. post, salary according to L.C.C. Scale.—C 75777.
- Botany Mistress** for County Secondary School in South Wales. Degree or experience essential. Non-res. £210 plus allowance for experience, increasing to £360.—C 76428.
- Lady Gardener** for high-class Boarding School near London to teach Advanced Botany, Nature Study and help with practical gardening. Res. post with good salary.—C 76447.

CONTINUED ON NEXT PAGE.

TRUMAN & KNIGHTLEY, Ltd., ASSISTANT MISTRESSES' DEPARTMENT (continued).**SEPTEMBER VACANCIES FOR NON-UNIVERSITY WOMEN.**

There is a large demand for well-educated gentlewomen with Higher Local or other good certificates, interested in children and in teaching, for teaching appointments in good Private Schools and as House Mistresses in Public Schools, where the work is not excessive, the conditions pleasant, and the holidays are long. Salaries range from £50 to £120 or more per annum, with board and residence, according to qualifications and experience. There are also many vacancies for Student Teachers, Junior Mistresses, and House Governesses or Duty Mistresses at salaries from £30 to £60 or more per annum, with board and residence.

SEPTEMBER VACANCIES FOR TEACHERS OF SPECIAL SUBJECTS.**KINDERGARTEN MISTRESSES.**

Third Form Mistress for Girls' High School in the South-west of England, to take general subjects with children up to 11½. Higher N.F.U. Certificate for Lower Form work preferred. Non-res. £135 to £150, increasing to £220.—J 74086.

Two Assistant Mistresses, qualified for Kindergarten work, for Public Schools in Egypt. Non-res. £197, with rooms.—J 75109.

Preparatory Form Mistress for Public School in the Channel Islands for class of children from 5 to 7. Res. up to £80.—J 76386.

Junior English Mistress for first-class Boarding School near London, to take children from 10 to 14 years of age in Elementary English Subjects. Res. £70.—J 75531.

Mistress to take charge of Preparatory Department in high-class Boarding School on South Coast, able to teach English subjects to children between 7 and 12. Experience with young children and power of organization essential. Res. £80 to £90.—J 73814.

Second Form Mistress for London Day School to help in Kindergarten. Should be musical and able to teach Botany and Handwork to older girls. Non-res. £120, increasing.—J 76167.

Preparatory Form Mistress for large Proprietary Boarding School in the Midlands for Form IIIc, including Nature Study and elementary Mathematics. Res. post with good salary.—J 75826.

Mistress to start Preparatory Class in connexion with a Grammar School for Boys in the Home Counties. Good qualifications and experience essential. Res. £70, or non-res. £140.—J 76298.

Kindergarten Mistress for High School in the Eastern Counties. Non-res. £130, increasing to £220.—J 76336.

Kindergarten Mistress for high-class Boarding School on South Coast, with Drawing. Experience and Churchwoman essential. Res. up to £90.—J 76318.

ART MISTRESSES.

Art Mistress for Church of England Boarding School in Canada. Res. £80 to £100 and passage.—B 75035.

Art Mistress for high-class Boarding School in Surrey. Res. £60 to £80 or more.—B 76374.

Mistress to take entire charge of the Drawing and Brushwork in Preparatory Department of Boys' Public School in the Midlands and teach Elementary Form work to boys of about 10 years of age. Res. £75 plus private tuition to boys in College.—B 76373.

Art Mistress for County Secondary School in Home Counties, able to teach Handwork and some subsidiary subjects. Non-res. £130-£180, increasing according to scale.—B 74717.

MUSIC MISTRESSES.

Music Mistress for Public High School in Midlands, to teach Pianoforte, Harmony, and help with secretarial work. L.R.A.M. or equivalent and experience. Non-res. £120 to £150, increasing.—B 74401.

Mistress to teach Violin and Piano in Church of England Boarding School in Canada. Res. £80 to £100.—B 75034.

Singing Mistress for high-class Boarding School in Yorkshire. Some amount of Class Singing and some Piano, Elocution a recommendation. Res. £60 to £70 or more.—B 76914.

Music Mistress for Church of England Boarding School in Home Counties to teach Piano and Junior Violin. Good training and experience essential. Res. £110.—No. 76256.

Music Mistress for high-class Preparatory School for Boys on South Coast to teach Pianoforte and Class Singing. Good qualifications and experience essential. Res. £90 to £100.—B 75679.

Violin Mistress for an important Public School in Ireland. Able to help with Junior Pianoforte. Res. £80.—B 76225.

Head Music Mistress for large Day and Boarding School on North-west Coast to teach Pianoforte and be responsible for the whole Music department. Res. from £100.—B 75780.

Music Mistress for Preparatory School for Boys in Scotland to teach Pianoforte and Drawing. Good training essential. Res. £100.—B 76405.

GYMNASTIC AND GAMES MISTRESSES.

Drill Mistress for large Boarding School on South-East Coast. Swedish Drill, Remedial work, Games, and Swimming. Res. £70 to £100.—B 75636.

Drilling and Games Mistress for Public School in the Channel Islands. Non-res. £130 to £235.—B 76427.

Gymnastics and Games Mistress for Mixed County School in South-west of England, with Dancing and some help with elementary Form work. Non-res. £150 increasing to £220. B 75735.

Drilling and Games Mistress for Boys' Preparatory School in Surrey, to teach Swedish Drill, Dancing, Remedial Exercises, and some elementary English, Music, or French. Res. £80 to £90.—B 76197.

TECHNICAL MISTRESSES.

Needlework Mistress for Training Department of important High School in London. First-class Diplomas in Needlework and Dressmaking, and good experience essential. Non-res. £160-£170.—B 74754.

Domestic Science Mistress for Public School in Egypt, to teach Cookery, Laundry, and Housewifery. Non-res. £221 plus war bonus and furnished apartments.—B 75902.

Domestic Science Mistress for Public Boarding School near London, to teach Needlework, some Laundry work and Housewifery, and Cookery. Res. about £90.—B 71085.

Needlework Mistress for County Secondary School in Home Counties, with some Junior Form work. Non-res. £130 to £180, increasing to £320.—B 76196.

SEPTEMBER VACANCIES FOR NATIVE FRENCH TEACHERS.

French Mistress for important high-class Boarding School for Girls near London. Good diploma and experience essential. Res. from £100.—F 76305.

French Mistress for high-class private School in Devonshire, to teach French for Senior Oxford

Local standard. Italian a recommendation. Res. £70-£80 or more.—F 74767.

French Mistress for large Public School in Yorkshire, with good experience. Res. from £80.—F 74422.

Senior French Mistress in large Public School for Girls near London. Good qualifications and good English experience. To take charge of French throughout the School. Protestant preferred. Resident £75.—F 73598.

MATRONS' AND HOUSE-MISTRESSES' DEPARTMENT.

Messrs. TRUMAN & KNIGHTLEY have many vacancies in Public and Private Schools for Boys and Girls for experienced School Matrons, House Mistresses, and Housekeepers at salaries ranging from £50 to £100 per annum, with board and residence.

ASSISTANT MASTERS' DEPARTMENT.

This department is under the personal direction of Mr. HEARD (of Westminster and Trinity College, Cambridge), who is in personal touch with the Head Masters of many of the leading Public, Secondary, and Preparatory Schools in the British Isles. There are already a large number of good appointments on the books for September.

No Charge for Registration.

Reduced Terms of Commission.

Offices :

158-162, OXFORD STREET, LONDON, W.1.

Telegrams : "Tutoress, Phone, London."

Telephone : Museum 1136.

"IT IS CLEAR

that a capable agent who has pursued his calling for years will have gathered, by visits, by personal interviews, and by correspondence, a globe of precepts, and that his profession of recommending schools is no idle pretence."

The Journal of Education, June, 1916.

**This is the definition, by a competent judge, of what should constitute a
USEFUL SCHOLASTIC AGENT.**

It may be presumed that no one would knowingly make trial of the services of any other kind, but it is still true that a proportion of Principals are induced to yield to the importunities of plausible and worthless concerns, with the resultant loss and disappointment that might be expected. This is a disillusioning experience for which there is no necessity. The established, reliable Scholastic Agencies are not many in number, and they are well known, and their record and standing easily to be ascertained. As one of these we have a sufficient claim to clients' confidence. If, further, we obtain the greater share of Parents' Inquiries, we also take unusual pains to secure them.

As a result, few days pass without at least one letter of thanks from parents who appreciate the assistance we have given them. Principals are equally generous in expressing their indebtedness.

The following extracts are from recent acknowledgments:—

"When I first came here I spent over £50 in six months, advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of 'venturing' on another boarding house."

"Two years ago you sent me a pupil named ———. Through her parents I have had **four** good pupils this year from four different places, and through two of these I have **five** more coming this term: that is ten pupils from paying **one** commission."

**If you have not yet made trial of our services, we shall be glad
to hear from you, with particulars of your School.**

J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON, E.C. 4. Telephone: Central 5053.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

No. 602.
Vol. 51. [WITH SUPPLEMENT.]

LONDON, SEPTEMBER 1, 1919.

PRICE 8D.; BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

October 1919 issue ready on Sep-
tember 30. Advertisement scale is on
page 593. The latest time for prepaid
Advertisements is

SEPTEMBER 22.

SCHOLARSHIP NOTICES.

See pp. 562, 564, 567, 569.

PHYSICAL TRAINING.

See pp. 563, 567, 616.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and pp. 584, 598.

UNIVERSITY TUTORIAL COLLEGE,
See p. 563.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See pp. 593, 624, 627, 640.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.

MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
NEW PREMISES: 7, 9 & 10 Brunswick Sq., London,
W.C.1.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.

Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.

When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W. 1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

TRAINING COURSE FOR TEACHERS OF COMMERCIAL SUBJECTS

The COLLEGE OF PRECEPTORS offers a
Course of Training for teachers of commercial sub-
jects and for those intending to become teachers of
such subjects. The Course will begin on Thursday,
the 25th of September, and will include attendance at
lectures and discussion classes and teaching under
supervision.

Particulars may be obtained from the SECRE-
TARY, College of Preceptors, Bloomsbury Square,
London, W.C.1.

PRELIMINARY EXAMINATIONS FOR MEDICAL, DENTAL, AND PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Ealing, Exeter, Margate,
Plymouth, Portsmouth, Sheffield, Southampton,
Southport, Sunderland, and York. For Regulations,
apply to the SECRETARY, College of Preceptors,
Bloomsbury Square, London, W.C.1.

For announcements of

UNIVERSITY CORRESPONDENCE COLLEGE

See pages 584 and 598.

University Examination Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Thirty Tutors, Graduates in
very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1919 - 1901

Candidates in various Groups: 305 First
Class; 309 Marks of Distinction. In
June 1918 nine-tenths of our Candidates
succeeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-19 43

(Only two failures.)

Oxford Higher Local, 1903-19 - 178

Candidates in various Sections.

M.D. (Lond.), 1901-19 - 238

(Including 6 Gold Medallists
during 1913-1918.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1919. Valuable Lesson-notes introduced before
each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

BEDFORD COLLEGE FOR WOMEN

(UNIVERSITY OF LONDON).

REGENT'S PARK, N.W.1.

PRINCIPAL: Miss M. J. TUKE, M.A.

DEGREE COURSES IN ARTS AND SCIENCE.

SECONDARY TRAINING DEPARTMENT.

SCIENTIFIC INSTRUCTION IN HYGIENE. COURSE OF TRAINING IN SOCIAL WORK.
FOR RESIDENT AND DAY STUDENTS.

AUTUMN TERM BEGINS THURSDAY, OCTOBER 2nd, 1919.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY OF ST. ANDREWS.

UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June.

The Hall has been enlarged to accommodate 64 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

UNIVERSITY OF LIVERPOOL.

UNIVERSITY HALL.

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

HOLIDAYS IN NORTH WALES.

—Sea and mountains, mild climate, beautiful excursions. Golf course near. Comfortable, refined and magnificently situated Guest House in extensive grounds. Produce from own garden. 37s. 6d. per week inclusive. For Prospectus write—MANAGERESS, Bryn Corach, Conway.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—39 to 51 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—
Miss C. P. TREMAIN, B.A.

BRIGHTON.

GRAFTON HOUSE, Grafton Street, Marine Parade (door sea).—Homely board-residence. 10 bedrooms. Bath (h. and c.). Electric light throughout. Good table. Moderate.

DEAN FOREST.

SEVERN WYE VALLEYS; a beautiful Holiday Home (600 feet up); spacious house, grounds; Bath, Billiards, Tennis, Motors, magnificent Scenery. Boarders 42/- to 50/-. Photos, Prospectus.—Littledean House, Littledean, Glos.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne," Guide to Town and Schools, 1s. 6d. "Register of Accommodation," Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Comfortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.—The Misses WATSON.

KESWICK.

ENGLISH LAKES.—Guests received in country private house. Grounds. Near church, post, telegraph and telephone office. Climbing, boating, fishing. Lovely scenery. Moderate terms.—Miss SCOTT, Borrowdale Gates, Keswick, Cumberland.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB,

9 and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LEIGH-ON-SEA.

THREE Paying Guests received. Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—Mrs. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

30. 31. &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 6s. 6d. Bed and Breakfast. "En pension" from 2½ guineas weekly. Telegs.: "Baggage, London." Phone: Museum 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 6s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 22s. 6d. to 30s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

PARIS.

MADAME PLANQUETTE'S comfortable home in pleasant environs is highly recommended by former guests. Liberal table, quick transit, good French conversation.—4 Rue des Vars, Bois Colombes, Seine, Paris.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home; good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsheld Road, East Twickenham, Middlesex.

See also page 564.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.**

**SCHOLASTIC AGENCY for
JUNIOR FORM AND KINDERCARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
DARTFORD HEATH, KENT.**

Trustees:

Sir GEORGE NEWMAN, K.C.B., D.C.L.
The Marchioness of SALISBURY.
The Rt. Hon. CHRISTOPHER ADDISON, M.D., M.P.
The Hon. WALDORF ASTOR, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE, LL.D.

Principal:

Miss HILDA WALTON (Oxford Final Honour School,
English Language and Literature).

Vice-Principal:

Miss ALMA WIKNER (Royal Cent. Inst. of Gymnastics,
Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 23 acres.

The course begins in **October**. Further particulars may be obtained on application to the SECRETARY.

**INTERNATIONAL GUILD,
6 RUE DE LA SORBONNE, PARIS,**

under the direction of

Mlle CLANET (agrégée de l'Université),
Mlle ROLLAND (" "),
Miss BURT, B.A. (Hons. "London").

offers to Students, especially those intending to be teachers, a sound training in the **French Language**. Classes are held in

French Literature, History and Phonetics,
Grammatical Commentary, Translation and
Lecture Explicquée.

Preparation for the

Certificat d'Etudes Françaises of the Sorbonne,
Diplôme d'Etudes Françaises of the Guild.

Simpler course for less advanced students. A speciality is made of exchange lessons and social intercourse with the students of other nationalities.

**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N. 6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours,
London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the HEAD MISTRESS.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of
all grades should apply to—THE EDUCATION
SECRETARY, South African Colonization
Society, 23 Army and Navy Mansions, 115 Victoria
Street, S.W.1.

AGENCY ANNOUNCEMENTS will
be found on pages 561, 563, 570,
571, 617, and 623.

PHYSICAL TRAINING COLLEGES
will be found on pages 563, 567,
and 616.

**University Tutorial College.
LONDON.**



LONDON MATRICULATION.

Morning, Afternoon, and Evening Classes for the January and June Examinations commence on September 18th.

During the period of the War over 1,000 successes have been gained by U.T.C. Students in Public Examinations, including 863 successes at London University.

**COLLEGE OF PRECEPTORS.
(MEDICAL PRELIMINARY.)**

Classes are held for the College of Preceptors Examination (Medical Preliminary) and other Entrance Examination, commencing on September 18th.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN, W.C.1.



**THE
ASSOCIATED BOARD
OF THE**

ROYAL ACADEMY OF MUSIC

AND THE

ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

President: H.R.H. THE PRINCE OF WALES, K.G.

LOCAL CENTRE EXAMINATIONS (Syllabus A).

Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the November-December Examinations close Wednesday, October 15th, 1919.

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a year, viz., October-November, March-April, and June-July. Entries for the October-November Examinations close Wednesday, October 8th, 1919.

The Board offers annually SIX EXHIBITIONS, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.

Syllabuses A and B for 1919 or 1920, Entry Forms, and any further information will be sent post free on application to—JAMES MUIR, Secretary,

14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA. LONDON."

SPECIAL CORRESPONDENCE COURSES.

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. } 168 Correspondence
Exams., 1910-19 } Students successful.

Mr. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R.C.M.,
c/o Forsyth Bros., Deansgate, Manchester.

**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.**

President: **SIR FRANK BENSON,**
Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.,**
Royal Albert Hall, Kensington Gore, S.W.7.

**COURSES OF DRAMATIC
AND
TECHNICAL TRAINING,
VOICE TRAINING,
ENGLISH PHONETICS,
CURE OF SPEECH
DEFECTS,
RECITATION,
PUBLIC SPEAKING.**

Complete Training Course for Teachers,
Preparation for the L.R.A.M. Diploma.
Schools visited and inspected.

**ASSOCIATION OF TEACHERS
OF
SPEECH TRAINING.**

Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.

President:

Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, Scuth Kensington, S.W.7.

Secretary:

Miss WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tones and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply — Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 561-570, 590, 598, 611, 613, 616, 626, 639; [Halls of Residence] 562, 564; [Physical Training] 563, 567, 616; [Medical Schools] 568; [Scholarships] 562, 564, 567, 569.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W.2.
TRAINING COLLEGE
(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANE HUBBARD, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes;
Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union. Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools. Diploma Students attend University Lectures. Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN,
UNIVERSITY OF LONDON),

CAMPDEN HILL ROAD, W.8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

New Session opens on Monday, September 29.

BIRKBECK COLLEGE

BREAMS BUILDINGS, CHANCERY LANE, E.C.4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING)
FOR DEGREES IN

ARTS AND SCIENCE,

under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.

GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

SESSIONAL FEES { Day: Arts, £10, 10s.; Science, £17, 10s.
Evening: Arts, Science, or Economics, £5, 5s.

Examination for 16 Free Studentships, Sept. 8; entries by Sept. 3.

Prospectus post free. Calendar 6d. (by post 8d.).

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION. In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salisbury Road, Brondesbury, London, N.W.6.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

Principal: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects, Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

Next term begins on September 20th.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council:

The Rev. Canon TEMPLE, D.Lit.

Principal: Miss B. S. PHILPOTTS, Litt.D., O.B.E.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident £120 a year; non-resident from 30 guineas a year.

Next term begins October 1st, 1919.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination held annually in April.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W.3.

ST. GEORGE'S TRAINING COLLEGE

(Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W.4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.

2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.

3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.

4. TRAINING DEPARTMENT for Teachers of Housecraft. Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

MEDICAL

PRELIMINARY EXAMINATIONS.

THE

University Examination Postal Institution

provides courses in preparation for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes papers of questions, and answer-notes. Oral lessons are also given.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C.1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Teachers'

Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

TRAINING COLLEGES and Technical Schools.

See also pages 561-570, 590, 598, 611, 613, 616, 626, 639; [Halls of Residence] 562, 564; [Physical Training] 563, 567, 616; [Medical Schools] 568; [Scholarships] 562, 564, 567, 569.

THE UNIVERSITY OF SHEFFIELD.
COURSES are held and DEGREES (Bachelor, Master, and Doctor) are awarded in the following Faculties:—ARTS (including architecture), PURE SCIENCE, MEDICINE, LAW, ENGINEERING (including Mining), and METALLURGY.

The Degree of Doctor of Philosophy (Ph.D.), is awarded in the Faculties of Arts, Pure Science, Law, Engineering, and Metallurgy. This degree is awarded on post-graduate study, and graduates of the University of Sheffield and other approved Universities are eligible.

DIPLOMAS are awarded in Modern Language Teaching, Education, Architecture, Domestic Science, Mining, Glass Technology.

ASSOCIATESHIPS are awarded in Engineering, Iron and Steel Metallurgy, and Non-Ferrous Metallurgy.

The University Hall for Women, Oakholme, Clarkehouse Road, stands in six acres of grounds, and affords all the advantages of collegiate life.

Entrance and Post-Graduate Scholarships are awarded each year.

W. M. GIBBONS, Registrar.

UNIVERSITY OF BIRMINGHAM.

Faculties:—

**SCIENCE, MEDICINE,
ARTS, COMMERCE.**

SPECIAL SCHOOLS OF LANGUAGES.

DEPARTMENT FOR TRAINING OF TEACHERS.

Schools of—

**ENGINEERING, MINING,
METALLURGY, BREWING,
DENTISTRY, SOCIAL STUDY.**

Leading to Degrees and Diplomas.

THE SESSION 1919-20 COMMENCES OCTOBER 7TH, 1919. ALL COURSES AND DEGREES ARE OPEN TO BOTH MEN AND WOMEN STUDENTS.

In the Medical School Courses of Instruction are arranged to meet the requirements of other Universities and Licensing Bodies.

Graduates, or persons who have passed Degree Examinations of other Universities, may, after one year's study or research, take a Master's Degree.

Separate Syllabuses with full information as to Lecture and Laboratory Courses, Fees, Regulations for Degrees, Diplomas, &c., Exhibitions and Scholarships, are published as follows:—

1. Faculty of Science.
2. Faculty of Arts.
3. Faculty of Medicine.
4. Faculty of Commerce.
5. Department of Social Study.
6. Department of the Biology and Chemistry of Fermentation.
7. Exhibitions, Scholarships, &c.,

and will be sent on application to the undersigned,
GEO. H. MORLEY, Secretary.

GUILD OF EDUCATION AS NATIONAL SERVICE.

HALSEY TRAINING COLLEGE

(Recognized by the Board of Education)

FOR

Rural and Urban Day Continuation Work.

PREPARATION for work in DAY CONTINUATION SCHOOLS for Factory and Town Workers at Canning Town, E., where there are Voluntary Continuation Classes at the Hostel.

Preparation for work in similar schools for Rural and Farm Workers at Kenton, near Harrow. Hostel, Clubs, and Instructional Market Garden Farm.

Board of Education Grants available for Graduates and for Certificated Teachers (men and women), Ministry of Labour Grants for Training and Maintenance given to demobilized men.

Apply—Org. Sec., Guild of Ed. as Nat. Service, 41 Tavistock Square, W.C.1.

BEDFORD COLLEGE FOR WOMEN

(University of London),

REGENT'S PARK, N.W.1.

SECONDARY TRAINING DEPARTMENT.

Recognized as a Training College by the Board of Education, the University of London, and the Cambridge Syndicate.

For particulars of Scholarships and Bursaries apply to the Head of the Department, Miss S. MELHURSH, Final Hist. Hons. Oxon.; M.A. Vict.; London Diploma in Pedagogy (University Reader in Education).

MANCHESTER MUNICIPAL.

COLLEGE OF TECHNOLOGY

(UNIVERSITY OF MANCHESTER)

Principal: J. C. M. GARNETT, C.B.E., M.A. (late Fellow, Trinity Coll., Cam.).

The Session 1919-1920 will open on 8th October. Matriculation and Entrance Examinations will be held in July and September.

DEGREE COURSES IN TECHNOLOGY

The Prospectus gives particulars of the courses leading to the Manchester University degrees (B.Sc. Tech. and M.Sc. Tech.) in the Faculty of Technology, in the following Departments:

MECHANICAL ENGINEERING (Prof. G. G. Stoney, F.R.S.),
ELECTRICAL ENGINEERING (Prof. Miles Walker, D.Sc.),
SANITARY and Municipal Engineering,
THE CHEMICAL INDUSTRIES (Prof. F. L. Pyman, D.Sc.), including General Chemical Technology, Bleaching, Dyeing and Dyestuff Manufacture, Printing, Papermaking, Fermentation Industries, Metallurgy, Fuels,
TEXTILE INDUSTRIES (Prof. A. J. Turner, B.A., B.Sc.),
PHOTOGRAPHIC TECHNOLOGY,
ARCHITECTURE, PRINTING, MINING.

ADVANCED STUDY AND RESEARCH

The College possesses extensive laboratories and workshops, equipped with full-sized modern apparatus, including machines specially constructed for demonstration and original research.

PROSPECTUSES OF UNIVERSITY COURSES OR OF PART-TIME COURSES SENT FREE ON APPLICATION.

UNIVERSITY OF MANCHESTER.

The Session will commence on Wednesday, Oct. 8th.

PARTICULARS of any of the

following Faculties or Departments may be obtained on application to the Registrar:—Arts, Science, Medicine, Dentistry, Pharmacy, Public Health, Engineering, Technology, Architecture, Agriculture, Geology and Mining, Commerce, Education, Law, Music, Theology, Public and Evening Courses.

Prospectuses of general information, Fellowships, Scholarships, Exhibitions, and Prizes, University Extension Lectures, Social Work, also information for Women Students.

MRS. CURWEN'S PIANO-FORTE METHOD.

EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

New TRAINING CLASSES for MUSIC TEACHERS, held weekly, will begin each Term at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

University of Durham.

ARMSTRONG COLLEGE, NEWCASTLE-UPON-TYNE.

Principal: Sir HENRY HADOW, M.A., D.Mus., J.P.

SESSION 1919-20.

MATRICULATION EXAMINATION, September 16th-20th.

PARTICULARS of Curricula for University Degrees and College Diplomas in Engineering, Electrical Engineering, Naval Architecture, Mining, Metallurgy, Agricultural, Pure Science, Arts and Commerce, and of Fellowships, Scholarships, and Exhibitions, on application to

F. H. PRUEN, M.A., Secretary,
Armstrong College, Newcastle-upon-Tyne.

THE INCORPORATED

FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Institut Français du Royaume Uni

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.1

AFTERNOON LECTURES in French on French Music, Literature Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are specially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

SPEECH TRAINING SCHOOL,

NON-RESIDENTIAL

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams:

"Eurhythm, London."

Telephone:

Museum 2294.

In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

TRAINING COLLEGES & Technical Schools.

See also pages 561-570, 590, 598, 611, 613, 616, 626, 639; [Halls of Residence] 562, 564; [Physical Training] 563, 567, 616; [Medical Schools] 568; [Scholarships] 562, 564, 567, 569.

UNIVERSITY OF LONDON. KING'S COLLEGE.

DEPARTMENT FOR TRAINING TEACHERS IN SECONDARY SCHOOLS.

Theory, Practice and History of Education.

J. W. ADAMSON, B.A., Professor of Education
(Head of the Department).

A. A. COCK, B.A., Lecturer.

THE Course, which includes Practical Work in Secondary Schools, extends over one academical year beginning in October or January. It is intended for those who are preparing to take the Teachers' Diploma of the University of London.

The fee is £20 for the year, if paid in advance, or guineas per term.

Applications should be made to
Professor ADAMSON,
King's College, Strand, W.C.2.

UNIVERSITY OF LONDON. KING'S COLLEGE.

EVENING CLASS DEPARTMENT.

COURSES are arranged for the INTERMEDIATE and FINAL EXAMINATIONS for the B.A. and B.Sc. DEGREES of the UNIVERSITY OF LONDON.

Students taking the full course pay composition fees, and rank as internal students of the University. The separate classes are also open to occasional students.

NEXT TERM will begin on WEDNESDAY, October 1st.

For full information and prospectus apply to the DEAN (Mr. R. W. K. Edwards), or to the SECRETARY, King's College, Strand, London, W.C.2.

UNIVERSITY OF LONDON. KING'S COLLEGE and KING'S COLLEGE FOR WOMEN.

COMPLETE COURSES OF STUDY are arranged for Degrees in ARTS, LAWS, SCIENCE, PRELIMINARY and INTERMEDIATE MEDICAL STUDIES, PUBLIC HEALTH and BACTERIOLOGY, ENGINEERING.

Women Students are admitted to the Faculties of ARTS, SCIENCE, LAWS, and MEDICINE. Facilities for Research. Arrangements made for attending special or isolated courses.

EVENING CLASSES as well as Day in most Faculties.

STUDENTS' HOSTELS: The Platanes, Denmark Hill, and Vincent Square, Westminster.

The Next TERM commences OCTOBER 1st, 1919. Apply to SECRETARY, King's College, Strand, W.C.2.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals: Miss C. CRACKNELL, late of Swanley Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S.

A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

Northern Counties Training School of Cookery and Household Economy,

NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
**COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY.**

School year begins September.

THE HORTICULTURAL COLLEGE, SWANLEY, KENT.

Scientific and Practical Instruction in Horticulture, Fruit Growing, Marketing and Packing; Farming, Dairying and Poultry Keeping, Bee-keeping, Fruit Preserving, and Domestic Economy.

The Diploma Course, two years.

Small Holders Course, two years: one year Horticulture; two terms Farming, Dairy and Poultry Keeping; one term Domestic Economy.

Landscape Gardening Course, two years.

Commercial Horticulture Course, one year: for women with previous experience, or as a second year to one of the College courses.

For particulars apply to the Principal.

BEDFORD KINDERCARTEN CO., LIMITED, AND TRAINING COLLEGE, 14 The Crescent.

Council:

THE BISHOP OF BIRMINGHAM:

C. W. KAYE, Esq., M.A., late Head Master
Bedford Modern School.

Principal: Miss AMY WALMSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence for Students—Shenstone Lodge, Osborne House, and Magdala House.
Branch School—Froebel House, Goldington Avenue.

For terms and particulars apply to—
The Secretary, ALEXANDER MORRISON, 26 Hill St.,
Bedford.

THE INCORPORATED SOCIETY OF MUSICIANS.

FOUNDED 1882.

INCORPORATED 1892.

OBJECTS OF THE SOCIETY.

The objects for which the Society is established are the promotion of whatever may tend to the elevation of the status, and the improvement of the qualifications, of all Members of the Musical Profession, or may aid the musical education of the people.

ADVANTAGES OF MEMBERSHIP.

The inclusion of the names of members in an Annual Register, which is supplied to all Public Libraries and Reading Rooms, for the purpose of affording the public an opportunity of selecting qualified teachers. (The publication of this Register has been suspended for the moment owing to paper and other restrictions, but will be resumed as soon as possible.)

A quarterly periodical called "The Report," in which an account of the Society's work and other matters of interest are recorded, and which is open to members for the discussion of all questions relating to the musical profession.

A Benevolent Fund for members, the Regulations for which have purposely been made as wide as possible in order to meet the many and very varying contingencies which arise from time to time.

An Orphan Fund for the children of musicians, which is open to the dependents of all musicians, whether their parents were members of the Society or not.

Sectional Meetings, which are open to all members in all parts of the country, and at which excellent arrangements are made for the reading of papers and the discussion of matters musical.

Legal Advice on all professional matters; Income Tax Claims; Copyright; The Recovery of Fees, &c.

Registers open to members of "Vacant Appointments" and "Engagements," and for the transfer from member to member of pupils moving to new districts.

Registers of Hotel and other accommodation available for members when travelling to fulfil professional engagements.

LOCAL EXAMINATIONS IN MUSIC.

The examinations of the Society, established in 1884, are carefully arranged in a systematic series of Progressive Grades, embracing a complete course of musical study, and constitute a most valuable guide for Teachers in recording the progress of their pupils.

The Syllabus is prepared by a Committee of experienced Teachers, who are qualified by active practice to judge of the standard which should be attained by pupils in all stages of progress.

A limited number of Prizes and Scholarships are awarded to those presenting exceptional work at the Local Examinations, the Scholarships taking the form of a payment for the further musical training of the Student.

FULL PARTICULARS MAY BE OBTAINED UPON APPLICATION TO THE GENERAL SECRETARY, 19 BERNERS STREET, W. 1.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).
FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GEORGE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA COLLEGE OF PHYSICAL EDUCATION FOR WOMEN. (SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard. Applications for admission next term should be made now.

Apply for Prospectus to Miss DORRIS WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

New Session begins Tuesday, September 30th, 1919.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S PHYSICAL TRAINING COLLEGE, WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming, Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

See advertisement on page 563.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W. 11. Tel.: PARK 3948.

PHYSICAL TRAINING COLLEGE,

LOWER REDLAND ROAD, BRISTOL.

TRAINING in Swedish and British Gymnastics for public examination. Tennis, Hockey, Cricket under a County player. Swimming, Massage and Remedial Gymnastics under a certificated Masseuse. Anatomy, Physiology, Hygiene.

Dancing, Ballroom and Ballet, Dalcroze Eurhythmics.

Students prepared for the advanced certificate of The English Folk Dance Society.

Residential fees on application to—The Misses JENNINGS, HOLBROW, and COLSON.

For other Physical Training Advertisements see pages 563 and 616.

MEDICAL SCHOOLS and COLLEGES.

UNIVERSITY COLLEGE HOSPITAL MEDICAL SCHOOL

(UNIVERSITY OF LONDON),

UNIVERSITY STREET, COWER STREET, W.C. 1.

Telephone: Central 9873.

THE WINTER SESSION will commence on the 1st OCTOBER, 1919.

The SCHOOL is for Final Studies only, and gives a complete curriculum to Men and Women Students for all the Final Examinations.

FEES.—For the Final Course, 80 guineas if paid in one sum, or 82 guineas paid in two instalments of 50 and 32 guineas.

CLINICAL STUDIES.—The Students of University College Hospital have the privilege of carrying out a portion of their clinical studies at the—

NATIONAL HOSPITAL FOR NERVOUS DISEASES, Queen Square;

THE CHILDREN'S HOSPITAL, Great Ormond Street; and

THE CENTRAL LONDON OPHTHALMIC HOSPITAL, Judd Street.

THE ROYAL EAR HOSPITAL, Dean Street, Soho, has been amalgamated with University College Hospital as the Ear, Nose, and Throat Department.

DENTAL STUDENTS (Men and Women) can obtain a complete curriculum at University College, University College Hospital, and the Dental Department of University College Hospital (the National Dental Hospital, Great Portland Street). This Department has recently been reorganized and equipped on the highest standard of modern requirements, and is admirably adapted for the teaching of students in the science and art of Dental Surgery.

SPECIAL COURSES in Operative Surgery (Junior and Senior) are held twice yearly—February and September.

Forty-seven appointments are open during the year to students, and paid appointments to the annual value of over £500.

SCHOLARSHIPS, EXHIBITIONS, and Prizes of the value of over £1,000 are awarded annually.

BUCKNILL SCHOLARSHIP of the value of £135 is tenable for the earlier Medical Studies at University College and for the Final Studies at the Medical School.

GOLDSMID EXHIBITIONS.—Two of the value of 80 guineas each, the subjects of the examination being Anatomy and Physiology, are awarded annually in September.

Provision is made both for undergraduates and graduates, and for research workers in the Graham Research Laboratories.

THE SCHOOL BUILDINGS are among the best equipped in London.

Students can reside at University Hall, Ealing (Warden, W. W. Seton, M.A., D.Lit.).

All further information and prospectus can be obtained from the SECRETARY, and the DEAN can be interviewed at any time by appointment.

Dean, G. F. BLACKER, M.D., F.R.C.P., F.R.C.S. Acting Secretary, G. E. ADAMS.

LONDON (Royal Free Hospital) SCHOOL OF MEDICINE FOR WOMEN (UNIVERSITY OF LONDON),

HUNTER STREET, BRUNSWICK SQUARE, W.C. 1.

FULL COURSES are arranged for the M.B., B.S. Degrees of the University of London, and for the Diplomas of the Royal Colleges of Physicians and Surgeons.

Special Classes for the Primary Fellowship Examination.

Arrangements and Bursaries for Dental Students. Clinical instruction is given at the Royal Free Hospital, St. Mary's Hospital, and at five Special Hospitals.

WINTER SESSION will begin on Wednesday, October 1st, 1919.

Prospectus and information as to Scholarships, residence in the School Chambers, &c., from the Warden and Secretary, Miss L. M. BROOKS.

LOUISA B. ALDRICH BLAKE,
M.D., M.S., Dean.

L.R.A.M. and A.R.C.M. Teaching
Singing Exams. Special Correspondence Course and personal tuition. Complete preparation. Pupil writes: "Your Course is excellent, and my singing work has greatly improved, thanks to your tuition.—A. F."—Mr. W. LEE WEBSTER, L.R.A.M., A.R.C.M. (Teaching Singing), 22 Lucknow Avenue, Nottingham.

University College Hospital Dental School

(NATIONAL DENTAL HOSPITAL),

Ct. Portland Street, W. 1.

WINTER SESSION commences
1st October, 1919.

This Hospital and School, situated in the centre of a large population, and within a few minutes of University College Hospital, has recently been reorganized and equipped on the highest standard of modern requirements, and is admirably adapted for the teaching of students in every branch of the Science and Art of Dental Surgery.

The mechanical laboratory, conservation room, and X-rays department are replete with all the latest approved appliances.

Students (men and women) enter as students of University College Hospital, and attend classes in Chemistry, Physics, Anatomy, and Physiology at University College, adjacent to University College Hospital.

Each student serves as a dresser in the extraction, anæsthetic, conservation, and X-rays departments.

Three house surgeons are appointed half-yearly.

ENTRANCE EXHIBITIONS of the value of £40 and £20 are awarded each session.

The Composition Fee for the full curriculum of four years, in all subjects required by the Royal College of Surgeons, also for other examining bodies, is 180 Guineas. If desired, this can be paid in one instalment of 62 Guineas and three others of 41 Guineas each.

The Composition Fee for Medical Men, amounting to 120 Guineas, has been arranged, covering the two years' mechanical work, hospital practice, and lectures, required by the curriculum of the Royal College of Surgeons.

The Calendar, containing full information as to lectures, fees, prizes, &c., may be had on application to the DEAN, who attends the hospital on Tuesday mornings at 10.30.

HOLIDAY COURSES.

INTERNATIONAL GUILD.
6 RUE DE LA SORBONNE, PARIS.

JULY. AUGUST. SEPTEMBER.

PHONETICS every day. Conversation, Grammar, French History and Literature.

For Prospectus, apply to the SECRETARY.

LONDON HOSPITAL MEDICAL COLLEGE & DENTAL SCHOOL.

The WINTER SESSION will OPEN on
OCTOBER 1st.

The HOSPITAL is the largest in England, 933 beds are in constant use. Last year, number of in-patients, 17,247; out-patients, 94,554; dental patients, 1,947; major operations, 9,056.

The **MEDICAL COLLEGE** and **DENTAL SCHOOL** are essentially modern, with large Laboratories equipped with the latest and most approved appliances. The Staff is so large as to permit of individual attention being paid to all Students.

RESEARCH FUNDS of over £25,000 give unrivalled facilities for Medical Research.

APPOINTMENTS.—141 Appointments are made annually from Students of the College recently qualified.

SCHOLARSHIPS and PRIZES.—33 Scholarships and Prizes are awarded annually, including four Entrance Scholarships.

Clubs' Union, Athletic Ground, Students' Hostel, &c.

For Prospectus and Particulars apply to the Dean (Professor WILLIAM WRIGHT, M.B., D.Sc., F.R.C.S.), who will be pleased to make arrangements for anyone wishing to see the College.

Mile End, E.

THE ROYAL DENTAL HOSPITAL OF LONDON, SCHOOL OF DENTAL SURGERY

(UNIVERSITY OF LONDON),

LEICESTER SQUARE, W.C. 2.

The WINTER SESSION, 1919,
commences October 1st.

The SCHOOL is thoroughly equipped. The CLINIC of the Hospital is UNRIVALLED. The Classes, Chemistry, Physics, and Metallurgy, are open to the pupils of Private Practitioners.

DENTAL MECHANICS.

The Laboratories occupy an entire floor of the building.

Pupils can JOIN AT ANY TIME for the two years' training in Dental Mechanics specified in the Curriculum.

WOMEN are now admitted as Students of the School, and are eligible for all appointments and prizes.

For further particulars apply THE DEAN.

THE ENGLISH FOLK DANCE SOCIETY.

Honorary Director: CECIL J. SHARP.

CLASSES in FOLK DANCING
will be held at REEVE HALL, 76 East Street (near Baker St. Station), during the Christmas Term, from October 6th to December 13th, on Mondays 6-9 p.m., Wednesdays 7.30-9.30, Fridays 6-9.30, and on Saturday mornings 10.30-12.30. Certificates in Folk Dancing are granted by the Society.
For further particulars apply to the SECRETARY, 73 Avenue Chambers, Vernon Place, Bloomsbury, London, W.C. 1.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

ROYAL HOLLOWAY COLLEGE. (UNIVERSITY OF LONDON.)

Principal: Miss E. C. HIGGINS, B.A.

THE MICHAELMAS TERM BEGINS THURSDAY, OCTOBER 2nd, 1919. The College prepares Women Students for the London Degrees in Science and Arts.

TWELVE ENTRANCE SCHOLARSHIPS, from £50 to £60 a year, and a few Bursaries of not more than £30, tenable for three years, will be offered for Competition in June, 1920.

For further particulars apply to the SECRETARY, Royal Holloway College, Englefield Green, Surrey.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter. Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

BRIGHTON COLLEGE.—An Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

ROSSALL SCHOOL.

THE Examination for Ten (or more) SCHOLARSHIPS (value from £90 downwards), open to Boys between 12 and 15, will be held in London and at Rossall in March 1920.

Full details may be obtained from

THE BURSAR,
ROSSALL,
FLEETWOOD.

BEDFORD SCHOOL.—Head Master: REGINALD CARTER, M.A. An Examination will be held at Bedford on March 18th, 1919, for 4 Exhibitions £50-£40, and 6 Nominations £10-£20 for Boarders, and 4 for Day Boys. Apply for particulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EXHIBITIONS.—Seven Exhibitions are offered to Sons of Old Bedfordians on certain conditions. For particulars apply—HEAD MASTER, Bedford School.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;

St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

CRANBROOK SCHOOL, KENT.

Head Master: Rev. C. F. PIERCE, M.A. Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

KING'S SCHOOL, CANTERBURY.—ENTRANCE and KING'S SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

NEWNHAM COLLEGE.—TWO SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £50 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

LADY MARGARET HALL,

OXFORD.—The following Scholarships will be offered at an Examination to be held in March 1920:—The OLD STUDENTS' SCHOLARSHIP of £70 a year, only given to candidates who can prove their need of pecuniary aid; the JAMES CROPPER SCHOLARSHIP of £50 a year; and one of £40 a year. One or more EXHIBITIONS will also be offered should candidates of sufficient merit present themselves. The Scholarships and Exhibitions are tenable for three years during residence.

WORCESTER CATHEDRAL KING'S SCHOOL

ANNUAL SCHOLARSHIP EXAMINATION.
November 18th and 19th, 1919.

SEVEN KING'S SCHOLAR-

SHIPS of the value of £18.18s. per annum, two HOUSE SCHOLARSHIPS of £15, and two GOVERNORS' EXHIBITIONS (tenable with King's Scholarships) will be awarded.

Scholarships may be awarded for excellence in either Classics, Mathematics, or Modern Languages. Candidates must be under 15.

Applications for entry forms must be made before November 1st to the Head Master,

Rev. C. CREIGHTON,
King's School,
Worcester.

BRADFIELD COLLEGE.

AN Examination for ENTRANCE SCHOLARSHIPS and EXHIBITIONS open to boys under 15 on September 20th, 1920, will be held in May next at Bradfield.

The following will be offered:—

Three Scholarships of 90 guineas.

One Exhibition of 60 guineas.

One Exhibition of 50 guineas.

Three to six Exhibitions of 30 to 20 guineas.

Entry forms can be obtained from the HEAD MASTER, Bradfield College, Berks.

ST. JOHN'S SCHOOL, LEATHER-

HEAD.—In addition to sons of living clergy elected on the Free Foundation, Supplementary Foundationers (sons of living clergy only) are received at the annual fee of 40 guineas. The school is also open to sons of Clergy or Laymen paying full fees, viz., Clergy 60 guineas, Laymen 60 guineas per annum. Day-Boys 33 guineas per annum. Modern school building for 240 boys. Boys prepared for the Universities, Army and Civil Service Examinations, &c. Leaving Scholarships. One or two Albany Scholarships awarded each year. Also three Entrance Scholarships, value £30, £25, and £20 per annum. Scholarship examination for 1919 on July 7th; entries close the last day of June. For prospectus, &c., apply to the HEAD MASTER, the Rev. E. A. DOWNES.

See also pages 562, 584, and 587.

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	...	net	7/6
THE GIRLS SCHOOL YEAR BOOK	...	"	6/-
THE SCHOOLMASTERS YEAR BOOK	...	"	20/-
THE DIRECTORY OF WOMEN TEACHERS	...	"	10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,
31 Museum Street, LONDON, W.C.1.

Orders for monthly parts of

THE SCHOOL WORLD

for June, 1918, and earlier dates (i.e. before the amalgamation with "The Journal of Education") should be placed with

Messrs. Macmillan & Co., Ltd., St. Martin's St., London, W.C. 2.

Blackboards cannot become Shiny

in use, if covered with

Proctor's "Defiance" (Trade Mark)
Slate Composition.

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. *There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.*

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO.

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).
Office Hours: 9.30 a.m. to 5 p.m.
Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m.
Appointments should be made when possible.
Telephone: Museum 3217. **Telegrams:** "Educatorio Grenville London."

STAMMERING**PERMANENTLY CURED**

by a Novel System of Speech Drill.

Instruction given to School Teachers and Tutors.
Highest credentials from the principal Public Schools.
Address—

Mr. J. HERBERT MIALI,
209 OXFORD STREET, W.1.

**SCHOOL
WORLD**

WANTED. — Parts
for MARCH, 1904 (Vol. 6).

MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C.4.

E DUCATED GIRLS thoroughly
trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—
Miss IRONSIDE, Training Bureau, 50 Lincoln's Inn Fields, W.C.2.

THE EDUCATIONAL BUREAU

**1 Sicilian House,
LONDON, W.C.1.**

Principals may become Members, £1 ls. per annum.

Assistants may become Associates, 5/- per annum.

**Reduced fees for all business
transacted for Members and
Associates.**

**Masters, Mistresses, Matrons, Transfers,
Pupils. Write SECRETARY.**

L ECTURES ON ART. Single or
in Series. London and the provincial
capitals. For prospectus and terms address—Miss
A. ROBERTSON, 45 Foulton's Square, Chelsea, S.W.3.

**Speech Training and
Elocution.**

MISS LAURA SMITHSON,
L.R.A.M. Elocution A., Director of
Stratford-on-Avon Shakespeare Festival Summer
School of Education. Recommended by Sir Frank
Benson, Miss Lillian Baylis, Ben Greet, Esq., William
Poel, Esq. Elocution, Voice Production and Dramatic
Training. Pupils prepared for L.R.A.M. Elocution
Diploma. Schools near London visited. Stammering
and other defects of Speech treated. Address—
109 Abbey Road Mansions, N.W.8. North Country
towns, including Newcastle-on-Tyne (Conservatoire
of Music) visited weekly by Miss IVY SMITHSON.

**BURLINGTON
CORRESPONDENCE
COLLEGE.**

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system,
which ensures the closest attention to the needs
of each student.

Rapid preparation for:—

Matriculation,

Intermediate Arts and B.A.,

**Intermediate Science and
B.Sc.** (Theoretical Subjects only).

L.L.A. (St. Andrews),

**College of Preceptors' Dip-
lomas.**

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,

**Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.**

GEORGE GILL & SONS, Ltd.

A SELECTION FOR 1920.

The Oxford and Cambridge Edition.**RELIGIOUS KNOWLEDGE SECTION.**

The Contents, in addition to other features of the Religious Knowledge Section of the Oxford and Cambridge Edition, include:—
Introduction, embodying Analytical Notes, Characteristics and Peculiarities of the Book; **Historical, Biographical, and Geographical Notes.**

The Text, with Marginal and Foot Notes, suggested by the requirements of the Examinations.

Critical Notes, quoted from the Authorities.

Glossary of Words and Phrases, explanatory of the Text.

**COMPARISON BETWEEN THE AUTHORIZED AND REVISED
VERSIONS, SHOWING REASONS FOR THE CHANGES, &c.
WHERE ADVISABLE, THE GREEK HAS BEEN GIVEN.**

Edited by Rev. F. MARSHALL, M.A.	s. d.
Gospel of St. Luke. Maps of Palestine, Sea of Galilee, Galilee, Jerusalem, Environs of Jerusalem, Temple; Special Introduction	2 3
Acts of the Apostles. Chapters xiii-xxviii. Specially prepared for Students taking the Life of St. Paul. Separate Maps of each Missionary Journey, Voyage to Rome; Geographical and Biographical Notes	2 3
Gospel of St. Luke. (Oxon. and Cantab. Edition)	1 6
Acts of the Apostles. Chapters xiii-xxviii. (Oxon. and Cantab. Edition)	1 6
Book of Genesis	1 6
Book of Exodus. Maps of Palestine, Sinaitic Peninsula, Egypt, Diagram of Tabernacle, Route of the Israelites; Special Historical Narrative	2 3
First Book of Kings. Full Account of Solomon's Reign; the Schism; the Two Kingdoms; Special Maps; Diagram of the Temple	2 3
Book of Ezra	1 6
Book of Nehemiah	1 6
Book of Haggai. Cr. 8vo	1 6
The Prayer Book. With Notes, &c. 176 pp., Cr. 8vo	1 6
The Church Catechism. With Notes and Illustrations. Specially written as a guide for Students	2 3

Examination Papers of St. Luke. In Packet form, loose: 32 Junior Papers, 32 Senior. Each Paper different	1 0
Examination Papers on the Acts of the Apostles. In packet form, loose: 36 Junior Papers, 36 Senior. Each Paper different, covering the whole of the Acts. Per Packet	1 0

Complete Educational Catalogue and Specimen Pages post free.

LONDON: GEORGE GILL & SONS, Ltd., 13 WARWICK LANE, E.C.4.

The Oxford and Cambridge Edition.**ENGLISH SECTION.**

The chief features of this Section include:—

Notes, dealing with dates of Composition, Editions published, Anachronisms, Characteristics of the Work, and Character Sketches.

The Text, with Marginal and Foot Notes.

Supplementary Notes. Verification, with Examples specially pertaining to the Book. **Grammatical Notes** on the Grammar of the Period. **Classical and other Allusions.** **Glossary** of uncommon words. **Examination Papers.**

SHAKESPEARE.	s. d.
Tempest. Edited by STANLEY WOOD, M.A., and A. SYMS-WOOD, B.A. 288 pp., Cr. 8vo	2 3
Hamlet. Edited by STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo	2 3
Julius Caesar. Edited by STANLEY WOOD, M.A., and A. SYMS-WOOD, B.A. Fully Illustrated by Maps and Zinco Engravings. 256 pp.	2 3
Merchant of Venice. Edited by STANLEY WOOD, M.A., and Rev. F. MARSHALL, M.A. 256 pp., Cr. 8vo	2
Twelfth Night. Edited by STANLEY WOOD, M.A. 212 pp., Cr. 8vo	2 3
King John. Edited by Rev. F. MARSHALL, M.A., and R. G. GILL, B.A. 212 pp., Cr. 8vo	2 3
Midsummer Night's Dream. Edited by STANLEY WOOD, M.A. With Illustrations supplied by Sir H. BEERBOHM TREE. 192 pp., Cr. 8vo	2 3
MILTON. Ready Aug. 30, 1919.	
Comus. Edited by Rev. F. MARSHALL, M.A., and R. G. GILL, B.A.	1 6
Comus, Lycidas and English Sonnets. Edited by Rev. F. MARSHALL, M.A., and R. G. GILL, B.A.	2 3
MACAULAY.	
Horatius, Lake Regillus and Armada. Edited by G. PRESTON, M.A. 156 pp., Cr. 8vo	1 6
DEFOE.	
Robinson Crusoe. Part I. Edited by A. J. SPILSBURY, M.A. 318 pp., Cr. 8vo	2 3
SCOTT.	
Lay of the Last Minstrel. Edited by Rev. F. MARSHALL, M.A. With Texts, Notes, Map and numerous Illustrations. 256 pp., Cr. 8vo	3 0
Lay of the Last Minstrel. Edited by Rev. F. MARSHALL, M.A. Introduction, Cantos i, ii, iii, Cr. 8vo	1 0

SCHOLASTIC APPOINTMENTS

University men and women seeking scholastic appointments should apply to

Truman & Knightley
SCHOLASTIC AGENTS LTD

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions are pleasant, and the holidays long. Salaries range from £60 to £120 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student, Junior Mistresses, and House Governesses or Duty Mistresses at salaries of from £30 to £60 per annum with board and residence.

There is a separate department for

LADY MATRONS and HOUSEKEEPERS
for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

Cambridge University Press

BOOKS RECENTLY PUBLISHED

La Grande Guerre. Récits de combattants. Recueil fait et brièvement annoté par A. WILSON-GREEN, M.A. Crown 8vo. 4s net

The range of this volume of episodes of the Great War, written by men who took an active part in the events they describe, is wide and varied. It covers warfare on land and in the air, in France, in Serbia and at Cape Helles; it includes vivid pictures of life in and behind the trenches, in devastated France, in a French hospital, and in a German prison.

Italian Studies. Their Place in Modern Education. An inaugural address by THOMAS OKEY, Professor of Italian in the University of Cambridge. Crown 8vo. Paper covers. 2s net

Professor Okey pleads especially for some interest in *modern* Italy and her people, and desires for Italian studies a due place in the academic curriculum. He claims the interest of the modern student in a language which by its growing importance in practical life, its potency as an instrument for intellectual and spiritual culture, rightly deserves to stand on an equality with any modern language.

Pope. The Leslie Stephen Lecture delivered before the University of Cambridge, 10 May, 1919. By J. W. MACKAIL, LL.D., formerly Professor of Poetry in the University of Oxford. Crown 8vo. Paper covers. 2s 6d net

Science and War. The Rede Lecture, 1919. By the Right Hon. Lord MOULTON, K.C.B., F.R.S. Crown 8vo. Paper covers. 2s 6d net

Advanced Lecture Notes on Light. By J. R. ECCLES, M.A., Head Master, Gresham's School, Holt. Crown 4to. 7s 6d net

This book has been prepared in response to requests for a more advanced course from some who have found the same author's *Lecture Notes on Light* of service. Though the method adopted is, in the main, similar, the present volume approximates more to a textbook.

The Study of the Weather. By E. H. CHAPMAN, M.A., B.Sc. Large crown 8vo. With 56 illustrations. 3s 6d net

A new volume in the Cambridge Nature Study Series.

The Student's Handbook to the University and Colleges of Cambridge. Eighteenth edition. Revised to 30 May, 1919. Crown 8vo. 6s net

The Purpose of Education. An Examination of the Education Problem in the Light of Recent Psychological Research. By ST GEORGE LANE FOX PITT. Crown 8vo. 7s 6d net

A new impression of the second edition, bound in cloth. The volume contains a Preface by Prof. EMILE BOUTROUX, a Reply to Critics, and an additional chapter, *Perfection as the Ideal and Lessons of the War*.

"With the main thesis advocated we are in hearty agreement, and the presentment we have found stimulating in no ordinary degree. The perusal of the book could hardly fail to be profitable to any thoughtful man or woman."—*The Times*

Britain in the Middle Ages. A History for Beginners. By FLORENCE L. BOWMAN, Lecturer in Education, Homerton College, Cambridge. Crown 8vo. With 28 illustrations. 3s net

"Miss Bowman has rightly used contemporary literature as living evidence of the spirit of the times. . . . The book is very attractive and useful and should be widely used."—*The Times Educational Supplement*

Stories from Spenser. By MINNA STEELE SMITH, Fellow of Newnham College. Crown 8vo. With 8 pictures. 3s net

"Another interesting volume of the series so admirably begun by Miss Macaulay's *Stories from Chaucer*. It is a book that will appeal strongly to junior pupils in schools, and will fire them with the desire to read the stories in the original. It is embellished with a few good illustrations." *The Aberdeen Daily Journal*

The North Riding of Yorkshire. By Capt. W. J. WESTON, M.A., B.Sc. Crown 8vo. With 59 illustrations and three maps. 2s net Cambridge County Geographies.

Fossil Plants, Volume IV. By A. C. SEWARD, F.R.S., Hon. Sc.D. Demy 8vo. With 190 illustrations. 21s net. Cambridge Biological Series.

This volume (dealing with Ginkgoales, Coniferales, Gnetales) concludes the work.

A Dictionary of the Flowering Plants and Ferns. By J. C. WILLIS, Sc.D., F.R.S. Fourth edition, revised and rewritten. Crown 8vo. 20s net Cambridge Biological Series.

A Student's Book on Soils and Manures. By E. J. RUSSELL, D.Sc., F.R.S. Second edition, revised and enlarged. Crown 8vo. With 41 illustrations. 6s 6d net Cambridge Farm Institute Series.

BOOKS READY SHORTLY

An Enquiry concerning the Principles of Natural Knowledge. By A. N. WHITEHEAD, Sc.D., F.R.S., Fellow of Trinity College, Cambridge. Demy 8vo. 12s 6d net

Plane Trigonometry for Secondary Schools. By C. DAVISON, Sc.D., Mathematical Master at King Edward's High School, Birmingham. Crown 8vo.

Chapters I-XVI include the ordinary course of Elementary Trigonometry; Chapters XVII-XX deal with inequalities, approximations and errors, de Moivre's theorem, and series.

An Elementary Course of Infinitesimal Calculus. By H. LAMB, LL.D., Sc.D., F.R.S., Professor of Mathematics in the University of Manchester. Third edition. Demy 8vo. 20s net

A new edition, revised throughout and reset.

Britain and Greater Britain in the Nineteenth Century. By E. A. HUGHES, M.A., Assistant Master at the Royal Naval College, Dartmouth. Crown 8vo. 5s net

Suitable for the upper forms of schools.

Palmerston and the Hungarian Revolution. By C. SPROXTON, B.A., M.C., late Fellow of Peterhouse. Crown 8vo. With a portrait. 7s 6d net

A dissertation which was awarded the Prince Consort Prize in 1914.

The Measures of the Poets. By M. A. BAYFIELD, M.A., formerly Head Master of Eastbourne College. Crown 8vo. 5s net

A new system of English Prosody.

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

Cambridge University Press

EDITIONS OF BOOKS SET FOR THE CAMBRIDGE HIGHER SCHOOL CERTIFICATE EXAMINATION, JULY 1920

Author	Work	Editor	Net Price	Author	Work	Editor	Net Price
Bacon	New Atlantis	G. C. M. Smith	2/6	Tacitus	Agricola and Germania	J. H. Sleeman	4/-
Browning	Selection (1835-1864)	W. T. Young	3/6	Vergil	Aeneid VII	A. Sidgwick	2/3
Carlyle	On Heroes	G. Wherry	1/6	Herodotus	Book VIII	E. S. Shuckburgh	5/-
Chaucer	Prologue (and Knight's Tale)	M. B. Smith	3/6	Sophocles	Ajax	Sir R. C. Jebb and A. C. Pearson	5/6
Cowley	Prose Works	J. R. Lumby	5/-				
Gray	Poems	R. F. Charles	3/-				
Milton	Paradise Lost, I and II	A. W. Verity	3/-	The Book of Judges (R.V.)		G. A. Cooke	2/9
"	Samson Agonistes	"	3/6	" " (R.V.)		H. C. O. Lanchester	4/6
Shakespeare	Coriolanus	"	2/6	" " and Ruth		J. S. Black and A. W. Streane	2/-
"	"	J. H. Lobban	1/6	Isaiah, Chaps. 1-39 (R.V.)		J. Skinner	4/-
"	The Tempest	"	1/6	" " (R.V.)		C. H. Thomson and J. Skinner	2/6
"	"	A. W. Verity	2/3	Gospel according to St. Luke		F. W. Farrar	4/-
"	The Merchant of Venice	"	2/3	" " "		"	2/-
"	"	J. H. Lobban	1/6	" " (R.V.)		E. W. South	2/6
Lesage	Turcaret	A. H. Thompson	6/-	Epistles to the Colossians and Philemon		A. L. Williams	3/6
Racine	Athalie	H. W. Eve	2/9				
Schiller	Maria Stuart	K. Breul	4/6				

STANDARD TEXT-BOOKS

GEOGRAPHY

The Cambridge Geographical Text-books. General Editor: G. F. BOSWORTH, F.R.G.S.
Intermediate. By A. J. DICKS, B.A., B.Sc. Second edition. With 82 illustrations. 4s
Junior and Senior. In preparation.

A Short Geography of Europe. Reprinted from *The Cambridge Intermediate Geography*. By A. J. DICKS. With 19 illustrations. 1s

A Geography of the British Empire. By W. L. BUNTING, M.A., and H. L. COLLEN, M.A. Second edition. With maps, diagrams, and 29 illustrations. 4s 6d net

The British Isles. By F. MORT, D.Sc., F.G.S. With 79 illustrations. 4s 6d net

Cambridge County Geographies. 61 volumes now ready. 2s net each. List on application.

Elementary Commercial Geography. By H. R. MILL, D.Sc., LL.D. New edition, revised by FAWCETT ALLEN. 2s 6d net

An Atlas of Commercial Geography. Compiled by FAWCETT ALLEN. With an Introduction by D. A. JONES, 48 maps and an index. 6s net

The Surface of the Earth. Elementary Physical and Economic Geography. By H. PICKLES, B.A., B.Sc. With 64 illustrations and 34 maps and diagrams. 2s 6d net

An Introduction to General Geography. By ALEC A. GOLDING, B.Sc. With 100 illustrations. 4s 6d net

Physical Geography. By PHILIP LAKE, M.A. With 20 plates, 162 text-figures, and 7 maps. 9s net

Stories of Exploration and Discovery. By A. B. ARCHER, M.A. With 21 maps and illustrations. 3s net

The Teaching of Geography. By B. C. WALLIS, B.Sc., F.R.G.S. With 12 illustrations. 4s 6d net

HISTORY

Great Britain and Ireland. A History for Lower Forms. By JOHN E. MORRIS, D.Lit. 6s 6d net. Or in two parts, divided at 1603, 3s 6d net each. 1485-1910 separately, 5s net

History of English for use in Schools. By A. D. INNES, M.A. 6s net. Also in three parts. Part I, to 1509 A.D.; Part II, 1509-1714; Part III, 1689-1912. 2s 6d net each. 1399-1603 separately, 3s net

The Cambridge Historical Readers. A series of five books on the concentric plan. 2s 3d to 4s each.

The Story of the People of Britain. A periodic history in four books. 2s to 2s 9d each.

Exercises and Problems in English History, 1485-1820. Chiefly from Original Sources. Compiled by W. J. R. GIBBS, B.A. 3s net With key, 4s net Key, 1s 3d net

A Source Book of English History of use in Schools. By A. D. INNES. Vol. I, 597-1603 A.D. With 31 illustrations. 5s net Vol. II, 1603-1815. With 21 illustrations. 4s net

A Short History of the Expansion of the British Empire from 1500-1911. By Prof. W. H. WOODWARD. Third edition. With 10 maps. 6s 6d net

An Outline History of the British Empire from 1500-1911. By the same author. With 6 maps. 2s 6d net

A Picture Book of British History. Compiled by S. C. ROBERTS, M.A. Vol. I, to 1485. With 190 illustrations. 5s net. Vol. II, 1485-1688. With 200 illustrations. 5s net. Also in loose sheets in portfolios at the same prices.

A History of Modern Europe from the Middle of the Sixteenth Century. By JOHN E. MORRIS, D.Lit. Third impression. With 8 maps. 4s 6d net

Europe in the XIX Century, 1815-1878. By the same author. With 8 maps and 3 pedigrees. 3s net

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

Messrs. RIVINGTON'S LIST OF New and Recent Publications

Their Complete Educational List can be had, post free, on application.

LATIN.

BEGINNERS' GUIDE TO LATIN, being a First Latin Translation Book.

By GEORGE G. LOANE, Assistant
Master at St. Paul's School. 2s. 6d.

This attempts to provide a self-contained guide for the beginner of Latin. The accidence is given in small portions, and the passages for translation contain only such forms as have been so far learnt. The easier idioms are explained from time to time, and are then used in the translation. The whole accidence is thus covered and most of the elementary constructions come in.

ELEMENTARY LATIN TRANS- LATION BOOK.

By the Rev. A. E. HILLARD, High
Master of St. Paul's School, and C. G.
BOTTING, Assistant Master at St.
Paul's School. 2s. 9d.

This is not a book of Selections, but a series of pieces specially written in which the authors try to keep the principle of their other books by not introducing at any stage any construction or form which has not already been learnt. The order in which constructions and forms are introduced is that of the authors' **ELEMENTARY LATIN PROSE EXERCISES**, and parallel references are given. The subject-matter drawn upon for the pieces is mainly Roman History, and almost from the start an attempt is made to give a "continuous" narrative in each piece instead of separate sentences.

JUNIOR LATIN PROSE.

By H. J. DAKERS. Crown 8vo. 4s.

The aim of this book is to make the transition from the drill of detached sentences to the translation of simple stories as speedy as possible. There are a limited number of exercises of Sentences to give practice in the more important rules of Syntax. It is suggested that the best way of using these is to work through them orally with the pupils. These are followed by 130 short pieces, historical or mythological for the most part, for translation into **Continuous Latin**. The exercises and the **Pieces for translation** are all freely supplied with references to the **Syntax**, which it is hoped may thus be absorbed in use. Many of them have already been practically tested in class teaching, and all of them were written in Latin before the English took its final shape.

LATIN ELEGIAIC VERSE COM- POSITION.

By ROY MELDRUM, Assistant Master
at St. Paul's School. 5s.

This book of 208 pieces puts into practice the use of Latin Repetition. The selection of Latin and English passages has one common theme, so that the pupil may have a chance of collecting his thoughts to treat one theme adequately, and of becoming familiar with one set of words at a time, instead of passing hastily and in confusion from one set to another.

ELEMENTARY LATIN ELEGIAIC VERSE COMPOSITION.

By ROY MELDRUM. 2s. 6d.

Latin Version to each of the above:—
Latin Elegiac Key, 6s., postage 2d.;
Elementary Key, 5s., postage 2d.

FRENCH.

By A. R. FLORIAN,
Head Master of the Priory School, Shrewsbury.
GRAMMAR of MODERN FRENCH

3s. 6d.

This deals with the French language as it is written to-day, and covers all the ground necessary for a good knowledge of French. The examples are mainly taken from modern authors, and their names are appended to the quotations.

ELEMENTARY GRAMMAR OF MODERN FRENCH.

2s. 6d.

This is an abridgment of the above Grammar suitable for pupils during their first three years of French.

FRENCH EXERCISE BOOKS.

[Ready shortly.]
Forming companion volumes to the above
Grammars.

POÉSIES, FABLES ET CHANSONS for REPETITION.

With Notes, Exercises and Vocabulary
for use in Lower and Middle Forms.
Edited by BASIL READMAN, M.A.,
Assistant Master at Eton College.
4s. 6d.

SENTENCES FOR TRANSLA- TION INTO FRENCH, ILLUS- TRATING GRAMMATICAL RULES.

For Middle and Upper Forms. By
A. W. STREET, B.A. (Lond.) and
ARNOLD LEE, B.A. (Camb.), Modern
Language Masters in King Edward's
High School, Birmingham. 2s. 6d.

LE FRANÇAIS PAR L'EXEMPLE ET LES TEXTES.

Par C. L. ALBERT BONNE, Professeur
certifié de langues vivantes (Ministère
de l'Instruction Publique), French
Master at Bradford Grammar School.

LIVRE IV. *La Famille Brison, Contes
et Récits.* 2s.

This forms an introduction to Conversational French as well as a revision book. While the book contains no formal grammar, the lessons have been composed with a view to illustrate grammar rules. A large number of everyday idioms have been introduced.

By F. VICTOR MASSARD,
Senior French Master of Hamilton Academy, N.B.

A FRENCH GRAMMAR.

For pupils who have been studying
French for two or three years.

By F. VICTOR MASSARD and CHARLES
DURNO, M.A., Assistant Master at
Hamilton Academy. 4s.

A FRENCH EXERCISE BOOK,
forming a companion volume to the above
Grammar. 2s. 6d.

MATHEMATICS.

SCHOOL MECHANICS.

Part I. **School Statics.** 6s.
Part II. **School Dynamics.**

[Ready shortly.]

By W. G. BORCHARDT, M.A., B.Sc.

The earlier chapters of this book are suitable for beginners at the subject, while the later ones will be found sufficient for the Higher Mathematics for entrance to Woolwich, and for the Senior Cambridge Local Examination.

The Examples are almost entirely numerical, and have been made as *practical and interesting* as possible.

There are numerous Diagrams and the Principles of the subject are *illustrated by experiments*. It is so arranged that the practical work can be performed either by the student or the teacher. Sets of extra Laboratory Problems and Test Papers are given at the end of each part. In Part II (School Dynamics) chapters are given on Simple Harmonic Motion and Rotating Bodies.

ELEMENTARY CALCULUS.

By C. H. P. MAYO, M.A., Senior
Mathematical Master at Harrow School.
With numerous Diagrams. With and
without answers. 10s.

The aim of this book is (1) to be thoroughly modern and teachable; (2) to develop the rules and processes of the Calculus, and at once to show their applications by interesting examples.

CONTENTS: Definitions and Limits—Differential Coefficients—The Use of a Differential Coefficient—Maxima and Minima Values—The Functional Notation—A Function of a Function—Circular Measure—Polar Co-ordinates—Second and Higher Differential Coefficients—Further considerations of Maxima and Minima Values—Small Errors and Approximations in Measuring—The Differential of an Arc of a Curve—Curve Tracing—Rolle's Theorem—Integral Calculus—Application of the Integral Calculus to Physical Problems—Reduction of Integral to Standard Forms—The Length of an Arc of a Curve—Solids of Revolution—Successive Integration—Further Application of the Integral Calculus to Physical Problems—Differential Equations—Cusps, etc.

RELIGIOUS INSTRUCTION.

THE PASTORAL EPISTLES.

A Commentary based on the Greek
Text of the Revisers' Translation.
By the Rev. A. E. HILLARD, D.D.,
High Master of St. Paul's School.
10s. net.

THE NEW TESTAMENT FOR SCHOOLS.

The Text of the Revised Version, with
Introductions and Notes and Maps to
each volume. Edited by the Rev.
A. R. WHITHAM, M.A., Principal of
Culham College, and Examining
Chaplain to the Bishop of Oxford and
the Primus of Scotland.

St. Matthew's Gospel. 3s. **St. Luke's
Gospel.** 3s. **St. Mark's Gospel.** 2s. 6d.
The Acts of the Apostles, Part I, Chaps.
i-xv, 2s.; Part II, Chaps. xvi-end, 2s.; or in
one Vol. 3s. 6d.

The HISTORY of the CHRISTIAN CHURCH,

to the separation of East and West.
By the Rev. A. R. WHITHAM, M.A.
6s. net.

RIVINGTONS: 34 KING STREET, COVENT GARDEN, LONDON, W.C.2

CONTENTS.

	PAGE
OCCASIONAL NOTES	575
THE GIRTON JUBILEE	578
THE BOARD OF EDUCATION AND COMMERCIAL IN- STRUCTION	578
SCHOOL PUNISHMENTS. BY W. F. BUSHELL—II (con- cluded)	579
PERSONAL PARAGRAPHS	580
TOPICS AND EVENTS	582
BOOKS OF THE MONTH	588
THE CO-OPERATION OF HOME AND SCHOOL. BY DR. H. E. PIGGOTT	593
CORRESPONDENCE	595
Determination of the Rates of Diffusion of Gases; Reading and Education; R.A.F. Cadet College Entrance Examination, 1920; A Warning.	
FOREIGN AND DOMINION NOTES	596
UNIVERSITIES AND SCHOOLS	598
PRIMARY SCHOOL NOTES	610
PRIZE COMPETITIONS	612
REVIEWS AND MINOR NOTICES	627
A Short Italian Dictionary (Hoare); A New Italian Grammar (Grillo); A Rapid Italian Course (Ripman); Italian Grammar Self-taught (Panagulli); The Undying Fire (Wells); The Oxford History of India (Smith); Essays in Common-sense Philosophy (Joad); The Voyage of a Vice-Chancellor; &c.	

OCCASIONAL NOTES.

ON July 31 the London County Council presented to the King an address of congratulation on the conclusion of peace. The King's gracious and comprehensive reply touched upon the numerous activities of the Council, and included the following reference to the work of the London Education Committee:—"I am convinced also that nothing is more essential to national prosperity and happiness than education. The potentialities—physical, mental, and spiritual—of every member of the community should be developed to their fullest extent. A true education would embrace all these, would cultivate them all in due proportion, and would transform our national life in a generation. I appeal to you, and through you to all Education Authorities, to keep this great ideal continually in view." Such earnestly expressed sympathy should do much to encourage Local Education Authorities, and to stimulate them, their teachers, and their officials in the important work of providing all possible facilities for the education of the children and youths under their care—work which will contribute more than anything to the national well-being.

MR. FISHER'S remarks at Blackpool at the beginning of the month have considerably cleared the air. He did not, it is true, announce the appointed day for the Continuation School clauses of his Act, and, until that is done, the friends of the measure may not fold their hands. But he did say that he thought it would be safe to ask the Local Authorities to bring the change into effect by the autumn of 1921. The cautious phrasing

was probably dictated by a desire to see what the Local Authorities and the general public have to say to the suggestion. The general public have already made up their minds that this thing must be, and the Local Authorities will agree that the two years' interval gives them sufficient time to make their arrangements. The opponents of the scheme remain to be reckoned with. It should not be a difficult score to settle. The opposition has been mainly underground. We can call to mind no important section of the nation which openly dissents. Now that the President has taken his stand, there must be an end to the hostile insinuations and suggestions to which we have referred from time to time in this column. So we shall expect when Parliament reassembles to hear that August 1, 1921, is the appointed day. Then—and, as we hope Mr. Fisher realizes, only then—can the laborious task of preparation be begun in earnest.

WE have received a memorandum, comparing the salary scales and the present actual remuneration of teachers, in certain administrative areas. It appears from these figures that, under present conditions, scales of salary afford very unreliable information as to the amounts paid. In nearly all the areas to which the return relates the scale of salaries is approximately the same, but the differences in the emoluments actually paid to teachers of the same grade and period of service are remarkable. For instance, a certificated assistant master, with ten years' service, receives £187 in one area and £221 in another; while, if certain proposals now under consideration by a neighbouring Authority are adopted, he would be paid in that area £251. The salary of a certificated assistant mistress with, say, five years' service, is £126 in a county and £171 in an urban district within the county. The salary paid to assistant teachers invariably determines the remuneration of head teachers, and the lack of anything like uniformity of treatment is due to independent action on the part of Authorities in the attempt to satisfy recurrent demands. That teachers in one area are much worse off than their contemporaries in a neighbouring district naturally causes unrest and agitation.

IT can be only with reflections of unqualified regret, however, that those concerned in the business of education hear of strikes on the part of teachers in different parts of the country. We stand, as always, for the full recognition of the value of the teaching service and for the adequate remuneration of those who enter it. But we do not believe that it is consistent with the dignity of the profession, nor in accordance with the ideals of conduct and discipline it should represent, for teachers, as a body, to attempt to enforce their claims. That the claims may be legitimate does not, in our view, affect the wider issue. The President of the Board of Education has done more, perhaps, than any of his predecessors to provide for better conditions and prospects for all grades of teachers. Unfortunately, of course, his efforts to establish better salary scales have been complicated by the abnormal economic conditions due to the War. The cost of necessities has more than doubled, and the rewards of manual labour have been correspondingly increased; the lot of the policeman has been substantially improved; Civil Servants are receiving a liberal War bonus; and the proportion of those with incomes beyond

the "dreams of avarice" shows a remarkable advance. Mr. G. W. Currie, M.P., for instance, has informed us that, while in 1909 there were 11,000 persons with incomes of £5,000 and over, the number is now 18,000. It is only exceptionally, no doubt, that the claims—or, we may say, the needs—of teachers have been admitted in equal proportion to those of other servants of the public. Consequently, the position of affairs is extremely unsatisfactory, and we are glad to note that the President of the Board is now taking appropriate action.

THE Joint Standing Committee of Representatives of Local Education Authorities and of the National Union of Teachers now set up under the auspices of the Board of Education "to solve the salary problem in public elementary schools by agreement on a national basis" is, in fact, a Joint Advisory Committee. The results of its proceedings will be looked for eagerly, not only for economic reasons, but also from a desire to know how far a merely advisory committee, even with the influence of the Board behind it, can succeed where many teachers would have preferred a Whitley Council. The Joint Standing Advisory Committee will consider questions and differences between the Committees and the teachers, act as conciliator and arbitrator between the same bodies, or select such intermediaries, and co-operate generally in matters affecting elementary education. Finally, various county and municipal authorities have already set up similar committees in their own areas, with the difference that in these cases the personnel of the teacher side usually includes representatives of teachers engaged in higher education.

OF these local advisory committees probably the most closely watched will be those in Manchester and in the West Riding of Yorkshire. The scope of the latter, which is open to criticism, and for this very reason is interesting, includes general principles relating to curriculum and organization of schools: the connexion between schools and colleges of different types—elementary, secondary, technical, continuation, training, and University; salaries; attendance of children; and planning and equipment of school buildings. It differs from many such committees in that its constitution—8 elementary, 4 secondary, 4 technical, &c., members on the teacher side, against 8 members of the Education Committee, plus 4 experienced educationists on the other side, instead of the usual equality of numbers—gives a preponderance to the presumably professional element. Not all such committees are, however, so fully representative of all types of education. Bournemouth has formed an Advisory Committee for elementary education only; in Durham, the secondary-school teachers have accepted such a committee and actually nominated their representatives, whereas their elementary-school colleagues are standing out for a Whitley Council. Advisory committees are, of course, frankly a compromise. It remains to be seen how far the moral weight behind their recommendations can compensate for their lack of the "obligation of observance" which their rivals, Whitley Councils, would possess.

THE Board of Education's Circular 1124, dated August 2, sets forth once more the extreme gravity of the position as regards new entrants to the elementary

The Shortage of Teachers.

teaching profession. In January 1915 (the latest date for which the figures are available) there were about 150,000 adult teachers, and, as it is calculated that the normal annual "wastage" is about 6 per cent., 9,000 new entrants should be annually forthcoming. Yet the figures for 1918 were considerably less than 6,000. But this is by no means all. The demands of the Act of 1918, including the abolition of exemption from attendance under fourteen years of age, and the replacement of teachers withdrawn for work in continuation, secondary, and nursery schools, will, if properly met, mean an additional 6,000 teachers per annum for fifteen years to come. The total number of entrants required, therefore, unless the Act is to be more or less a dead letter, is about 15,000, or more than double the number now supplied. One of the Board's objects in issuing the new Circular is to emphasize anew the different spirit which, after allowance has been made for diverse conditions, seems to animate different Local Authorities in regard to this all-important question. In particular, London, and the county boroughs, boroughs and urban districts on the London border, Lancashire and Cheshire, and Birmingham and its neighbourhood, draw the main part of their staff from other parts of the country, themselves contributing only a miserably inadequate supply of new entrants. Again, why should Sheffield's percentage be four times that of Leeds, Birkenhead's four times that of Stockport, &c.? All the evidence goes to show that some authorities have been thoroughly slack in the matter of the supply and training of teachers.

THE fall in the number of candidates for the teaching profession has, as the Board's figures show, been going from bad to worse for ten years past. When one looks back over those years, there is no need to search for the causes of the inadequacy of the supply. There has been only one cause worth mentioning, and that is the unattractiveness of the teaching profession as compared with other openings for promising boys and girls—boys especially. So much has this cause operated that secondary-school masters have commonly been unable to reconcile it to their consciences to recommend an able boy to become a teacher. But the present outlook is of course distinctly brighter. Salary scales have improved and are improving; and the existence of a liberal pension scheme will go far to influence parents who are at the stage of finding an opening for a boy. It should at this moment be a chief care of every Local Authority, including Part III authorities (to which, by the way, the Board address a pointed reminder), to do everything possible to bring to the notice of parents the improved prospects now open to teachers, and the facilities offered to assist boys and girls to become teachers. We would add that any Authority which does less than its duty in helping young teachers through the expensive stage of college training ought to be drastically penalized. The position is very critical. At present we are far from holding our own. As for new developments, the Act of 1918 will be reduced to waste paper unless this question of questions is boldly and thoroughly tackled.

The Duty of Local Authorities.

THE question of *real* music teaching in schools is once more brought into prominence by a circular letter signed by the members of the Committee of the

The Teaching of Music in Schools.

Union of Directors of Music in Secondary Schools, a copy of which has been sent to all preparatory schools. From the same Committee an appeal was made some years ago to establish sight-singing classes in preparatory schools, and, although some schools took up the subject with enthusiasm, the results, on the whole, were disappointing. Parents themselves are, we fear, too often the stumbling-block on the road to real reform in the matter of musical education. Immediate results are expected from all who learn music. The boy or girl must have a piece or two to play at the end of the first term, and the unfortunate music teacher resorts to "cramming" methods, at the very time when a real foundation of musical education ought to be laid, *i.e.* between the ages of nine and thirteen. True musical education should comprise mastery over the elements of notation and all things connected with it, the awakening of the aural faculty to the fundamentals of time and pitch; sight-reading should form a part of every class or individual lesson, and voice production should be taught in the singing class. Music is, as a language, universal, and we should, at any rate, see that its alphabet is learned and its first principles properly applied during the impressionable years of school life.

WE have referred on a previous occasion to the position of the School Medical Service under the Ministry of Health, and expressed the hope that in connexion with the schools the new Ministry will discharge its responsibilities in consultation with, and through, the Board of Education. The draft regulations for the training of health visitors, issued by the Board of Education, implies that concerted action is contemplated. The Board understand that the Ministry of Health have decided to lay down the general principle that all persons hereafter to be recognized as health visitors should have been through a special course of training approved for the purpose. They recognize that existing health visitors cannot reasonably be required to undertake training, though a number may be desirous of doing so, and may probably be granted facilities for the purpose by their Authorities. New *entrants* to the profession, however, will be expected to undergo an approved course of training, the grants available for Local Authorities being conditional upon the employment of qualified persons. It is proposed to make provision for the recognition of two types of health visitor—namely, those who have taken a full course of two years' duration and persons already possessing a substantial knowledge or experience who have been trained for one year. The school health visitor does not at present receive more than a modest recompense for her services. When qualified, as proposed, she will be entitled to expect a rate of remuneration at least equal to that of a certificated teacher.

Psychological Tests and Examinations.

THE question of substituting psychological tests for examinations is again brought to our notice by Dr. I. L. Kandel's pamphlet on "Education in Germany during the War," a document just issued by the United States Bureau of Education. So vitally are the schools of Germany connected with the State that the recent upheaval could not fail to bring their educational system under the closest scrutiny of the

nation and its leaders. Attention has mainly been directed towards the breaking down of the barrier between the elementary schools and the higher schools. The attempt to remove it altogether by the establishment of a common school system, as in America, has failed, and, by way of compromise, the brightest children in the elementary schools are being given, as in England, a free secondary-school training. But the method of selection is not by scholarship examinations, as with us, but by a system of psychological tests applied by skilled psychologists. We are not told precisely what the tests are: we are simply told that they test "attention, concentration, memory, wealth of ideas, judgment, and observation"—a description vague enough to fit anything. A simple composition exercise, rightly chosen, tests all these, and more. As, however, all other secret tests of intelligence have ultimately turned out to be nothing but an extension of Binet's intelligence scale, we may safely assume that these German tests are of the same kind. We may further assume that the children so selected are few in number, for the tests have to be given individually, and each case takes up from half an hour to an hour, and there were apparently only two psychologists at work in 1917, selecting the specially gifted children in the whole of Berlin. Dr. Kandel does not tell us what has happened since the Armistice. We shall probably hear more about the psychological tests; we shall certainly hear more about the *Einheitsschule*, or common school movement.

FOR several years before the War swimming was gaining steadily in favour among both sexes, and during the War splendid progress was made by women swimmers, especially in the art of life-saving. With the resuscitation of swimming clubs following on demobilization, the existing facilities for swimming are likely to prove inadequate in most towns. If swimming is to be included in school courses of physical instruction, as provided for by the Education Act of 1918, it seems probable that many Local Education Authorities will have to take advantage of the clause in the new Act which empowers them to establish school swimming baths. In such cases the Authorities concerned cannot do better than consult the pamphlet on "School Swimming Baths," compiled and published by the Education Committee of the Amateur Swimming Association (obtainable on application from Mr. F. Baxter, 46 Birch Lane, Longsight, Manchester). Two designs for baths planned by specially qualified architects are included in the pamphlet, and suggestions are made as to situation, accommodation, oversight, and so on. It is a great benefit for a school to possess its own bath, for comfort and efficiency alike demand that instruction of children should not be carried on in the presence of the bathing public.

EXHIBITION OF FRAMED WALL PICTURES.—It is proposed to make an exhibition of framed wall pictures a special feature of the North of England Education Conference which is to be revived at Southport on January 8, 9, and 10 next, when Mr. Fisher will give the inaugural address. The Corporation Art Gallery will be available for the display of pictures, and, as in the past England has been so largely dependent on Germany for its school pictures, it is hoped that British firms will take the opportunity of showing of what they are capable. Full particulars can be obtained from Mr. Wm. Allanach, one of the Joint Honorary Secretaries, at the Education Office, 2 Church Street, Southport.

THE GIRTON JUBILEE.

THE Jubilee celebrated at the close of last month, July 26, at Girton, earliest of women's colleges, marked the culmination of an era. Coinciding, as it aptly did, with the national peace celebrations, it was itself a manner of celebration of peace and victory. The history of women in the past fifty years has been essentially one of struggling endeavour towards wider opportunities; that of the first women's college is an outstanding episode, perhaps even the main thread, in that history. And success, even recognition, has crowned the endeavour. In place of a little group of students sheltering at Hitchin, admitted on sufferance and by the kindness of individual professors to the University examinations, there is the large College at Girton, two miles only from Cambridge, with the sister College, Newnham, yet more nearly within the precincts. Their students have the right, by University decree, not only to take all Tripos examinations, but also to have their names published in the class lists—the actual degree alone is lacking.

The celebrations were in the form of a garden party in the afternoon and a dinner in the evening—the first for friends and visitors as well as students, the latter confined to former students. The Queen graced the occasion, not indeed by her presence, but by a message of felicitation; the Minister of Education, Mr. H. A. L. Fisher, as also the Vice-Chancellor of the University, attended the garden party and made addresses. Mr. Fisher's speech struck a note of happy augury. After dwelling upon the benefits the country had received from women's colleges, the raising of the standards in secondary education, the leadership and training for those engaged in war work, the preparation for new civic responsibilities, he expressed the hope—diplomatically veiled, but unmistakable—that the Universities of Oxford and Cambridge would shortly confer degrees upon women. Women had inexplicably, to the mind of this Oxford scholar, chosen Cambridge for their first foundation. Oxford might take a sweet revenge by being first to admit women to degrees and full membership.

The hope that the two older Universities, whichever of them be first in the field, may indeed, this year of the first women's college jubilee, convert their hard-won recognition of women students into full and free welcome is one that all forward-looking men and women must entertain. Undoubtedly the future of the women's colleges is in the balance. At this turning point in their history, when they are looked to as never before to guide and train the young womanhood of the nation, it is to them a momentous question whether they are to take up their responsibilities with enlarged authority and new dignity or must still tarry on sufferance at the confines of the ancient seats of learning.

The material needs of Girton and other women's colleges, drawing neither from old endowments nor from Government grant, dependent in the main upon very moderate students' fees, were also touched upon by Mr. Fisher in his address. The speeches at the more intimate reunion of *alumnae* at the dinner omitted consideration of future needs—moral or material—to dwell upon achievements of the past and upon the links that knit together guests of widely different years and occupation. The Mistress, Miss Jex Blake, was greeted with a prolonged ovation that testified to the warm affection felt for her by those many generations of *alumnae* who had known her during her long association with the college. She dwelt upon the opportunities of usefulness afforded to students during the war, touching in this connexion upon the services of Mrs. Ayrton, whose scientific discoveries had enabled her to construct an invaluable fan for the dispersal of poison gas. She struck one note of sadness, reminding the listeners of the loss of another eminent science student, Miss Ethel Sargent, whose researches in botany had won for her the distinction of addressing the British Association, as also that of being chosen Honorary Fellow of the College. In conclusion, she expressed the feelings of all the guests by thanking the actual students, up for the vacation term, who

were present not as diners but as attendant "orderlies," and whose voluntary and very efficient services had made entertainment on so large a scale possible and even easy.

The chief guest of honour, Miss Lumsden, last survivor of the little band of Girton pioneers, and pioneer again in the field of secondary education, recalled the early days at Hitchin—her clear and melodious voice belying her seventy-eight years and testifying to the health-giving power of useful energy and sustained interest in life. Time did not admit of speeches from the many distinguished women who were present from subsequent years: Miss Maynard, of Westfield College; Miss Dove, of St. Andrews and Wycombe Abbey (Mayor of her township, had the votes of her town been able to appoint her); Mrs. S. Arthur Strong (Eugénie Sellers), of the British School at Rome, holding the only real Fellowship the College can as yet boast; Mrs. Ayrton, already mentioned; Miss A. M. Anderson, O.B.E., of the Home Office... it becomes invidious to enumerate. The task of proposing the health of the Mistress was very fittingly entrusted to one of a younger generation, Mrs. Runciman, and a last toast to the Old Students, proposed by the present senior student and leader of the "orderlies," closed the festivities for the evening. On the Sunday a commemorative service was held in the Chapel.

The note sustained throughout was that of generous welcome, with a lavishness of hospitality the more marked by contrast to the somewhat Spartan economy ordinarily exercised perforce by the College. The occasion was felt and treated as one of rejoicing, and not, as anniversaries so often are, one for enforcing claims. Girton students have indeed shown themselves ever ready to recognize to the full capacity of their generally limited means the claims of their College. Those present at this Jubilee were unwilling to let so momentous an event pass without at least some slight expression of gratitude, and decided to make a presentation to the Mistress, inviting all old students to join with them in the gift, of a sum to be added to the nucleus in hand for a studentship, or in whatever other manner she should think fit for the benefit of the College.

THE BOARD OF EDUCATION AND COMMERCIAL INSTRUCTION.

THE Board of Education, by issuing Circular 1116,* a Memorandum on Commercial Instruction in Evening Schools, have for the first time given a lead to those engaged in commercial education. The contents of the Memorandum seem to justify the use of "education" rather than "instruction." "Since commerce is a department of human intercourse, the study of commerce is a study of one aspect of society. Commercial science, therefore, is a social science, and its study has the advantage of being at once scientific in method and humanistic in content." Here, then, is the opportunity for education, and, if instruction only is given, then teachers, inspectors, and organizers are at fault.

The Memorandum lays down the principles upon which courses should be founded. They should be designed to consolidate a knowledge of the fundamental arts of calculation and expression, whether in speech or writing, and to train students more thoroughly in the use of books and other instruments of knowledge; for, if proper subject-matter be chosen for calculation, composition, and reading, and suitable methods are followed, students will be trained to think effectively upon matters relating to their daily working life. The second aim is the acquisition of such practical knowledge and skill as can be acquired in a school and cannot be acquired

* Memorandum on Commercial Instruction in Evening Schools. Board of Education Circular 1116. (9d. net. H.M. Stationery Office, Kingsway, W.C.2.)

completely, if at all, during the daily routine of commercial life. The third object is to teach students to think effectively about commerce, and, that this may be done, the definite study of commerce as a whole must be introduced.

Following the statement of aims comes a classification of courses according to grade, into Junior, Senior, and Advanced, followed by curricula appropriate to the different grades. In these there is little that is new; the usual subjects appear grouped and stressed according to the purpose of the particular course. Schemes of work complete the Memorandum.

In the Junior Course, English takes the foremost place, and rightly; it has a good claim for recognition in both senior and advanced courses. "Those have the best command of English who from birth have lived in an environment where accurate language, a copious vocabulary, a pure pronunciation, and the habit of reading are characteristic. All that can be done in a school is to reproduce these conditions, so far as is possible. The pupils should be enabled to read good English, to hear good English, and should be practised with a view to their speaking and writing good English." "One cannot write or speak worthily, however, without having something to say. And the stock of knowledge possessed by the average student in a junior course is comparatively small. The basis of the study of English in an evening school, therefore, should be the study of a book or of books."

Arithmetic, bookkeeping, geography, and business economics find their places in nearly all the courses. Arithmetic is satisfactorily cut down to necessary calculations, the applications of proportion being specially stressed. Three methods of approaching the principles of accounts are noticed. The first, that of journalizing all transactions, is out of date, and teachers who use it for anything but an illustration of the historical development of the subject must surely be back numbers. The second approximates most nearly to the actual order in which the records of a transaction are made in the books of a firm. The third goes directly to the heart of the matter, and, when the principle is appreciated, adds the practical details of the various stages in making the formal record. The detailed treatment suggests that the Board's Inspectors have found good reason for their existence.

The paragraphs on Business Economics are among the most suggestive in the Memorandum, and every one engaged in commercial education would do well to read them carefully; it is impossible to do justice to them in a few lines. A business economics syllabus must depend on local conditions—and on the teachers. Educated teachers, with experience of, if not of actual working experience in, commerce are a necessity; they must be trained, and, when found and trained, they must be retained; lucrative appointments in commerce must not be more attractive than the teaching service of the country.

SCHOOL PUNISHMENTS.

By W. F. BUSHELL.

II.

THAT brings me to another point. All masters should be responsible for their own punishments; they should very rarely give them into the hands of others. There are still schools where punishments, like extra drills managed by the school sergeant and extra schools run by the different masters in turn, do exist; and these functions contravene what I lay down as my next rule, that a master should be responsible for his own punishments. This I hold for two reasons: first, for the sake of the boy; and, secondly, for the sake of the master.

First, for the sake of the boy. Surely a boy will see that the master is really in earnest if he is prepared to sacrifice his own leisure and really take trouble by keeping the boy in or otherwise managing the punishment himself. Surely he will see that what the master really cares about is his (the boy's) interests? In such a case, can anyone doubt the

success of the punishment as a preventive factor and its consequent effect on the boy? Secondly, for the sake of the master; surely it induces a much more pastoral attitude on his part? It is so easy to say that the boy shall attend three drills on three successive days; it means only a word to the school sergeant perhaps and then the responsibility is his, but does it give the least chance to that imagination in punishment which I have so strenuously advocated? Functions like extra school for turned work, unless very carefully used, are liable to equal abuse; for surely a boy's work is often bad because either he is bottom of his Form and is hardly up to the standard or because he has failed to understand something in the written or oral exercise he has had to show up. Certainly bring the boy in; but let the master bring in himself as well, and go through the work again and again until the boy does understand, and until he can and has reproduced it to the master's satisfaction.

Turned work must always be said properly; no master would have it otherwise. But it is often unjustifiable to put a boy into an extra school at no trouble to ourselves, for, after all, we must not forget that the boy's failure may be due to the imperfection of our own teaching. This point—*i.e.* the responsibility of a master for his own punishments—I have treated at some length, for I believe it to be a doctrine which, if universally adopted, would do a great deal ultimately to lighten the burden of punishments in all schools, and it is probable that the list of punishments is by no means a bad criterion of the efficiency of the school. But, answers the critic, this doctrine that, as a general rule, the master should be responsible for his own punishments, implies that he has sufficient leisure to do so. It is notorious that a schoolmaster tends to be overworked, and even though such a plan may be ideal, it is impracticable. To that I would answer that one of the best and busiest schoolmasters I have known held to this doctrine and carried it out most effectively; there were certain times when boys would come to him for turned work and the like, when he was perfectly prepared to devote himself to the explanation of difficult work for the incapables. And, even though it is, as I have said, notorious that a master has plenty to do, yet it is equally notorious that it is the busiest man who can find time for something fresh. I am sometimes appalled at the end of the day to think of the amount of time I have wasted, and I never think I am really busy until I spend the odd five minutes before dinner in tidying my books, an occupation for which, in my less busy periods, I seem to find no time. It would be wrong to deceive ourselves. There is always time to hear turned work or go through some work out of school if we want to do so.

How about equality in punishments? Justice is, of course, absolutely essential, and if any feeling of injustice has been left in a boy's mind it is almost certain that the punishment will have done far more harm than good. In the bigger things, if they occur, it is doubtful whether variability in punishment is possible or desirable. Of course, there is much apparent variability depending on the boy's position in the school; but, granting the existence of this, and granting the boy's perception of this, there is probably seldom a case among bigger things where injustice rankles. But in the case of smaller things, what I have called the secondary punishments, I do not believe that variability matters nearly so much. Boys unconsciously recognize that the punishment is being made to fit the crime, and, above all, to fit the individual. Of course, for the master who is really unjust I have no sympathy, and the sooner he deserts his profession the better.

Then what is the use of the exhortation, the so-called quiet talk? It depends, of course, on the exhortationist. The master who maintains his discipline by telling the boys, as Mr. Benson says, to remember what their mother would say if she saw them, would certainly do more harm than good, but the ordinary private exhortation by a sensible man, the "dressing down" call it if you will, is worth a good deal. The memory of boys for such things is almost phenomenal, and I would say that there are many readers

of this who can well remember every word that was addressed to them as boys, in some such talk in the privacy of the master's study. In the comparatively small world of school there are few events which leave such an impression upon a boy's life, an impression which he will very often not show, but an impression which will all the same be there. Here, as always, personal influence must count for much, and a word in season is a weapon in the hands of a house master whose value can hardly be exaggerated.

There is another question, the undetected fault—or, better still, the fault that has been traced to one of twenty or thirty boys, of whom it is impossible to make one show up. Are we justified in punishing the whole in lieu of the surrender of the offender? The mere threat is generally sufficient to make the offender declare himself, but can we justify the threat? If the worst comes to the worst are we prepared to justify our punishment of the whole body, 90 per cent. of whom are probably innocent? Thring, of Uppingham, one of the greatest of head masters, was, it is said, prepared to justify it; in fact, he went further, and even if he knew the culprit would sometimes punish the whole Form for the fault of one, holding that the public spirit of the Form should have been such that the fault should have been impossible. This was in many ways a fine attitude to adopt, and was probably the best way of inculcating the public spirit he desired; but the other question, the question of virtually compelling a boy to own up by threatening otherwise to punish his friends is on a different basis, as there are elements of injustice and meanness attached to it. On the other hand, the apology for it seems to me to be mainly on the score of necessity, while at the same time there is often a bond of tacit understanding that the boy shall get a lighter punishment. Such a bargain works well on the whole, and is a gain to both sides. One must remember, however, that such general punishments undoubtedly cause irritation, and by this I mean undesirable irritation; the innocent are rarely prepared to suffer for their brethren and companions' sake, and I suspect that this irritation is caused by the feeling that the punishment is to some extent unjust, which in fact it is. The inculcation of a public spirit by holding all responsible is ethically based on high principles, but obviously discretion must be employed. High principles are to some extent a result of growth, and thus must be fairly recognized.

My last point is the question of punishment as it affects senior boys, such as school monitors. Some time ago we were reading some correspondence in the halfpenny press as to the expulsion of a school monitor who had been detected in getting out of his house at night. On that particular case I cannot, of course, say anything, as I do not know the circumstances on which the school authorities, rightly and properly, said nothing. Dignity is always better than publicity. What, however, the correspondence really brought to light was the intolerable view of the functions of school monitors which was apparently held by some of the outside public. They were said to be officials appointed to spy on the boys in order to save the masters trouble. Such a belief shows little knowledge of the origin of the system.

Well, we have got to admit, with this case and perhaps others in view, that school monitors will sometimes do wrong. It is necessary, however, to remember (1) that the most extraordinary care must be exercised in creating school monitors; (2) that there are schools where the monitorial spirit is such that practically not even the small offences will be committed by them; (3) that this is the ideal for which all schools should strive; (4) that it should be made absolutely clear to all boys that they are being given these responsibilities, and the consequent privileges, because it is felt that they will act in complete harmony with the more vital wishes of the head master of the school.

I have an enthusiastic belief in the advantages to be derived from secondary education, but I have a still more enthusiastic belief in the special character training that it gives to a monitor, and I think it is imperative that it should be made clear to such that, to whom much is given,

from them much is expected. It should be regarded as impossible that they should do wrong, and it should be regarded as impossible that they can be punished. Such a belief, freely expressed, as to the essential integrity of human nature, will go a long way to foster it, and will, I aver, meet with a response that even the pessimist may admire.

If something does go wrong? Well, we must admit that the school has not reached its ideal, but let us recognize the lapse as an eccentricity on the part of the culprit. Not an eccentricity that can be passed over, for in such a case the monitor must be held more blameable than the ordinary mortal; but let us not condemn the whole body of monitors or withdraw one iota from the position of belief in monitorial nature. And I doubt if any satisfactory punishment in such a case is possible except by deprivation of office.

(Concluded from page 534.)

PERSONAL PARAGRAPHS.

THE death of Principal T. F. Roberts, of the University College of Wales, Aberystwyth, at the age of fifty-nine years, on August 4, will be deeply regretted by all interested in education in the Principality. The late Principal was a native of Aberdovey and was educated at the local elementary school and afterwards at the Towyn Academy. When only fourteen he entered Aberystwyth College—the youngest student in the annals of that institution. In 1877 he was awarded the first open classical scholarship of £100 per annum tenable for five years, awarded in the joint examination of Lincoln and St. John's Colleges, Oxford, and took up residence at St. John's. He passed through a distinguished career at Oxford, taking First Class Honours in Classical Moderations and First Class Honours in Lit. Hum. In 1883, when only twenty-three, he was appointed the first Professor of Greek in the then newly-established University College of South Wales and Monmouthshire, Cardiff. During his tenure of office at Cardiff he took an active part, not only in promoting the welfare of the College, but also in furthering the interests of Welsh education generally. His work at Cardiff will be long remembered with affection and pride by the students to whom he imparted through the medium of the classics something of that selfless devotion and idealism which was so strongly characteristic of his rare personality. In 1891 he was appointed Principal of the University College of Wales, Aberystwyth, on the resignation of Principal T. C. Edwards, and retained this position up to the time of his death. Principal Roberts has been a most prominent figure in Welsh educational movements during the past thirty years. Having passed through the general experiences of the youths of Wales in their quest for knowledge, he had a keen insight into their needs, and was thoroughly conversant with the difficulties to be overcome in the provision of facilities to meet the growing demand for higher education. He took part in the conference which drew up the Charter of the University of Wales. He was the first Chairman of the Cardiganshire County Governing Body of Intermediate Schools, and was a member of the Cardiganshire Education Committee, and of the Council of St. David's College, Lampeter. He was also a member of the Council of the National Library of Wales, of the Executive of the Central Welsh Board, and of the Joint Board of Legal Education for Wales.

* * *

MISS JANET E. GOSNELL, Head Mistress of the Girls' Grammar School, Hitchin, has retired after thirty years' continuous service. The sincere affection and esteem which she has never failed to inspire in the members of her staff and in the girls who have been under her care was clearly shown at the summer meeting of the Old Girls' Club—the

(Continued on page 582.)

BLACKIE & SON'S BOOKS for OXFORD LOCAL EXAMINATIONS, 1920.

EDITIONS OF SET BOOKS.

SENIOR.

SHAKESPEARE.

- Julius Caesar.** Warwick Edition. Edited, with Introduction, Notes, Glossary, &c., by ARTHUR D. INNES, M.A. 2s. net. Plain-text Edition, 7d.
- The Merchant of Venice.** Warwick Edition. Edited, with Introduction, Notes, Glossary, &c., by H. L. WITHERS. 2s. net. Plain-text Edition, 7d.
- Twelfth Night.** Warwick Edition. Edited, with Introduction, Notes, Glossary, &c., by ARTHUR D. INNES, M.A. 2s. net. Plain-text Edition, 7d.
- King John.** Warwick Edition. Edited, with Introduction, Notes, Glossary, &c., by Prof. G. C. MOORE SMITH, Litt.D. 2s. net. Plain-text Edition, 7d.
- Midsummer-Night's Dream.** Warwick Edition. Edited, with Introduction, Notes, Glossary, &c., by E. K. CHAMBERS, M.A. 2s. net. Plain-text Edition, 7d.
- The Tempest.** Warwick Edition. Edited, with Introduction, Notes, Glossary, &c., by F. S. BOAS, M.A. 2s. net. Plain-text Edition, 7d.
- Browning—Strafford.** Edited, with Introduction and Notes, by AGNES WILSON. 1s. 6d. net.
- Scott—Ivanhoe.** Edited, with Notes, by R. J. CUNLIFFE, M.A., LL.B. 2s. net.
- Arnold—Sohrab and Rustum.** Edited, with Notes, by WM. KEITH LEASK, M.A. Paper, 3d.; cloth, 5d.

- Chaucer—Prologue.** With Glossary. Paper, 3d.; cloth, 5d.
- Chaucer—Prologue.** Edited, with Introduction, Notes, Glossary, &c., by E. F. WILLOUGHBY, M.D. 1s. 3d. net.
- Coleridge—The Ancient Mariner.** Edited, with Notes, by WALTER DENT. Paper, 3d.; cloth, 5d.
- Macaulay—Horatius.** With Notes. Paper, 3d.; cloth, 5d.
- Caesar—De Bello Gallico V and VI.** Edited, with Introduction, Notes, Vocabulary, &c., by Prof. JOHN RANKINE BROWN, M.A. Illustrated. 1s. 6d. net each.
- Caesar—De Bello Gallico V and VI.** Edited, with Introduction, Notes, Vocabulary, &c., by Prof. JOHN RANKINE BROWN, M.A. 1s. net each.
- Caesar—De Bello Gallico V and VI.** Edited, with brief Introduction and Textual Notes, by W. H. D. ROUSE, Litt.D. 9d. net each.
- Virgil—Aeneid IX and X.** Edited, with brief Introduction and Textual Notes, by S. E. WINBOLT, M.A. 9d. net each.
- Cicero—De Amicitia.** Edited, with Introduction, Notes, Vocabulary, &c., by Rev. F. CONWAY, M.A. Illustrated. 1s. 6d. net.
- Cicero—De Amicitia.** Edited, with Introduction and Textual Notes, by Prof. J. S. REID, Litt.D. 9d. net.
- Sallust—Catiline Conspiracy.** Edited, with Introduction, Notes, Vocabulary, &c., by Rev. W. A. STONE, M.A. Illustrated. 1s. 6d. net.
- Xenophon—Anabasis IV.** Edited, with Introduction, Notes, Vocabulary, &c., by Rev. G. H. NALL, M.A. Illustrated. 2s. net.

JUNIOR.

- Shakespeare—Julius Caesar.** Junior School Edition, edited by W. DENT, 10d.; Picture Shakespeare Edition, 1s. 6d.; Plain-text Edition, 7d.
- Shakespeare—As You Like It.** Junior School Edition. Edited by Prof. L. W. LYDE, 10d.; Picture Shakespeare Edition, 1s. 6d.; Plain-text Edition, 7d.
- Shakespeare—Tempest.** Junior School Edition. Edited by ELIZABETH LEE, 10d.; Picture Shakespeare Edition, 1s. 6d.; Plain-text Edition, 7d.
- Shakespeare—Coriolanus.** Junior School Edition. Edited by W. F. BAUGUST, 10d.; Plain-text Edition, 7d.
- Shakespeare—Merchant of Venice.** Junior School Edition. Edited by GEORGE H. ELY, B.A., 10d.; Picture Shakespeare Edition, 1s. 6d.; Plain-text Edition, 7d.

- Milton—Comus.** Edited, with Introduction, Notes, &c., by Rev. E. A. PHILLIPS, B.A. 1s. 6d. net.
- Scott—Ivanhoe.** Edited, with Notes, by R. J. CUNLIFFE, M.A., LL.B. 2s. net.
- Kingsley—Hereward the Wake.** Illustrated. 2s. 6d. net.
- Caesar—De Bello Gallico V.** Edited, with Introduction, Notes, Vocabulary, &c., by Prof. JOHN RANKINE BROWN, M.A. Illustrated. 1s. 6d. net.
- Caesar—De Bello Gallico V.** Edited, with Introduction, Notes, and Vocabulary, by Prof. JOHN RANKINE BROWN, M.A. 1s. 6d. net.
- Caesar—De Bello Gallico V.** Edited, with brief Introduction and Textual Notes, by W. H. D. ROUSE, Litt.D. 9d. net.

PRELIMINARY.

- Kingsley—The Heroes.** Edited, with Notes, by E. H. BLAKENEY, M.A. 1s. 9d. net.

- Kingsley—The Heroes.** 1s. 8d.
- Kingsley—The Heroes.** Edited by W. H. D. ROUSE, Litt.D. 9d. net.

CAMBRIDGE LOCAL EXAMINATION, 1920.

EDITIONS OF SET BOOKS.

ENGLISH LANGUAGE AND LITERATURE

- Scott—The Lay of the Last Minstrel.** Cantos I, II, III. With Notes. Paper, 3d. each; cloth, 5d. each. [Preliminary.]
- Scott—The Lay of the Last Minstrel.** Complete. With Introduction and Notes. 1s. 3d. net. [Preliminary and Juniors.]
- Scott—The Lay of the Last Minstrel.** Text, with Introduction only. 10d. [Preliminary and Juniors.]
- Scott—The Talsman.** Edited, with Introduction and Notes, by W. KEITH LEASK, M.A. 2s. net. [Juniors.]
- Scott—The Talsman.** Without Notes. 1s. 8d. [Juniors.]
- Shakespeare—The Tempest.** Warwick Edition, 2s. net; Junior School Edition, 10d.; Picture Edition, 1s. 6d.; Plain-text Edition, 7d. [Juniors and Seniors.]
- Shakespeare—Hamlet.** Warwick Edition, 2s. net; Plain-text Edition, 7d. [Seniors.]
- * The "Warwick Edition" is suited in editorial equipment for Senior Candidates, the "Junior School" and "Picture" Editions for Junior Candidates.
- Defoe—Robinson Crusoe.** 1s. 8d. Abridged Edition, 9d. net. [Preliminary and Juniors.]
- Tennyson—The Coming of Arthur and The Passing of Arthur.** Introduction and Notes by DAVID FREW. 9d. net. [Juniors.]
- Milton—Comus.** Introduction and Notes by Rev. E. A. PHILLIPS. 1s. 6d. net. [Seniors.]
- Milton—Lycidas.** Introduction and Notes by H. B. COTTERILL. 1s. 6d. net. [Seniors.]
- Milton—Lycidas.** With brief Introduction and Notes. Paper, 3d.; cloth, 5d. [Seniors.]
- Milton—English Sonnets.** With brief Introduction and Notes. Paper, 3d.; cloth, 5d. [Seniors.]
- Macaulay—History of England.** Chapter III. Edited, with Introduction and Notes, by E. C. NOTCUTT, B.A. 2s. net. [Seniors.]

ENGLISH—continued.

- Macaulay—History of England.** Chapter III. Edited, with brief Introduction, by W. H. D. ROUSE, Litt.D. 9d. net. [Seniors.]

LATIN.

- Caesar—De Bello Gallico, VI.** Introduction, Notes, and Vocabulary by JOHN RANKINE BROWN. 1s. 6d. net. [Juniors.]
- Caesar—De Bello Gallico, VI.** With Introduction, Notes, and Vocabulary by JOHN RANKINE BROWN, M.A. 1s. 6d. net. [Juniors.]
- Caesar—De Bello Gallico, VI.** Edited, with brief Introduction and Textual Notes, by W. H. D. ROUSE, Litt.D. 9d. net. [Juniors.]
- Virgil—Aeneid VI.** Introduction, Notes, and Vocabulary by H. B. COTTERILL. Illustrated. 1s. 6d. net. [Juniors and Seniors.]
- Virgil—Aeneid VI.** Edited, with brief Introduction and Textual Notes, by S. E. WINBOLT, M.A. 9d. net. [Juniors and Seniors.]
- Livy—Book V.** Edited, with Introduction, Notes, and Vocabulary, by W. CECIL LAMING, M.A. Illustrated. 1s. 6d. net. [Seniors.]
- Livy—Book V.** Edited, with brief Introduction and Textual Notes, by E. SEYMOUR THOMPSON, M.A. 10d. net. [Seniors.]
- Tacitus—Agricola.** With Introduction, Notes, and Vocabulary by C. FLAMSTEAD WALTERS, M.A. 1s. 6d. net. Illustrated. [Seniors.]
- Plautus—Captivi.** Edited, with Introduction, Notes, and Vocabulary, by Rev. J. HENSON, M.A. Illustrated. 1s. 6d. net. [Seniors.]

GREEK.

- Xenophon—Anabasis I.** Edited, with Introduction, Notes, and Vocabulary, by C. E. BROWNRIFF, M.A. 1s. 6d. net. [Juniors.]
- Euripides—Medea.** With Introduction, Notes, and Vocabulary by HAROLD WILLIAMSON, M.A. 2s. net. [Juniors and Seniors.]

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.

last gathering at the school before Miss Gosnell's retirement—when she was presented with a silver tray and tea service by the old scholars, and with a watch, a brooch, and an address by the past and present members of the staff. Miss Gosnell has for many years taken an active interest in the administration of education, and she was a well-known member of the Head Mistresses' Association.

* * *

THE Council of the Girls' Public Day School Trust have appointed Miss E. Ransford (Med. and Mod. Lang. Tripos, Girton College) Second Mistress at the Belvedere School, Liverpool, to be Head Mistress of Ipswich High School, and Miss R. M. Fletcher (Final Hon. Eng. Lang. and Lit., Somerville College), Second Mistress at the Brondesbury and Kilburn High School, to be Head Mistress of Bath High School.

* * *

CAPTAIN J. H. SMITH, M.C., formerly Mathematical Scholar of Brasenose College, Oxford, is taking up the lectureship in mathematics at Huddersfield Technical College. For several years he was engaged as senior mathematical master at the Hulme Grammar School, Manchester, and in 1915 he was elected President of the Manchester Mathematical Society. He has seen considerable service in the Army, and went through some of the severest fighting in France, being awarded the Military Cross. After the Armistice he took part in the Army Education Scheme, organizing University courses for officers and delivering lectures on "Mathematical Analysis."

* * *

MR. A. J. SCHOOLING, Senior Classical Master at the Strand School, London, is succeeding the Rev. C. S. Butler, who has resigned the Head Mastership of Barnsley Grammar School at the age of seventy years—a position which he has occupied since 1887. Mr. Schooling was educated at Merchant Taylors School, London, and took First Class in the Classical Tripos in 1903. He has had teaching experience at Dean Close School, Cheltenham, and at Liverpool Institute High School, and during the war he served for three years with the Artists' Rifles.

* * *

MR. E. GRAHAM, who has recently severed his official connexion with Harrow, first went to the famous school on the hill as a boy in Mr. Bosworth Smith's House in 1873, and returned as a master in 1882. Since 1899, Mr. Graham has been in charge of Rendall's House, and he will be greatly missed at Harrow. He was Hon. Secretary and Treasurer to the Council of the Harrow Mission, and, in addition to taking an active share in many other departments of work, he was a founder of "The Harrovian," the school magazine, and of the ornithological collection.

* * *

THE resignation of Mr. G. P. Kirkman will be deeply regretted at Bedford School. He has been connected with the school for twenty-six years as form master, house master, and of late as head of the Army classes.

* * *

GREAT regret is felt throughout the Dartford district at the news that Mr. C. J. Mansford, who has been Head Master of the Grammar School for the past seventeen years, has been compelled to resign through ill-health. In 1902 the school numbered only twenty-nine pupils, and some idea of what Mr. Mansford has accomplished during his tenure of office may be gained when it is stated that there are now three hundred pupils on the school roll, as well as a long waiting list. During the early part of the war Mr. Mansford went to France with the French Red Cross, and since his return he has been occupied during all his spare time in propaganda work for the War Office. It is the unanimous wish of all connected with the school that the rest he is taking will promote a speedy restoration to normal health.

* * *

MR. E. T. BALDWIN, Senior Master at Dronfield Grammar School, has been appointed Head Master of Earl's Colne

Grammar School *vice* Mr. A. J. Appleton, who has resigned. Mr. Baldwin took his degree with Honours in Modern History in 1912, and was formerly a master at Bablake School, Coventry. He has specialized in the teaching of English and history, and is an examiner in history and geography to the Oxford University Locals Examination Delegation.

* * *

MR. A. C. BADCOE has been selected as Secretary for Education under the Exeter Education Authority, in succession to Mr. H. Armitage, resigned. Mr. Badcoe was educated at Bovey Grammar School, the Municipal Secondary School, Cardiff, and University College, Cardiff. He is a trained certificated teacher and has had twenty years' experience in many types of schools—elementary, secondary, technical, and pupil-teachers' centres. From 1900 to 1918 he was Assistant Secretary to the Dorset Education Committee and is now Assistant Secretary to the Norfolk Education Committee.

* * *

THE Council of Armstrong College, Newcastle, has appointed Lieutenant-Colonel Sir Theodore Morison, K.C.I.E., K.C.S.I., Principal of the College. Sir Theodore was educated at Westminster and Trinity College, Cambridge, and went to India in 1889 returning in 1905. During the war he held a commission in the Cambridge Regiment (Territorials) and saw service in France and German East Africa.

* * *

MR. A. L. WATSON, Senior History Master at Enfield Grammar School, has been appointed Justice of the Peace for Hertfordshire. Mr. Watson was educated at Hertford Grammar School. He is a member of the Hoddesdon Education Sub-Committee, and has for many years taken an active interest in county affairs.

* * *

MISS K. M. BUCK has been appointed Organizing Secretary of the Association of Teachers of Domestic Subjects. She has ably filled the post of Hon. Secretary to the Association for the past ten years. Communications respecting the Association of Teachers of Domestic Subjects should be addressed to her at 10 Norfolk Street, Strand, W.C.2.

ONLOOKER.

TOPICS AND EVENTS.

NEW IDEALS IN EDUCATION.—Despite the fact that the early date forced on the promoters of the Sixth Annual Conference, held at Cambridge during the last week of July, precluded the attendance of public and preparatory school masters, the number of members present exceeded that of preceding Conferences. The general opinion at the close of the strenuous week seemed to be one of general satisfaction, not only with the subject, "The Creative Impulse and its place in Education," chosen by members of last year's Conference at Oxford, but with the inspiring treatment of the subject. The speakers had evidently been carefully selected—not for names of world-wide fame, but each for an earnest study of the subject which each had made his own, and for the fact that each speaker was himself a craftsman. Mr. Henry Wilson's Inaugural Address (obtainable from Secretary of New Ideals, 24 Royal Avenue, Chelsea, 2d.)—the keynote of the Conference—lifted the subject into an atmosphere of vital reality. The child shall learn that his creative activities are essential to his country; he will produce for her, live for her, and, if need be, die for her. The true citizen "creates with delight, endures with sweetness, thinks of others' welfare before his own, and strives to make his city the counterpart of that not made with hands." His lead was ably followed by Prof. Rothenstein, Mr. Alec Miller, Mr. Geoffrey Shaw, Prof. Lethaby, and Miss Margaret Swanson on Educational Needlecraft. Perhaps the most brilliant and convincing paper was that of Mr. Alec Miller, a young sculptor, who undertook the difficult task of "The Craftsman's Place in Industry." He pleaded for close co-operation between school and workshop, by which alone the present abyss between the educated designer and the ill-educated workman could be bridged. The large shop and the art school must be broken down, because they perpetuate the false distinction between the designer and workman, the studio and workshop.

(Continued on page 584.)

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

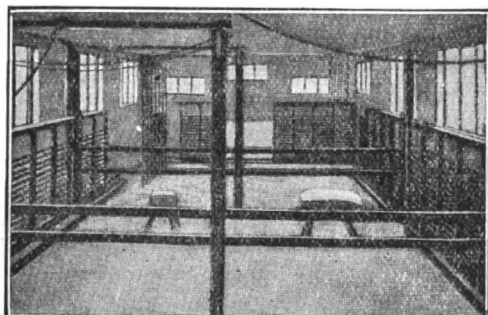
OLD GYMNASIA Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S Several Recent Secondary School and Welfare Outfits.

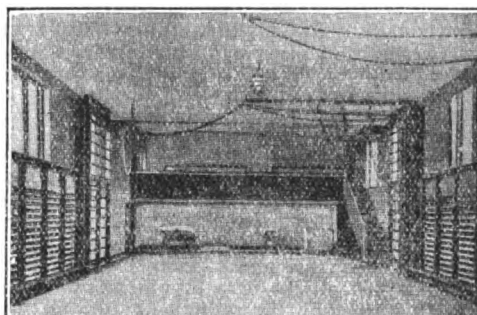
SCHOOL CLINICAL Plinths, Correction Belts, Head Suspension
A P P A R A T U S Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.
Write for printed information, plans and lists. :: Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12030.

New features of this year's Conference were an exhibition of children's work and a course of lessons in block-printing given to members by Mr. Seaby, of University College, Reading, which were both popular and helpful. All the papers will be published during the autumn, and can be obtained from the Secretary.

THE EDUCATIONAL WORK OF THE Y.M.C.A.—From time to time short paragraphs in the daily papers have given to the public an account, accompanied by statistics, of the educational work attempted among our troops. From such accounts it appeared that, while in many places the Military Authorities were setting up their own machinery for the purpose, in not a few they had invited the Y.M.C.A. to add a scheme of classes to its manifold activities on behalf of men and women on active service. Two recently published reports give a detailed account of the work carried out under the auspices of the Y.M.C.A. Universities Committee. One of these, covering forty pages, relates to the work in France; the other, of half the length, deals more shortly with the educational activities in other places. The net result is to show that the Universities Committee took a substantial share in supplying or promoting lectures and classes not only in a large number of camps at home, but also in France, Italy, Salonica, Egypt, Malta, and Holland. Not only a most imposing array of lecturers, including "the most distinguished specialists in England," but over two hundred civilian teachers, were sent out, buildings were hired, or even erected, to serve as schools and libraries; textbooks and reference libraries were supplied, together with all educational apparatus. In some places the entire management of the scheme was entrusted to the representatives of the Universities Committee, although the teaching staff was to a small extent supplemented by qualified instructors released from their military duties. It was only in Italy that the Army was represented by an education officer, Captain McGregor, M.C., Professor of Political Economy at Leeds, who was entitled to speak with authority on educational problems. This huge and widespread work could not have been done without the expenditure of a considerable sum of money. A letter from Sir Arthur Yapp to the War Office estimates its cost at a little under £100,000 for France and a little more than £20,000 for the other areas. Any one who knows the difficulty of obtaining any buildings at all in the places where the scheme was started, the expense of printing and binding, the cost of living for the staff and all the other difficulties to be faced, will rather marvel at the moderate expenditure than exclaim at the amount. The published statistics of class attendances does not include all those who took advantage of the scheme, for very many serious students were demobilized before their course was wellnigh begun. The rapidity of demobilization prevented anything in the nature of a prolonged course of study except for a few. But to a large number of the active-minded among the men the lectures and classes brought steady and calming influence beyond all price.

THE INCORPORATED STAFF-SIGHT-SINGING COLLEGE.—The annual report for 1918-19 discloses a state of affairs which gives great hopes for the future. The College has been carefully piloted through the vicissitudes of the Great War, thanks to its energetic secretary, Mr. E. Douglas Smith, and reports a steady increase in the number of schools examined, among them being the Ladies' College, Cheltenham. The authorized textbook of the College, "The Manual of Sight-Singing" (Dr. Sawyer), is in greatly increased demand, and it is of interest to note that, on the strong recommendation of Sir H. Hadow, it has been adopted in various centres for the education of our overseas troops. The Council have in contemplation an additional grade in the Certificate Examination, to include all the tests at present in the Grade 3 (Advanced) Certificate, with the exception of the teaching tests, and so provide a convenient step between the Grade 2 (Intermediate) Examination and that of the Junior Teaching qualification, which latter requires evidence of practical experience in teaching. The splendid work which the I.S.C. are doing well merits the support of all interested in the advancement of music in our schools and elsewhere, for we fall far short of the standard which obtained in the time of Henry VIII, who, as Parry tells us in his "Summary of Musical History," "himself set an excellent example by his ability in singing at sight, which accomplishment before long came to be considered a necessary part of a properly educated gentleman."

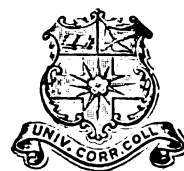
ANCOATS HOLIDAY PLAY SCHOOL.—Members of the Manchester University Settlement at Ancoats again conducted a holiday play school for children from the Ancoats district of Manchester. A municipal school at West Didsbury was again obtained for the purpose, and daily two hundred children were taken in special cars from their homes in Ancoats to the distant suburb. At night

(Continued on page 586.)

University Correspondence College

(FOUNDED IN 1887.)

Principal: WM. BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.



LONDON UNIVERSITY Degrees.

(Graduates of Approved Universities and holders of certain diplomas can register as matriculated students of London University without passing the Matriculation Examination.)

Courses are provided for

MATRICULATION

and the

INTERMEDIATE & DEGREE Examinations

of

London University

During the five Years 1913-1917,

ABOVE ONE-HALF

of the

Honours at B.A.

were gained by

U.C.C. Students,

INCLUDING HALF OF THE

First-Class Honours.

Prospectus, giving Full Particulars of Courses and Fees, post free to **Private Students**, from the Secretary,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

“IT IS CLEAR

that a capable agent who has pursued his calling for years will have gathered, by visits, by personal interviews, and by correspondence, a globe of precepts, and that his profession of recommending schools is no idle pretence.”

The Journal of Education, June, 1916.

**This is the definition, by a competent judge, of what should constitute a
USEFUL SCHOLASTIC AGENT.**

It may be presumed that no one would knowingly make trial of the services of any other kind, but it is still true that a proportion of Principals are induced to yield to the importunities of plausible and worthless concerns, with the resultant loss and disappointment that might be expected. This is a disillusioning experience for which there is no necessity. The established, reliable Scholastic Agencies are not many in number, and they are well known, and their record and standing easily to be ascertained. As one of these we have a sufficient claim to clients' confidence. If, further, we obtain the greater share of Parents' Inquiries, we also take unusual pains to secure them.

As a result, few days pass without at least one letter of thanks from parents who appreciate the assistance we have given them. Principals are equally generous in expressing their indebtedness.

The following extracts are from recent acknowledgments :—

“When I first came here I spent over £50 in six months, advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of ‘venturing’ on another boarding house.”

“Two years ago you sent me a pupil named ———. Through her parents I have had **four** good pupils this year from four different places, and through two of these I have **five** more coming this term: that is ten pupils from paying **one** commission.”

If you have not yet made trial of our services, we shall be glad to hear from you, with particulars of your School.

J. & J. PATON, Educational Agents,

143 CANNON STREET, LONDON, E.C. 4.

**Telephone:
Central 5053.**

special cars took them home again. The children spent the mornings at the school, where there were classes in singing, dancing, eurhythmics, painting, doll-dressing, toy-making, wood-work, and cobbling. For the tiny children there were bricks, nine-pins, and raffia-weaving. Every now and again groups gathered to play jolly games in the sunny playground. On long tables places were laid for the midday meal. This was so appetizing that a boy was heard to remark: "It is like having a Sunday dinner every day." After dinner the children rested for a little while, the younger ones usually going to sleep. Later in the afternoon the children went out for rambles, visiting the gardens of the large houses in the neighbourhood, where they ate their tea out of doors. A return was made to Ancoats about eight o'clock in the evening. The parents of the children are eager for them to attend the holiday school. As things are at present, it is impossible to take more than two hundred children, but there were enough children wanting to come to fill three schools of the size of that at present in existence. The Settlement is besieged night and morning by parents anxious to have their children included in the holiday school party. Donations are needed, and these should be sent to the Warden at the University Settlement in Every Street, Ancoats, Manchester. The School was open for the first three weeks of the summer holidays, and at the end of this time an open day was held, when there was an exhibition of handwork done by the children, together with a display of dancing.

EMPLOYMENT FOR SECONDARY-SCHOOL PUPILS.—On the advice of the London (Central) Advisory Committee for Juvenile Employment, the Minister of Labour has established in London Employment Committees, consisting of head masters and head mistresses of secondary schools. Registers of secondary-school boys and girls requiring employment have been compiled, says the *Times*, and special steps, such as personal visits to employers, are taken to obtain suitable openings for them. Special officers have been told off to act as secretaries to the Head Masters' and Head Mistresses' Committees, and these officers may be interviewed by secondary-school boys and girls—with their parents if desired—at the Howard Hotel, any week-day, except Saturday, between the hours of 9 a.m. and 12 noon. The co-operation of employers, who have vacancies suitable for such applicants, is an essential to the success of this new departure, and they are invited to notify

their requirements to the Secondary School Head Masters' or Head Mistresses' Employment Committee, Howard Hotel, Norfolk Street, Strand, W.C.2, without delay.

MATRICULATION FOR WAR STUDENTS.—The Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, Sheffield, and Birmingham give notice that candidates for the alternative form of the Matriculation Examination, instituted to meet the case of persons whose education has been interrupted by War service, must in future present themselves for examination within six months of the date of demobilization or discharge. Candidates who were demobilized or discharged before August 1, 1919, must take the examination at the earliest opportunity, but in no case later than December next.

AN IMPORTANT KINEMA INVENTION.—It is a notorious fact that although the kinema trade is very anxious to supply material for educational needs, it has done little to adapt its goods to educational conditions. For instance, one of the great drawbacks of film displays is that, in order to see an instructive film, school pupils have to go to the local kinema theatre. The drawbacks of a theatre for such purposes are too obvious to need comment. But an invention was demonstrated recently which now makes it possible for the kinema to come to the school. This is the portable projector put on the British market by Messrs. George Palmer, of 81 Shaftesbury Avenue, London, W.1. This apparatus is convenient in size; it is portable, weighing less than 23 pounds; it is simple in construction, and, by connecting it with the electricity supply of the school, it can project a standard-sized film on to the wall of the school-room. There is no doubt that this invention brings us much nearer to the right use of the kinema in education. In future the class in literature, say, will not wait till the local theatre exhibits "Kenilworth": it will be able to see the film when the teacher thinks the right time for seeing the story of the book has arrived. Again, the conditions under which the film will be shown will be the normal school conditions. No questions of ventilation or infectious disease will then arise, nor will there be a disturbance in the school programme. And, when recapitulation will be necessary before an examination, the film will again be shown. If in the future each Education Authority will build up a central library of films as they

(Continued on page 588.)

SCIENCE MASTERS

SHOULD USE

Oertling

BALANCES

which have *always* been made in London by

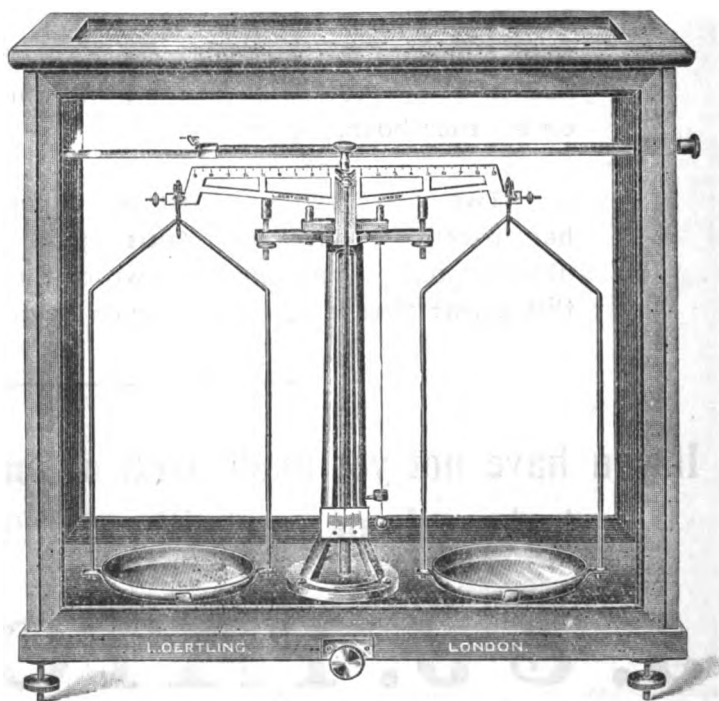
L. OERTLING, LTD.

TURNMILL STREET, E.C. 1.

ESTABLISHED 1849.

Highest Awards at all Great Exhibitions.

THE "PUBLIC SCHOOL" CHEMICAL BALANCE.



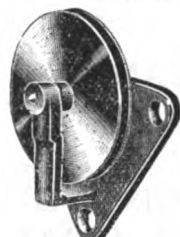
BEAM: $8\frac{1}{2}$ ins. CAPACITY: 200 grms. SENSITIVITY: 0.5 mgr.

AGATE KNIFE EDGES AND BEARINGS.

Complete, with single rider slide (as illustrated), £10. Without rider slide, £9.

PULLEYS AND **PULLEY BLOCKS** FOR THE **Mechanical Laboratory**

A large number of well designed and well made Pulleys will be available at an early date.



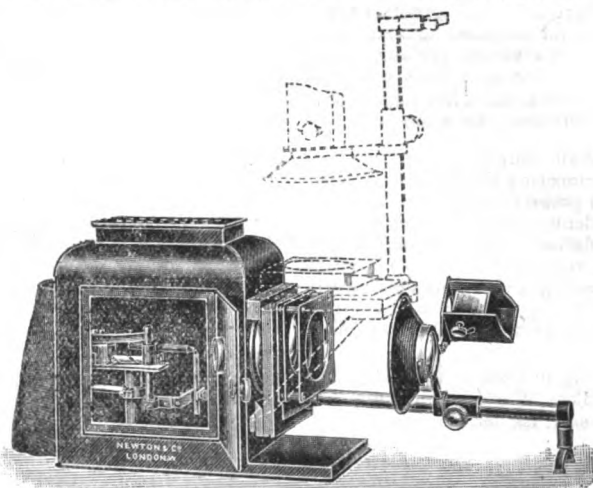
2900

They are accurate and sensitive, and will remain serviceable for many years.

Requisitions should be made without delay to secure delivery.

G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.
London Office: 231 Strand, W.C.2.

OPTICAL LANTERNS AND SLIDES for use in **COLLEGES, SCHOOLS, and other** **EDUCATIONAL INSTITUTIONS.**



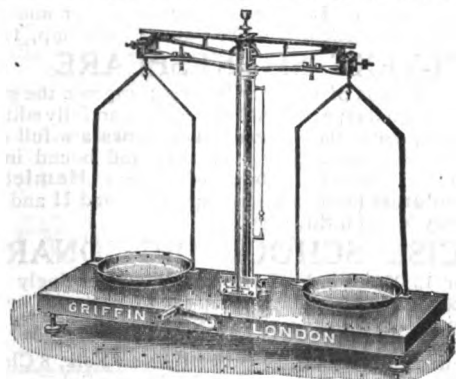
SCIENCE LANTERNS for
LECTURES and DEMONSTRATIONS.

NEWTON & CO.

(Established over 200 years),

72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.
KEMBLE STREET,
KINGSWAY, LONDON, W.C.2.
MAKERS OF PHYSICAL AND
ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES
MANUFACTURED BY
GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLENKAMP
—& Co., Ltd.—

19-21 SUN STREET
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

We shall be glad to have your inquiries for **GRADUATED APPARATUS** such as Cylinders, Flasks, Pipettes, Burettes, Nitro-meters, &c., which we are now turning out in our newly inaugurated Department under a skilled staff, and with the latest approved methods and machines. Your orders would receive our best attention.

"They are well-made articles, and appear to be quite as suitable for laboratory work as the apparatus formerly obtained."—NATURE.

Descriptive Circular No. 199 post free.

Telephone—LONDON WALL 1404 & 1405.

Telegrams—"GALLENKAMP, FINSQUARE, LONDON."

now build up a library of lantern slides, the films required can be sent to the schools and exhibited under the right conditions at the right time.

EDUCATIONAL GRANTS FOR EX-SERVICE MEN.—Under the Government Scheme of financial assistance for the higher education of ex-Service officers and men, the total number of grants awarded by the Board of Education now amounts to 5,400, including officers and men in about equal proportions. The courses in respect of which grants have been awarded include more than 1,000 for engineering and technological subjects, between 600 and 700 for classics, philosophy, and literature, and about an equal number for pure science and mathematics. Applications are still being received in large numbers, and are being dealt with at the rate of more than 200 a day.

WAR SERVICE RECORD.—The Faraday House Electrical Engineering College has published a War Service Record of past and present students of the College. With the exception of those students who have made the great sacrifice, considerations of space made only a skeleton outline of their service careers possible, yet the record runs to fifty large quarto pages. Many "Faradians" were engaged on engineering work of national importance at home, but it was decided to limit the record exclusively to those who served with the British and Allied Forces.

The first award of the William Gibson Research Scholarship for Medical Women (minimum £250 per annum) has been made to Miss M. Esther Harding.

BOOKS OF THE MONTH.

Education.

- Autoerotic Phenomena in Adolescence. By K. Menzies. *Lewis*. Price 4s. 6d. net.
- The Education of a Nation. By E. P. Hughes. *Black*. Price 8d. net.
- Education for the Needs of Life. By Dr. J. E. Miller. *Macmillan*. Price 7s. net.
- The Vocational Education of Girls and Women. By A. H. Leake. *Macmillan*. Price 8s. 6d. net.
- The Purpose of Education. By St. George L. F. Pitt. New Edition. *Cambridge University Press*. Price 7s. 6d. net.
- National Union of Teachers: Forty-ninth Annual Report. "Schoolmaster" Publishing Co. Price 2s. 6d.
- Essays on Vocation: The Career of an Elementary School Teacher. By Fanny Street. *Millard*. Price 6d. net.
- Mental Conflicts and Misconduct. By W. Healy. *Kegan Paul*. Price 10s. 6d. net.
- Handicaps of Childhood. By H. A. Bruce. *Kegan Paul*. Price 7s. 6d. net.
- The Psychology of Special Abilities and Disabilities. By Dr. A. F. Bronner. *Kegan Paul*. Price 10s. 6d. net.
- The Natural History of the Child. By Dr. C. Dunn. *Sampson Low*. Price 7s. 6d. net.
- Ideals and Problems of Religious Education. (Teachers' Christian Union Conference, Swanwick, April 22-26, 1919.) *Teachers' Christian Union*. Price 2s. net.

English.

- English Literature for Secondary Schools: The Most Delectable History of Reynard the Fox. Edited for Schools by H. A. Treble. *Macmillan*. Price 1s. 6d.
- The New English Books. By W. J. Glover. Books I and II. Price 8d. each. *Philip*.
- The New English Books: III. By W. J. Glover. *Philip*. Price 9d.
- Pope: The Leslie Stephen Lecture delivered before the University of Cambridge, May 10, 1919. By Dr. J. W. Mackail. *Cambridge University Press*. Price 2s. 6d. net.
- Studies in Literature. By F. H. Pritchard. *Harrap*. Price 2s. 6d. net.
- Twenty-Two Essays of William Hazlitt. Selected and Edited by A. Beatty. *Harrap*. Price 3s. net.
- The "A.L." Bright Story Readers: Grade S, No. 73, The Tower of London. By W. H. Ainsworth. Abridged, with Notes, by W. H. Webster. Price 7d.—Grade P, No. 104, Havelok the Dane. By E. M. Whitaker. Price 2½d.—Grade I, No. 117, East o' the Sun and West o' the Moon, &c. By Sir G. W. Dasent. Prepared by W. H. Webster. Price 3½d.—Grade I, No. 118, The Story of Merryminde. By Frances Browne.

(Continued on page 590.)

THE MCDUGALL LIST

A SCHOOL ATLAS—REVISED TO JULY 1919

A new edition of McDougall's School Atlas of Coloured Political, and Photo Relief Physical Maps, will be issued in the course of a week or two. It contains all the new boundaries fixed by the Peace Conference. An ideal Atlas for junior forms. 23 Coloured Maps, 16 Physical Maps, 15 Diagrams. In stiff boards, cloth back, 1s. 2d. net. With Index 1s. 3d. net. Full cloth boards and Index, 1s. 9d. net.

MON PETIT CAMARADE FRANÇAIS

Livre Premier. Par L. LAVALT, Paris; P. LESTUNG, Marseille; et B. DUMVILLE, London. Follows in the main the principles of the New Method. Copiously Illustrated. 272 pages. 2s. net.

PETITE ESQUISSE DE LA LITTÉRATURE FRANÇAISE

By J. E. MANSION, B. ès L. An Excellent Selection. New Edition. 2s. net; boards.

EXTRAITS DES AUTEURS, FRANÇAIS DU XVII^{ME} SIÈCLE

By J. E. MANSION, B. ès L. 288 pages. Cloth Boards, 2s. 6d. net.

MCDUGALL'S PREPARATORY FRENCH

An easy, pleasant introduction. Cloth, 10d.

FABLIAUX FRANÇAIS

A simple, attractive Illustrated Reader. 1s. 6d. net.

GATEWAYS TO BOOKLAND

A series of delightfully Illustrated Literature Books for pupils of from 9 to 14. A very wide range of authors of all periods is drawn upon.

Winged Flights into Story Land 2s. 4d. Within the Gates 3s. Vistas of Romance - - - 2s. 8d. In Kings' Gardens 3s.

REGIONAL GEOGRAPHY OF THE WORLD

A Modern Scientific Treatment. Contains an abundance of Contour Maps in Colour and Black and White, with many Diagrams. A section of questions based on the text is a very valuable feature. Revised to date. 224 pages. Cloth covers, 2s. net.

EVERYDAY COMPOSITION

A new book of Hints and Helps in Letter and Essay Writing. Excellent in every way. Cloth limp, 1s. net.

PLAIN-TEXT SHAKESPEARE

In this edition of English Classics are given the greater plays of Shakespeare, unabridged but carefully edited for schools, and without notes. The books are full crown 8vo in size, most clearly printed, and bound in limp cloth. Price—each 6d. net, except *Hamlet* and *Coriolanus* (each 9d. net), and *Richard II* and *King Henry V* (each 8d. net).

CONCISE SCHOOL DICTIONARY

Over 15,000 Words, Phrases, &c. Exceedingly useful Appendixes. Boards or Limp Cloth, each 9d. net.

SONGS OLD AND NEW

Contains 9 National, 19 British, 5 New Folk, 8 Classical Songs, 4 Glees, 19 Rounds. In Staff or Sol-Fa.

Paper, 6d.; Cloth, 8d.

Piano Edition, 4s. 6d. net; by post, 5s.

ADDRESS YOUR INQUIRIES TO

MCDUGALL'S EDUCATIONAL Co., Ltd.,
8 FARRINGTON AVENUE, LONDON, E.C. 4.

DUSTLESS and HYGIENIC SCHOOLS

USE

FLORIGENE

(Regd.)

DURING the SUMMER VACATION for Best Results.

(BRITISH MADE.)

It is **IMPORTANT** to **NOTE** that **ONE APPLICATION** of "Florigene" **ALLAYS** the **DUST** and **DIRT** for **2 TO 12 MONTHS**, according to traffic, not only during each Sweeping (without sprinkling of any kind) but also throughout all the intervening periods—which is of greater hygienic importance. "Florigene" is also easily and quickly applied, and saves time and labour.

These sanitary, labour-saving, and economic advantages are **NOT** attained by sweeping-powders or any mechanical or other method.

Send for Particulars, Medical Reports and Testimonials, to the Sole Manufacturers:

The "DUST-ALLAYER" Co., 4 Vernon Place, Bloomsbury Square, London, W.C.1.
Contractors to the Admiralty, War Office, H.M. Office of Works, Colonial Gouts., L.C.C., &c.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a
REGISTER OF TEACHERS
is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C.1.

EDUCATIONAL BOOKS SECOND-HAND OR NEW.

GALLOWAY & PORTER, University Booksellers,
CAMBRIDGE, ENGLAND.

All Persons Interested in Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge **Le Maître Phonétique**, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of **Le Maître Phonétique** (from 1889) on application.

Give us a trial for the neat, prompt, and accurate
execution of all kinds of
TYPEWRITING WORK.

Testimonials a speciality.

THE CAXTON TYPEWRITING CO.,
3 Paton Street, Manchester.

EDUCATIONAL BOOKS PRE-WAR PRICES.

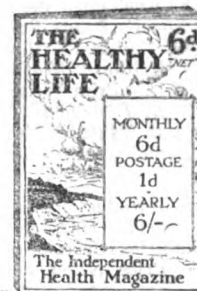
CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

THE HEALTHY LIFE

seeks to give expression to ideas
which hold in them the promise of
a sweeter and cleaner life for all.
Which is one reason why its circle
of readers is continually growing.

¶ Send 7d. for the current Number
to "The Healthy Life" Book Shop,
41 Margaret Street, London, W.1. The
organization of the Book Shop is at your
service. Any book will be quickly dis-
patched to your order.



THE PUBLIC SCHOOL SPELLING CARD.

Sixtieth Thousand. Price 6d. (3d. net to purchasers of 100 cards).

Containing nearly 1,000 words (in which actual mistakes have frequently been made, as collected from Dictations, Essays, Examination Papers, &c., during a period of more than thirty years), with Rules.

Also, in Book Form,

HOW TO SPELL AND SPEAK ENGLISH.

Third Edition. Price 1s.

This also embodies most of the errors in the sentences set for correction in the Examination Papers of the London Matriculation, the Oxford and Cambridge Locals, the College of Preceptors, &c.

By **H. R. LADELL, M.A.**

(late Head Master of the London International College, Isleworth).

FRENCH ESSENTIALS AND FRENCH CONVERSATION SENTENCES.

Fourth Edition. Price 2s., cloth. By the same Author.

"This short grammar is compiled by a master who knows his business. The type is good, the arrangement good, and there is nothing superfluous."—*The Journal of Education*.

"The colloquial sentences at the end are a useful addition."—*The Bookman*.

"As a teacher of long experience the author has been able to give special attention to those points at which he finds pupils are most apt to blunder. This is essentially a school book. It should save the class teacher a vast amount of tedious labour by putting him, as it does, in possession of the essence of the author's many years' experience in class teaching."—*The School Board Chronicle*.

SHORT FRENCH EXAMINATION PAPERS (110).

Each containing Six Idiomatic Sentences to render into French.
Very Useful for Oral Work. Second Edition. Price 2s. 6d., cloth.

By the same Author.

"A very useful set of questions."—*Modern Language Quarterly*.

"We noticed at the time of its appearance this very useful collection of test papers, and need only here add that the key is full and accurate save for some obvious misprints and one or two slips that we have noticed."—*The Journal of Education*.

A KEY (with a list of errata), issued to Teachers and Private Students only, can be obtained from the Publishers, 6s. net. (Half-price to purchasers of a dozen copies of the Examination Papers.)

RELFE BROS., Ltd.,

6 Charterhouse Buildings, Aldersgate, London, E.C.1.

Prepared by W. H. Webster. Price 3½d.—Grade I, No. 119, *The Dwarf's Banquet*. The Boy and the Nis. By T. Keightley. Prepared by W. H. Webster. Price 3½d.—Grade III, No. 136, *Caliph for a Day*. Newly Told by J. B. Marshall. Price 5d.—Grade IV, No. 240, *The Settlers in Canada*. By Capt. Marryat. Abridged, with Notes, by W. H. Webster. *E. J. Arnold*.

Geography.

A Causal Geography of the British Isles. By J. Martin. *Longmans*. Price 4s. 6d.

"Cambridge County Geographies": The North Riding of Yorkshire. By Capt. W. J. Weston. *Cambridge University Press*. Price 2s. net.

History.

Sidelights on the History, Industries, and Social Life of Scotland. By L. A. Barbé. *Blackie*. Price 10s. 6d. net.

Italian Studies. By Prof. T. Okey. *Cambridge University Press*. Price 2s. net.

A Brief History of the World, with Especial Reference to Social and Economic Conditions. By Prof. G. W. Botsford and J. B. Botsford. *Macmillan*. Price 8s. net.

Armed Peace: A Non-Technical History of Europe, 1870-1914. By Dr. W. S. Davis, in collaboration with Dr. W. Anderson and Dr. M. W. Tyler. *Heinemann*. Price 10s. 6d. net.

"The Story of the English Towns."—(1) Sheffield. By J. S. Fletcher.—(2) Leeds. By J. S. Fletcher. *S.P.C.K.* Price 3s. 6d. net each.

Miscellaneous.

The Enchanted Pen. By E. L. Blaikley. *Methuen*. Price 6s. net.

"Stead's Penny Stories."—No. 2. Tony and the Dwarfs. *Stead*. The Children's Hour: A Masque. By J. L. Calvard. Second Edition. *Brown*. Price 1s. net.

"A.L." Print-Writing Chart. By G. A. Langley. 29 in. by 30 in. *E. J. Arnold*. Price 3s. 6d. net.

"A.L." Print-Writing Copy Books. By G. A. Langley. Nos. 1 and 3. Price 3d. net each. *E. J. Arnold*.

Modern Languages.

An Introduction to Chemical German. By Prof. E. V. Greenfield. *Harrap*. Price 6s. net.

Cuba las Costumbres Cubanas. By Prof. F. C. Ewart. *Ginn*. Price 3s. 6d. net.

La Grande Guerre: Récits de Combattants. Recueil fait et brièvement annoté par A. Wilson-Green. *Cambridge University Press*. Price 4s. net.

Angla kaj Esperanta Etimologio (Tabeloj de Etimologio). British and Esperanto Etymology. By C. G. Stuart-Menteth. *British Esperanto Association*. Price 9d.

Science.

The Flower and the Bee. By J. H. Lovell. *Constable*. Price 10s. 6d. net.

A Source Book of Biological Nature Study. By E. R. Downing. *Cambridge University Press*. Price 3 dollars net.

"Cambridge Biological Series."—A Dictionary of the Flowering Plants and Ferns. By Dr. J. C. Willis. Fourth Edition, Revised and Rewritten. *Cambridge University Press*. Price 20s. net.

The Boys' Own Book of Great Inventions. By F. L. Darrow. *Macmillan*. Price 12s. 6d. net.

Mind and Medicine. By Dr. W. H. R. Rivers. Reprinted from "The Bulletin of the John Rylands Library." *Manchester University Press; Longmans*. Price 1s. net.

Lectures on Sex and Heredity delivered in Glasgow, 1917-18. By F. O. Bower, J. Graham Kerr, and W. E. Agar. *Macmillan*. Price 5s. net.

Senior Practical Chemistry. By H. W. Bausor. *University Tutorial Press*. Price 3s. 6d.

Notes on Qualitative Analysis. By L. A. Test and H. M. McLaughlin. *Ginn*. Price 3s. 9d. net.

Science and War: The Rede Lecture, 1919. By Rt. Hon. Lord Moulton. *Cambridge University Press*. Price 2s. 6d. net.

Versé.

These were the Men: Poems of the War, 1914-1918. *Marshall*. Price 3s. 6d. net.

A Cornish Chorus. By Sergt. B. Moore. *Sidgwick & Jackson*. Price 2s. 6d. net.

All Clear! By John Oxenham. *Methuen*. Price 1s. 3d. net.

Songs from a Watch Tower. By R. H. McCartney. Chicago and New York: *F. H. Revell Co.*

Footsteps and Fantasies. By C. J. Druce. *Blackwell*. Price 2s. 6d. net.

Ballades of Olde France, Alsace, and Olde Holland. By Frank Horridge. *Kegan Paul*. Price 2s. 6d. net.

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "How to become a Naval Officer" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 21 Old Bond Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announces that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, for a period of four years, will be continued until further notice. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

A MESSAGE TO VIOLIN LOVERS.



We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your enquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

NATURE STUDY.

Birds and small animals mounted for painting studies. British and tropical Lepidoptera, &c., mounted in neat glazed cases. British Lepidoptera reproduced on silk, set of 50 different, **4s.** 50 new copies of Ward's "Life Histories of Familiar Plants" (now out of print), 86 fine photo plates, published **6s.** **3s. 6d.** Cassell's "Nature Study Book," 6 vols., hundreds of plates, &c., **35s.** Lists.—**A. FORD, 36 Irving Road, Bournemouth.**

Publications of W. HEFFER & SONS, LTD., CAMBRIDGE.

SOME PRACTICAL SUGGESTIONS on the DIRECT METHOD of TEACHING LATIN.

By **R. B. APPLETON, M.A.**, late Scholar of Christ Church, Oxford, and Classical Master of the Perse School, Cambridge. Crown 8vo, cloth. **2s. 6d.** net. (Postage 3d.)

PERSE LATIN PLAYS.

Original Plays for the Teaching of Latin to Middle Forms in Schools, with an Introduction to the method of using the book in class.

By **R. B. APPLETON**. Crown 8vo. Second Edition. **2s.** net. (Postage 3d.)

In this new edition the "Introduction" for Teachers has been omitted; long quantities have been marked and three new plays added.

A SCHOOL STATICS.

By **G. W. BREWSTER, M.A.**, Senior Mathematical Master, Oundle School, and **C. J. L. WAGSTAFF, M.A.**, Head Master, Haberdashers' Hampstead School. Demy 8vo, pp. vii + 248. **4s. 6d.** net. (Postage 6d.)

"We recommend the book to teachers of all types of students."

"We can cordially recommend this book for private and for class work."
London Teacher.
Electrician.

PERSE PLAY BOOKS.

WORK BY BOYS OF THE PERSE SCHOOL, CAMBRIDGE.

Fcap. 4to, boards.

POEMS, LYRICS, AND BALLADS.

With an Introduction upon the teaching of these subjects by **H. CALDWELL COOK**. **2s.** net. (Postage 4d.)

PLAYS AND POEMS.

With an Essay, "Playwrights or Playwriters," by **H. CALDWELL COOK**. **2s. 6d.** net. (Postage 6d.)

FIRST-FRUIT OF THE PLAY METHOD IN PROSE.

With a Preface by **Dr. ROUSE**, and an Essay on the Method by **H. CALDWELL COOK**. **3s. 6d.** net. (Postage 6d.)

LYRICS, PLAY SONGS, BALLADS, and LITTLEMAN RIMES, by Boys of the Perse School, Cambridge. Price **4s. 6d.** net. Postage 6d.

DR. FOAKES-JACKSON'S

BOOKS ON BIBLICAL HISTORY.

1. BIBLICAL HISTORY OF HEBREWS.

Crown 8vo, pp. lxiv, 421. **7s.** net. (Postage 6d.)

2. BIBLICAL HISTORY FOR JUNIOR FORMS (Old Testament).

Crown 8vo, pp. xiv, 210. **4s.** net. (Postage 6d.)

3. With the co-operation of **B. T. D. SMITH, M.A.**, Fellow of Sidney Sussex College, Cambridge.

BIBLICAL HISTORY FOR SCHOOLS (New Testament).

Crown 8vo, pp. xii, 260. **4s.** net. (Postage 6d.)

Reviewers of these books were practically unanimous in their praise, and, which is even of greater testimony to their worth, the sales of the books are constantly on the increase amongst schools, colleges, and private students.

PHONETIC PUBLICATIONS.

A FIRST COURSE OF ENGLISH PHONETICS.

By **H. E. PALMER**. Crown 8vo. **3s.** net.

Including an explanation of the scope of the science of phonetics, the theory of sounds, a catalogue of English sounds, and a number of articulation, pronunciation, and transcription exercises.

COLLOQUIAL ENGLISH.

Part I. 100 SUBSTITUTION TABLES.

By **H. E. PALMER**. Fcap. 4to. Phonetic and orthographic texts in separate books under one cover. **2s. 6d.** net.

"A most original and exhaustive book for the teaching of English by the means of Phonetics."

ENGLISH HUMOUR IN PHONETIC TRANSCRIPT.

By **G. NOËL-ARMFIELD**. Second Edition. With Orthographic Transcript. Crown 8vo. **1s. 9d.** net.

SHORT ENGLISH POEMS FOR REPETITION.

By **C. M. RICE, A.R.C.M.**, with Orthographic Transcript. Crown 8vo. **1s. 9d.** net.

"The success of the series should be assured."—*Scottish Class Teacher*.

SOME QUESTIONS OF PHONETIC THEORY.

By **W. PERRETT**. Part I., cc. I-IV. **4s. 6d.** net. Just published. Part II., chapter V. **2s.** net.

COLLOQUIAL FRENCH. I. FLUENCY EXERCISES.

By **H. E. PALMER** and **C. MOTTE**. Oblong, Crown 8vo. **1s. 6d.** net.

These exercises are intended to help English people to increase their fluency in Colloquial French.

AN ELEMENTARY GRAMMAR OF COL- LOQUIAL FRENCH (on Phonetic Basis).

By **G. BONNARD**, Professeur au Gymnase de Lausanne. Demy 8vo. **4s. 6d.** net.

"La grammaire française de M. Bonnard est mieux qu'une simple nouveauté; c'est une contribution utile à l'étude pratique et scolaire du français, et en même temps un document précieux pour l'histoire de notre langue et de sa prononciation."—*Review de L'Enseignement des Langues Vivantes*.

COURS FRANÇAIS DU LYCÉE PERSE.

PREMIERE PARTIE.

Séries, Verbes, Récitations et Chansons en Transcription Phonétique et en Orthographe Usuelle. Par **L. C. de GLEHN, M.A.**, et **L. CHOUVILLE, B.-ès.-L.**, Professeurs au Lycée Perse de Cambridge, et **ROSE WELLS**. Fcap. 4to. Cloth. **3s.** net.

DEUXIEME PARTIE.

Conjugaison des Verbes avec quelques Notions de Syntaxe par **L. C. de GLEHN, M.A.**, et **L. CHOUVILLE, B.-ès.-L.**, Professeurs au Lycée Perse de Cambridge. Fcap. 4to. Limp cloth. **2s.** net.

"The book is remarkable for its simplicity: without any grammatical apparatus except a table of verb endings, it introduces all the practical grammar that young pupils require."—*Educational News*.

LECTURES FRANÇAISES PHONETIQUES.

Par **PAUL PASSY**, Docteur es Lettres. Crown 8vo. Wrappers. **1s. 3d.** net.

Ready in October.

UN PEU DE RIRE FRANÇAIS AVEC TRANSCRIPTION PHONÉTIQUE.

Par **G. NOËL-ARMFIELD** et **LOUIS M. BRANDIN, Ph.D., L.-ès.-L.** Probable Price **1s. 9d.**

Cambridge : W. HEFFER & SONS, Ltd., and from all Booksellers.

A SELECTION FROM MESSRS. METHUEN'S LIST

All books are Crown 8vo unless otherwise specified

THREE NEW BOOKS

THE PLAYWORK BOOK.

By ANN MACBETH, Author of "Needlecraft." With 114 Illustrations. 2nd Edition. 3s. 6d. net.

EASY TEST PAPERS IN ARITHMETIC AND ALGEBRA.

By W. S. BEARD. 1s. 6d. Answers, 1s. 6d.

THE MODERN OFFICE.

By JAMES STEPHENSON, M.A., B.Sc., M.Com., Head of Commercial Department, Polytechnic, Regent Street, London. With Illustrations, Test Papers, Glossary of Business Terms, and Index. 3s. 6d. net.

"This book is a step forward in a region that demands attention and careful development."—*The Journal of Education*.

SCRIPTURE

A Child's Life of Christ. By MABEL DEARMER. With 8 Illustrations in Colour. 4th Edition. Large crown 8vo. 6s. net.

Stories from the Old Testament. By E. M. WILMOT-BUXTON, F.R.Hist.S. 3rd Edition. 2s. 6d.

The Gospel according to St. Mark. Edited by the Rev. A. E. RUBIE, D.D. With 3 Maps. 2nd Edition. 2s. 3d.

The Acts of the Apostles. By the same Editor. With 3 Maps. 2nd Edition. 3s.

Old Testament History for Schools. By the Rev. W. F. BURNSIDE, M.A., Head Master of St. Edmund's School, Canterbury. With 3 Maps. 8th Edition. 5s. net.

ENGLISH

A Class-Book of Easy Dictation and Spelling. Compiled by the Rev. WILLIAM WILLIAMSON, B.A., F.R.S.Lit., Hon. Canon of St. Albans. 13th Edition. Fcap. 8vo. 1s. 6d.

A Class-Book of Dictation Passages. Selected by the Same. 21st Edition. 2s. 3d.

An Easy Poetry Book. Selected and Arranged by the Same. 4th Edition. 1s. 9d.

Junior English. By F. J. RAHTZ, M.A., B.Sc., Senior Lecturer in English, Merchant Venturers' Technical College, Bristol. 15th Edition. 2s. 3d.

Higher English. By the Same. 12th Edition. 6s.

English Composition from Models. By CHRISTOPHER ROONEY, B.A., LL.B. 3s. 6d.

English Literature. By F. J. RAHTZ, M.A., B.Sc. 3rd Edition. 3s. 6d.

Selections from English Literature.

Vol. I (1350-1700). By F. J. RAHTZ. 2nd Edition. 3s. 6d.

Vol. II (1700-1900). By the Rev. H. N. ASMAN, M.A., B.D., Second Master, Owen's School, Islington, London. 3s.

HISTORY

Easy Stories from English History. By E. M. WILMOT-BUXTON, F.R.Hist.S. 9th Edition. 1s. 9d.

A Junior History of Great Britain. By the Same. With 6 Maps and Questions on each chapter. 4th Edition. 3s. 6d.

A History of Great Britain. By the Same. With 20 Maps, Chronological Summaries, and Index. 5th Edition. 5s.

The Industrial History of England. By H. DE B. GIBBINS, M.A., D.Lit. With 5 Maps and a Plan. 24th Edition. 5s.

Makers of Europe. Outlines of European History for Middle Forms. By E. M. WILMOT-BUXTON. With 12 Maps. 16th Edition. 5s.

The Re-making of Modern Europe (1789-1878). By J. A. R. MARRIOTT, M.A., M.P. With 10 Maps. 10th Edition. 6s.

FRENCH

First French Lessons. By A. M. M. STEDMAN, M.A. 13th Edition. 1s. 6d.

French Vocabulary for Repetition. By the Same. 17th Edition. Fcap. 8vo. 1s. 6d.

Simplified French Texts. Edited by T. R. N. CROFTS, M.A., Head Master, Royal Masonic School, Bushey, Herts. Fcap. 8vo. Each 1s. 6d.

L'Histoire d'une Tulipe. Adapted from "La Tulipe Noire" (A. Dumas).

L'Histoire de Pierre et Camille. Adapted from Alfred de Musset.

L'Equipage de la Belle-Nivernaise. Adapted from Alphonse Daudet.

Mémoires de Cadichon. From "Mémoires d'un Ane" (Mme de Ségur).

And 12 other Volumes.

FRENCH—continued

A Junior French Prose. By R. R. N. BARON, M.A., Modern Language Master, Cheltenham Grammar School. 8th Edition. 3s.

French Examination Papers in Miscellaneous Grammar and Idioms. By A. M. M. STEDMAN, M.A. 17th Edition. 3s. 6d. **Key** (by G. A. SCHRUMPF, Univ. de France). 6th Edition. 6s. net.

LATIN

First Latin Lessons. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A., St. Paul's School, London. 15th Edition. 2s. 6d.

Easy Latin Exercises on the Syntax of the Shorter and Revised Latin Primers. By the Same. With Vocabulary. 16th Edition. 2s. **Key**, 5s. net.

Latin Vocabulary for Repetition. Arranged according to Subjects. By the Same. 19th Edition. 2s.

A School Latin Grammar. By H. G. FORD, M.A., Senior Classical Master, Trinity Grammar School, Melbourne. 4th Edition. Revised. 4s.

Junior Latin Examination Papers. By C. G. BOTTING, M.A. 12th Edition. Fcap. 8vo. 1s. 6d. **Key**, 5s. net.

Latin Examination Papers in Miscellaneous Grammar and Idioms. By A. M. M. STEDMAN, M.A. 17th Edition. 3s. 6d. **Key** (8th Edition), 6s. net.

MATHEMATICS

A Child's Book of Arithmetic. By HERBERT MCKAY, B.Sc. With numerous Illustrations by LILIAN FAIRWEATHER. 1s. 6d. The easiest and most attractive book for Beginners.

Easy Exercises in Arithmetic. Containing 5000 Examples. By W. S. BEARD. 10th Edition. Fcap. 8vo. Without Answers, 1s. 9d. **Answers**, 1s. net.

A New Junior Arithmetic. By H. BOMPAS SMITH, M.A. Professor of Education, University of Manchester. 4th Edition, with Additional Examples by W. S. BEARD. Without Answers, 3s. With Answers, 4s.

Easy Exercises in Algebra for Beginners. Containing 3,500 examples. By W. S. BEARD. 4th Edition. Without Answers, 2s. 3d. With Answers, 2s. 6d.

A Preliminary Geometry. By NOEL S. LYDON, Assistant Master, Owen's School, Islington. 2nd Edition. 1s. 9d.

Geometry on Modern Lines. By E. S. BOULTON, M.A., Senior Mathematical Lecturer, Merchant Venturers' Technical College, Bristol. 3s.

SCIENCE

Preliminary Practical Science. By H. STANLEY, B.Sc., F.I.C., Science Lecturer, Merchant Venturers' Technical College, Bristol. 2s. 3d.

A simple introduction to Physical Science based on experiment.

Elementary Experimental Science (Physics and Chemistry). By W. T. CLOUGH, A.R.C.Sc., and A. E. DUNSTAN, D.Sc., F.I.C., East Ham Technical College. 17th Edition. 4s.

A Junior Chemistry. By E. A. TYLER, M.A., F.C.S., Swansea Technical College. 10th Edition. 4s.

The Complete School Chemistry. By F. M. OLDHAM, B.A., Senior Chemistry Master, Dulwich College, London. 13th Edition. 7s. 6d.

Examples in Physics. By C. E. JACKSON, M.A., formerly Senior Physics Master, Bradford Grammar School. 4th Edition. 5s.

Elementary Lessons on Plant Life. By D. G. SCOTT, M.Sc., Assistant Lecturer in Botany, University of Liverpool. 4s.

A complete Catalogue will be sent on application

METHUEN & CO., LTD., 36 ESSEX STREET, LONDON, W.C.2

SELECTED BOOKS FOR TECHNICAL SCHOOLS & SCIENCE CLASSES

Mathematics.

- Algebra, School.** By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. 7s. Also in two Parts. Part I, 3s. 6d. Part II, 3s. 6d.
- Algebra, Junior.** By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. 3s. 6d. With Answers. 4s.
- Arithmetic, The School.** By W. P. WORKMAN, M.A., B.Sc. With or without Answers. Second Edition. 4s. 6d.
- Arithmetic, The Junior.** By R. H. CHOPE, B.A. With or without Answers. Third Edition. 3s. 6d.
- Book-keeping, Practical Lessons in.** By T. C. JACKSON, B.A., LL.B. Fourth Edition. 4s. 6d. Also in Two Parts. 2s. 9d. each.
- Geometry, The School.** By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. New and Enlarged Edition. 5s.
- Geometry, Preliminary.** By F. ROSENBERG, M.A., B.Sc. With or without Answers. 2s. 9d. A new helpful Geometry for beginners.
- Mathematics for Technical Students, First Course in.** By P. J. HALER, B.Sc., A.M.I.Mech.E., A.I.E.E., and A. H. STUART, B.Sc., F.R.A.S. Second Edition. 2s.
- Mathematics for Technical Students, A Second Course in.** By the same Authors. [In preparation.]

Applied Sciences.

- Building Construction, First Stage.** By BRYSSON CUNNINGHAM, D.Sc., B.E., F.R.S.E., M.Inst.C.E. Second Edition. 3s. 6d.
- Electrical Engineering, Continuous Current.** By W. T. MACCALL, M.Sc., A.M.I.E.E. 13s. 6d.
- Electrical Engineering, Alternating Current.** By W. T. MACCALL, M.Sc., A.M.I.E.E. [In preparation.]
- Electricity, Technical.** By Professor H. T. DAVIDGE, B.Sc., M.I.E.E., and R. W. HUTCHINSON, B.Sc., A.M.I.E.E., F.R.G.S. Third Edition. 7s. 6d.
- Engineering Science, A First Course in.** By P. J. HALER, B.Sc., A.M.I.Mech.E., A.I.E.E., and A. H. STUART, B.Sc., F.R.A.S. 3s. 6d.
- Geometry, First Stage Practical Plane and Solid.** By G. F. BURN, A.M.I.Mech.E. Third Edition. 2s. 9d.
- Heat Engines, First Stage.** By J. W. HAYWARD, M.Sc. 3s. 6d.
- Hygiene, First Stage.** By R. A. LYSTER, M.B., B.Sc., D.P.H. Sixth Edition. 3s. 6d.

Chemistry.

- Chemical Calculations.** By H. W. BAUSOR, M.A. Second Edition. 2s. 9d. Advanced Course. 1s. 6d.
- Chemistry (Theoretical), First Stage Inorganic.** By G. H. BAILEY, D.Sc., Ph.D. Fourth Edition. 2s. 9d.
- Chemistry (Theoretical), Second Stage Inorganic.** By G. H. BAILEY, D.Sc., Ph.D. Edited by Dr. Wm. BRIGGS. Fourth Edition. Revised by H. W. BAUSOR, M.A. 5s. 6d.
- Chemistry, Junior.** By R. H. ADIE, M.A., B.Sc. Second Edition. 3s. 6d.
- Chemistry, Senior Practical.** By H. W. BAUSOR, M.A. 3s. 6d. Including preparations, experiments on action of heat, quantitative and qualitative analysis.
- Organic Chemistry, The Elements of.** By E. I. LEWIS, M.A., B.Sc., F.C.S., late Science Master at Oundle School. 3s. 6d.

Physics.

- Heat, Theoretical and Practical, Textbook of.** By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. 5s. 6d.
- Heat, Junior.** By JOHN SATTERLY, D.Sc., M.A. 2s. 9d.
- Magnetism and Electricity, Senior.** By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. 7s.
- Magnetism and Electricity, Junior.** By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. 3s. 6d.
- Magnetism and Electricity, Advanced Textbook of.** By R. W. HUTCHINSON, M.Sc., A.M.I.E.E., F.R.G.S. 10s. 6d.
- Practical Physics (Mechanical Quantities, Heat, Sound, Light, Magnetism and Electricity).** By W. R. BOWER, B.Sc., A.R.C.S., and JOHN SATTERLY, D.Sc., M.A. 5s. 6d.
- Science, Junior Experimental.** By W. M. HOOTON, M.A., M.Sc., F.I.C. Second Edition. 3s. 6d.
- Mechanics and Physics, An Introductory Course of.** By W. M. HOOTON, M.A., M.Sc., F.I.C., and ALFRED MATHIAS. 2s.

Complete Educational Catalogue, and Catalogue of Textbooks in Science and Technology, post free on application.

UNIVERSITY TUTORIAL PRESS, Ltd., High St., New Oxford St., London, W.C.2

THE JOURNAL OF EDUCATION WITH WHICH IS INCORPORATED THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page	... £5 10 0	One Column [$\frac{1}{2}$ page]	£3 0 0
Half Column [$\frac{1}{2}$ page]	1 15 0	One-Eighth Page	... 0 17 6
Per Inch in Column, 8/-.			

SCHOOL ANNOUNCEMENTS—

- Scholarships, Official Notices, School Transfers, Partnerships, &c.—6d. per line; minimum charge, 5s.
- Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d. *prepaid rate*.
- Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each 8 words after, 6d.; *prepaid rate*.

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C.4:

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London Joint City and Midland Bank, Ludgate Branch." Postage stamps can only be received at the rate of thirteen to the shilling.

Notice must be given of all remittances through the Post Office from abroad, stating full name and address of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

THE CO-OPERATION OF HOME AND SCHOOL.

By Dr. H. E. PIGGOTT.

AT a recent meeting of teachers it was stated that the school ought to be and must become the pivotal interest of the community, local and national. The statement was challenged, and the assembly fell into two parties who respectively maintained and attacked this opinion with warmth. As superior interests, business, politics, pleasure, personal matters, or hobbies, were mentioned. Although the idealists seemed to silence the realists, there was agreement that there is a gulf fixed between "what is and what might be." How can this gulf be bridged?

In general nothing is nearer the hearts of the parents than their children and their children's present and future good. Yet education, which is fundamental to their children's welfare, does not rouse the enthusiasm or open the pockets of most parents. Why is this? Most parents speak as if they know about education, yet their words are rather of criticism than of appreciation. Those, however, who really know most about education best realize its value, and generally set no limits to the sacrifices they will make to secure a liberal education for their children. The present indifference, or positive unfriendliness, to the work of the school would appear to be due either to ignorance of its aims or knowledge of its weakness, or to a combination of these, in the minds of parents and others interested in children. The prejudice against schools is partly due to the strong element of compulsion involved in the Education Acts, and this accounts largely for the traditional hostility between the home and the elementary school. But it is also due to a discrepancy be-

tween the supposed aim of the schools and the apparent purpose of life. This ignorance neither the schools nor the authorities have made any systematic attempt to remove. It is little wonder that parents accuse the schools of teaching what is useless in life, that evening schools are despised and neglected, and that plans are already being laid to circumvent the Act of 1918.

The remedy is more education, not merely of pupils but chiefly of parents, to dispel this misconception and to win for the schools the co-operation of the homes. Ultimately, by the re-education of parents, and by the education of prospective parents while they are still at school, the traditional indifference may be removed. But primarily the school will benefit by its own efforts in this direction and in an astonishingly short time.

There are two things to be done. (1) To develop in individual parents a personal interest in education and a real appreciation of its value for their children. School and home may then hope to co-operate cordially in the work of educating the children. (2) To foster this personal interest and organize it as a community interest, and develop the individual support into a national demand for the best that education can give to the young generation. School and home must work together to develop strong, liberal, and progressive public opinion in national education. Some countries have gone far along this path of national development. In Scotland of old, and in the United States, education stands in the front rank of national and local interests.

These things can be done, and the school must take a large share in the work. Teachers may reasonably expect to get what they ask for themselves, for their school, and for education when they take seriously the work of educating the public, beginning with the parents of their own pupils. It is this first object which concerns us here.

This new work is a process of education and therefore rests ultimately upon first-hand experience. Parents know two schools. First, the school of their childhood of twenty, thirty, or forty years ago. But that school, its methods, and its sentiments no longer exist. Secondly, out of that dim and often unpleasant memory, however, parents evolve the school of to-day by the aid of their children's school tales. The result is usually disastrous, for this school also does not exist.

The remedy is simple, yet not altogether easy in practice. Let parents see, hear, and judge for themselves. Bring them into the school; let them meet the teachers and learn to understand their aims and methods. Let them see their children at school, working and playing—that is, living school life. Let them see the work which has been done or that which is being done. Help them to get the teacher's point of view and appreciate his ambitions for his pupils. They will not fail to appreciate the teacher's work or to respect him as the builder of the new generation.

The change of attitude in the home and its effects upon the pupils will be marked. The sympathy and cordiality, the readiness to co-operate, the spontaneous tributes to teacher and school will lift the work of teaching from the plane of drudgery to that of a life interest.

Teachers deal largely with pupils in the bulk. The class is the whole, the pupils are but units; they are never completely regarded as independent individuals, but as members of a group, members having certain characteristics chiefly in relation to the work and play of the group. Parents regard their children as individuals having characteristics in relation to the home and the family. These views are largely complementary, and need to be supplemented and corrected each by the other.

The attendance of parents at sports and prize days is valuable, but not enough to accomplish our purpose. It gives little indication of what is being done in the school. It does not exhibit clearly the relations between staff and pupils, or of pupils to their work. Parents need to see the work of the school going on, to see in some cases collected and finished results (exhibitions, plays, entertainments), to see their own children mingled with their peers in the school world, to catch the spirit of the school as a working community, to feel that

Education is Life and not merely preparation for life, still less for getting a living.

How is it to be done? The answer is necessarily individual in character. Infant schools have in this matter long been leaders, often unconsciously. Their "play way" education, the regular attendance of parents to bring and fetch their children, make opportunities to see education in process frequent and easy. Few parents complain of the education of the infant school. They see that the child's activities draw him out and bring him along. Yet many parents criticize the elementary and secondary schools, partly because as the child grows older the future career becomes more and more a real problem, but chiefly because they understand so little of the child's preparation for it at school. The child's development in response to it is not so obvious.

Parents must be invited to the schools. Those who have tried the plan have been surprised at the enthusiasm with which parents accept invitations to see the school at work. The difficulty of day visits, especially for busy parents, is obvious, yet here much may be done by arranging afternoons when the school is open. One way is to invite all the parents of pupils in one class on a given afternoon. The pupils can be seen at work in the classroom, in the hall, &c., under nearly normal conditions. The school is not unduly disturbed or crowded.

Open evenings present more difficulties to the teachers than to the parents. Even so, they are usually felt to be well worth while. The difficulty of excessive strain may be overcome by transferring the afternoon school to the evening and adjusting work so that the desired experiences are given to parents.

In a secondary school where pains have been taken to get into touch with the parents of pupils, the following arrangements have been made. Not all have been possible during the War, but together they form a related set of efforts.

First, along with the notice of the pupil's admission is sent (a) a short printed note congratulating the parents on the child's successful candidature for admission and inviting them to communicate anything relating to the child's health, special interests and experience, which it may be of advantage to the school to know (not many parents reply to this); (b) a circular about the special activities and interests of the school.

Secondly, soon after the beginning of the term, all parents of new pupils are invited to view the school and meet the teachers of the child's Form. The usual plan is to invite them to tea on a Saturday afternoon. As they arrive they are welcomed by the head master, introduced to the teachers, who take them in small groups to the Form rooms and to the laboratories, art room, &c. As soon as all have arrived, tea is served at the tables in the hall, and parents in pleasant intercourse get to know each other and the staff. After tea the head master informally explains the general aims and curriculum of the school course, with a mention of any special methods or other points of interest. He refers to any special advantages, deficiencies, or limitations of the school, and shows the consequent bearings on the full and liberal education of their children. In some cases parents by special arrangements or even personal assistance can help to overcome the difficulties—in any case there is a better understanding of school conditions and school limitations; frequently help in out-of-class interests is offered.

From half to two-thirds of the parents accept this invitation, and invariably great interest is shown and keen appreciation of the opportunity to meet the Head and the teachers and to see the school. Frequently the new pupils come with their parents—to show the way, to introduce them to teachers, and generally to help to make them feel at home. They are proud to act as guides in their new school. These pupils also help to wait at tea, and often provide items of entertainment which have a double interest for the visitors. In this way, too, parents become acquainted with their children's school friends.

These meetings of "First Form" parents usually take place early in October, since most new pupils are admitted in September. Except for the admission of pupils transferred from

a secondary school, new pupils are admitted only when there are enough places to make up a new Form, or two or three divisions of a Form. In September from sixty to eighty First Form pupils are admitted, and the parents' meeting is fairly large.

Thirdly, each successive winter the same sets of parents should meet again as second-, third-, fourth-, or fifth-form parents. Their interests are now different. They know the teachers well by repute, and in many cases personally; they are anxious to discuss their children's promotion. Fourth- and fifth-form parents talk of the examinations, and aptitude and future careers of the pupils. Teachers and parents are thus able to supplement each other's observations and knowledge for the pupil's benefit.

In these later visits it is less necessary for the children to accompany their parents, and often more convenient that they should not. Groups of younger pupils come to assist and to entertain, and can be excluded easily during any informal address and discussion.

It is, however, appropriate and interesting to let the older pupils come after tea to demonstrate to their parents their school work in music, experimental science, art, French, or any other subject. This helps the visitors to understand the nature and value of the work as part of their children's education, especially if the teacher in charge offers a brief explanation of what is being done, and why. In these days many parents of pupils in secondary schools have themselves had no experience whatever of these forms of education; such demonstrations are therefore valuable. Before the War there were full school open evenings for parents, during which the hall and every room and laboratory was occupied with pupils at work on their ordinary school course. Special displays in the hall or lecture rooms at intervals were in the programme. These were always overcrowded and much appreciated. An oral examination in history or geography would be enjoyed as well as laboratory work.

Most parents are keenly interested in their own children, and especially desire to see them working and playing with their fellows—a new experience for parents. Open meetings at school are always a success if the children are there. Parents get clearer conceptions of school subjects and of their educational value. They observe the teacher's skill in handling his class and his subject; confidence grows. The school grows in their esteem, and they are more willing to co-operate with it.

By some such plans as these, consistently carried out, parents can be interested, educated, and helped. They will become loyal and keen supporters and enthusiastic helpers of the school. No two schools or Heads of schools will find the same plans and methods suitable in detail to their peculiar circumstances and opportunities. But, if they see the need of interesting and educating parents in their children's education, they will find that direct contact of parents with Head, staff, pupils, and school is absolutely essential. It is the new experience out of which alone the right attitude can be developed.

It is no impossible claim that, in a wise and well ordered community, education should be the central interest. Nature has ordained that the care of the young should be the prime responsibility of parents, and it is recognized that among human beings this care should extend over a long period. In these days of highly specialized function, law and custom have provided that children should be handed over to the professional teacher for education. Some parents do this with joy, others with a sigh of relief, yet others with hesitation and regret. Long experiment has proved, however, that in the day school, at least, this is neither desirable nor possible.

The more clearly we see that education is not merely instruction, the more obvious it will be that nothing short of the united efforts of the whole community will suffice for the task of preparing the rising generation. No school, however liberally staffed, could ever hope to unfold all possibilities and give all the necessary individual attention. Parents and other members of the community are ready to share the task.

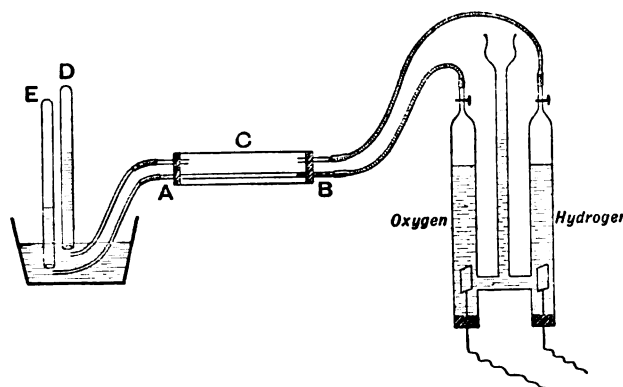
CORRESPONDENCE.

DETERMINATION OF THE RATES OF DIFFUSION OF GASES.

To the Editors of *The Journal of Education and School World*.

DEAR SIRS,—The absence from the usual textbooks of any method of quantitative determination of the rates of diffusion of gases is the chief reason for thinking that the following outlines may be of interest to teachers of science. Most of us have been in the habit of depending on experiments showing changes in pressure inside porous pots for the purpose of illustrating the general phenomena, and of quoting Graham's Law of Gaseous Diffusion without any serious attempt at verification. The method described here will, I think, show that this is unnecessary.

The essential feature of the apparatus is the glass jacket-tube surrounding the porous tube (made of the stem of a clay pipe), of which the portions projecting out of the rubber stoppers are rendered non-porous by shellac or rubber. The length of the porous tube within the jacket is about two inches. In the diagram the apparatus is shown attached to a voltameter containing dilute sulphuric acid, so that hydrogen and oxygen in known volumes can



AB, porous tube; C, glass jacket tube; D, E, graduated collecting tubes, containing explosive mixture of gases.

be passed through the outer and inner tubes respectively. A regular flow of gas through both tubes is necessary. The exit tubes are arranged so that bubbles of gas in them are as nearly as possible under the same pressure. This can easily be done by seeing that the depths of the ends of the tubes under the water in the collecting trough are the same. The tubes should also be as nearly as possible of the same cross-section and general form, so that equal facility of exit is offered to bubbles.

To set the apparatus working a current of about $\frac{1}{2}$ ampère is passed through the voltameter, and the evolved gases are allowed to pass freely through the two tubes till the air is expelled and a state of equilibrium in the composition of the issuing gases is reached. About fifteen minutes will generally be sufficient time for this to take place. Bubbles of gas may then be collected at each exit tube, and tested with a lighted splinter. Explosive gas will be found to be issuing from both tubes.

Without disturbing the positions of the exit tubes, place the graduated tubes over the issuing bubbles at the same instant, and allow them to collect. It will be found that more gas will collect from the tube connected with the oxygen generator than from that connected with the hydrogen generator of the voltameter. When sufficient gas has collected, withdraw the two collecting tubes at the same instant. Measure the gas volumes and record the temperature and pressure. The contents of one of the tubes may be analysed, and from this the contents of the other may easily be deduced, since the composition of the original gases is known, and the total volume of gas collected. (Alkaline pyrogallate is safer and quicker for the analysis than phosphorus.)

Example.—22 c.c. of gas collected from hydrogen tube and 39 c.c. from the other. Total = 61 c.c., of which $20\frac{2}{3}$ c.c. = oxygen and $40\frac{2}{3}$ c.c. = hydrogen. (Time taken, about 14 minutes.)

An analysis of the 22 c.c. gave 16 c.c. hydrogen and 6 c.c. oxygen. Hence $(40\frac{2}{3} - 16)$ c.c. of hydrogen diffuse in the same time as 6 c.c. of oxygen.

i.e. $24\frac{2}{3}$ c.c. hydrogen in the same time as 6 c.c. oxygen, which is nearly in the ratio 4 : 1, as required.

Other gases may obviously be used with the diffusion apparatus. Thus, when carbon dioxide and hydrogen were passed through the outer and inner tubes respectively, 10 c.c. of gas were collected

from the inner tube and 50 c.c. from the outer tube. On treatment with caustic soda, 6 c.c. of hydrogen were left from the former and 22 c.c. of hydrogen from the latter. Hence 4 c.c. of carbon dioxide had diffused into the hydrogen-carrying tube in the same time as 22 c.c. of hydrogen had taken to diffuse into the outer tube carrying carbon dioxide. Hence—

$$\frac{\text{Rate of diffusion of hydrogen}}{\text{Rate of diffusion of carbon dioxide}} = \frac{22}{4} = \frac{5.5}{1}$$

According to the Law of Diffusion the ratio should be $\frac{4.7}{1}$ and the difference is probably due to error in determining the comparatively small volume, 4 c.c., of carbon dioxide. If larger volumes are collected there will be less liability to this source of error. The water in which the gases were collected was saturated previously with carbon dioxide, so as to avoid loss by solution during the collecting process. Thus it can be seen that the Law of Gaseous Diffusion can be verified with simple apparatus capable of easy manipulation, almost as readily as Boyle's or Charles's Law. Burnley Grammar School. E. J. SUMNER.

READING AND EDUCATION.

To the Editors of *The Journal of Education and School World*.

SIRS,—Thank you for the friendly notice in your issue for August of an article entitled "A Liberal Education in Secondary Schools," which appeared in *The Parents' Review* for July last. Sympathy, with certain reservations, would a few years ago have been my own attitude towards the claims made in that article, for I did not fully perceive that we were acting on general principles until elementary schools took up the work indicated, and did "incredible things."

I am grateful for your sympathy with my plea for a course of wide and varied reading, and believe that you, too, would deprecate desultory reading as a means of direct education. "But," you add, "the necessary preliminary to such a course" (i.e., of wide and varied reading) "is, we think, the formation of the habit of intensive and concentrated attention which by no means comes naturally to the great majority of children, or even of adults." Now, what I venture to claim as a "discovery" is that attention— instant, concentrated, intensive—is not a carefully acquired habit, but a fully developed power, present, I think, in all normal children, and even in those who are stigmatized as backward or deficient. Practically every child is prepared to give the sort of attention a barrister gives to his brief (*trained* attention in his case), given the sort of "brief" proper to the mind at a given age.

This is so large a claim, that I should like to support it by reference to a unique pamphlet prepared by Mr. H. W. Household, (Secretary for Education, Gloucestershire). This gentleman has succeeded in introducing the work in question into between thirty and forty Gloucestershire schools. Early this year he sent out a courteously worded letter to the Heads of the twenty-nine schools then doing Parents' National Educational Union work, inviting frank discussion of the methods by themselves, their staffs, and even by children in their schools. Admirable letters *pro* and *con* resulted, and these, accompanied by his own comments, Mr. Household presented as a report to his Committee.*

This report sets forth the principles on which we work, as gathered by the teachers themselves, far more fully than I can venture to do in a letter. One point will strike readers of this pamphlet—that such work, even as modified for elementary schools, requires able and intelligent teachers, qualified for a higher rôle than that of the "forcible feeding" too common in the school-room. In the hands of the efficient teachers of secondary schools, it should bring about an educational revolution, for, in the last resort no doubt, everything depends on the teacher.

Again, exception is taken to the fact that, "up to the present Miss Mason herself has made the choice of books suitable for each age to secure the results she claims." This is an obvious objection and a regrettable fact, but a moment's consideration will show that a homogeneous scheme of education must needs proceed from a single mind. Even were the matter worked by a Committee, one member would necessarily act and the others be lay figures. The patchwork character of much educational work—a plan picked up here, an idea there, a good textbook elsewhere, is one cause of the futility which distresses us. At the same time I should say that teachers have the option of substituting another book here and there for the one set, but perhaps the more faithfully the programme is followed the more successful and delightful are the results.

The article, noticed in *The Journal of Education and School World*, is now issued as a pamphlet, which heads of schools seriously interested in the subject are invited to apply for (to the

Secretary, P.N.E.U. office). Thanking you, Sir, for allowing me to call the attention of your readers to a discovery in a region too little explored.—I am, &c., CHARLOTTE M. MASON.
House of Education, Ambleside.

R.A.F. CADET COLLEGE ENTRANCE EXAMINATION, 1920.

To the Editors of *The Journal of Education and School World*.

SIRS,—Is nobody going to protest against the relegation of science to the Optional Group in this examination? Surely the candidates could, without undue strain, add one more to the five essential school subjects required for a pass. They are to be lads of seventeen and a-half at least, and are competing for admission to one of the most scientific branches of the national service. One wonders if the science professors of the R.A.F. Cadet College, or any other scientific people, were consulted about this.

A HEAD MISTRESS.

A WARNING.

To the Editors of *The Journal of Education and School World*.

DEAR SIRS,—We wish to call your attention to a very unpleasant incident which occurred to the mistresses of a school at Halifax. Two separate callers demanded payment for an advertisement in "Methuen's School List." Both principals of the school denied all knowledge of the advertisement, and communicated with us. We were able to inform them at once that a fraudulent demand was being made upon them, but unfortunately it has not been possible to apprehend either of the men. We think it well to let you know of this at once, as you may be able to warn other teachers, who might otherwise become victims.

We ought to add that we publish no school list of any kind in which advertisements are inserted at any charge.—We are, dear Sirs, yours faithfully, METHUEN & CO., LTD.

36 Essex Street, London, W.C.2.

July 31, 1919.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

Of the general "wonder and admiration" which, as Mr. Fisher lately said, our educational system is ultimately to excite we, well placed for seeing, have discerned abroad no germination. At home the evil effects of delayed reform grow daily more apparent. We ought to have had continuation schools long ago; and in them and in other schools there should have been taught that gospel of citizenship which America is now proclaiming with ebullient zeal. Thus, the *Historical Outlook* (x, 6) publishes a series of six articles on "Teaching Citizenship." In like manner *Religious Education* (xiv, 3), asking for the co-operation of the churches, treats of "Education for Citizenship in the Church School"; whilst five other papers in it relate to the "Education of the Adolescent for Democracy." The young, says the writer of one of them, must get training for democracy through training in democracy—they must have experience in the school of combined action, joint production, law-making, and graded activities. Again, the school as a miniature self-governing State is the theme of an article, "Morals by Rote?" in the *School Review* (xxvii, 6). Is such a use of the school to be contemned? In England we have put fiery torches into untrained hands and wonder now that the bearers threaten a wide conflagration. To a calm observer the shortage of discipline for democracy is as obvious as the shortage of coals.

Commercial rivalry between the United States and Britain will not affect their spiritual unity, to say aught impairing which were a sin against mankind. For the friendly competition, education to commerce is receiving fresh attention in America. Public commercial education was formerly offered at the close of the high school course (planned for the fifteenth to the completed eighteenth year of life), and, as few stayed to the end, the private commercial school waxed fat. It is now being placed at the beginning of the course, and adapted, stage by stage, to the maturity of the pupil. Salesmanship, the art of the shopkeeper, so despised in England, is to be promoted in the United States, as it is hoped, through "a new department of business education, with specially qualified teachers and with methods of procedure specifically adapted to secure the ends sought" (Bulletin No. 18, 1919, of the Bureau of Education). In older American books of arithmetic the metric system was treated

* Gloucestershire Report. P.N.E.U. Office, 26 Victoria Street, S.W.

as an exotic curiosity. To-day such organizations as the World Trade Club of San Francisco are making propaganda for its general adoption, so that international trafficking may be facilitated, and commerce brought into line with science. Even art education is affected by the general impulse, for in the coming contest America, for her industries, will need highly skilled designers, and she is resolved to train them for herself. With commerce as commerce this journal is not concerned; we approve well-considered measures of education to further it and—to ennoble it.

The Towner Bill (now before Congress), to create a Federal Department of Education, provides for a Secretary of Education, appointed by the President and ranking with the heads of other executive departments, and for an Assistant Secretary of Education. And the salaries? For the Minister, 12,000 dollars a year, and for his subordinate 5,000 dollars. "Not lavish," you say; but what State is lavish towards education?

"The University Register, 1918-1919," of Johns Hopkins University, indicates that the famous Baltimore academy is continuing, under President Goodnow, the prosperous activity that it developed under Presidents Gilman and Remsen. The assets of the University exceed 11,000,000 dols.; yet—for the principle of State aid to education is being extended in America—the Legislature of Maryland has granted to it for 1919 and 1920 an annual appropriation of 70,000 dols. In the wide field of instruction, we observe with interest that encouragement is given by Johns Hopkins to commercial studies, and 228 students, men and women, are following evening courses in business economics. The power to read technical German and French is held to be desirable in the case of the embryo chemist; it must be possessed by candidates for the degree of Doctor of Philosophy. Although the War caused a desertion of German for Spanish ("the jobless teachers of German became teachers of Spanish almost overnight," says Bulletin 48, 1918), scientific America, for all the German sins, will not ignore the language of Bunsen and Helmholtz. Prodigious of mental food, the University authorities do not neglect the bodies of their students. The Department of Physical Training has been placed in charge of a Doctor of Medicine as director. It is obligatory on every commencing undergraduate to present himself before the director of this department and undergo a careful physical and medical examination. Unless otherwise advised or incapacitated for any reason, he must take the physical training course during his first two years; for the high brow is not to be accompanied by the bent back.

In the field of classics Johns Hopkins lays stress on archæology and art—subjects in which German teachers were wont to excel English. The University maintains the *American Journal of Philology*. In the current number (XL, 2) Hon. Prof. Gildersleeve rightly upholds Greek accents (of which George Long, he says, was a sworn foe), and chides us for negligence in the use of them:—"Practical observance of the rules of Greek accentuation is still a stumbling-block in England, and the accuracy of English classical texts is due in large measure to the slaves of the Press. Grote's works are disfigured by false accents. Liddell and Scott's standard lexicon is by no means free from slips. That *canis grammaticus* Rutherford ignored the rule for the accentuation of the perfect infinitive active; and only a few years ago, in an eloquent plea for the study of Greek, an eminent historian, in quoting one of Sappho's 'jewels five words long,' managed (he or his printer) to get in five mistakes—accentual and other." We remark incidentally that some modern newspapers are as contemptuous of French accents as ever Lessing and the Eighteenth Century, also reproved by Prof. Gildersleeve, were of Greek. The foremost article in the American journal, on "The Centenary of 'Don Juan,'" contains much interesting critical and bibliographical matter about Byron's erratic poem and the continuations of it attempted mostly by servile imitators with no touch of genius.

FRANCE.

During the summer Internationalism has been the dominant note in University life. The new "relations franco-tchéco-slovaques" had to be cemented, and in May France sent delegates to the festival of the University of Prague. Students from Madrid came to Paris for a "Semaine Espagnole." At Paris, too, were welcomed representatives of our own Universities and of the Swiss; even Chinese students sought curiously the home of victory—the victory of which Victor Hugo was the prophet, as France justly acknowledged on the hundred and seventeenth anniversary of his birth. Internally the most important event in connexion with higher

education has been the nomination of a strong Commission extra-parlementaire, with M. Léon Bourgeois as President, to study projects relating to higher education and the financial support to be allotted to them. French opinion, in Senate and University, is almost unanimous for the defence of liberal culture in higher education: the French student must get at the University not only the knowledge that will enable him to practise his chosen profession with success and honour, but also the sense that that knowledge is but the fragment of a whole, and that above it there are large, general ideas to which he must rise by his own free effort. Yet the practical applications of science to life will not be neglected. Significant are the proposals to add representatives of agriculture and industry to University Boards and to create a National Council for Scientific Research; whilst at Caen an *Institut Commercial* has been attached to the Faculty of Law. In general, a fine spirit of exaltation pervades intellectual France.

No country can afford to do without continuation. It is stated (*L'Ecole et la Vie*, II, 44) that the Viviani Bill for the Education of the Adolescent is now to be revived. The Bill has been recast by the Ministry of Public Instruction upon the report of M. Dessoye, and reduced to simple and practicable clauses. Physical training will be compulsory for all the adolescent. Our readers may remember that under the Bill, as we outlined it, attendance of the continuation school was to be registered in a *livret scolaire*. M. Lafferre, the Minister of Public Instruction, is desirous of making the *livret scolaire* a record of the health as well as of the attendance of its holder. Improved attendance of the ordinary school would be a fit prelude to the introduction of the obligatory continuation school in France.

France, like the rest of Europe, is passing through a moral crisis. The increase of juvenile delinquency awakens widespread anxiety. In 1849 and 1850 the average number of offenders from sixteen to twenty years old brought before the courts was 8,000; in 1905 the tale reached 34,000, of whom 54 were charged with murder. To-day young criminals have grown still more numerous, their acts more barbarous, and often of refined cruelty. The suicide of the adolescent shows a distressing augmentation: from 1871 to 1875 the average number of cases a year for those under sixteen was 25; now the average is 120, and for those from sixteen to twenty it has risen in the same period from 168 to 781. The cause of it all, cry the Catholics, is the School without God. We shall recover ethical equilibrium, says M. Painlevé, independently of any positive, organized religion, by inspiring in the child soul a sense of human duty, and cultivating moral health as carefully as physical.

The Americans think (Bulletin No. 48, 1918, of the Bureau of Education) that our committee to inquire into the position of modern languages in the educational system of Great Britain, who ranked languages according to their importance, French, German, Italian, Russian, and Spanish, placed Spanish too low—at least, for American conditions, colonial and South American. In France, there has been a "slump" in Russian. For commerce or for culture, the French are out in quest of Spanish. There has just been established a Chair of Spanish at the Sorbonne; Chairs of Spanish are to be created also at Toulouse and at Bordeaux; whilst the *Instituts français* at Madrid and other towns of Spain will be developed and, if possible, a French *lycée* opened in the Spanish capital. The teachers in *institut* and *lycée* will promote at once the export of French and the import of Spanish.

An Anglo-American *entente* does not exclude an Anglo-French *entente*. But Britain and America, having the same literature, possess in it a spiritual bond which does not exist between France and Britain. Cross currents of literary influence there have been, but on this side and on that a lack of just appreciation. Voltaire's disparagement of Shakespeare is too trite to be quoted; of Voltaire, in his turn, Carlyle declared: "Of what we should strictly call poetry, he had almost no view whatever." And of these new "national poets," Paul Fort, Henri de Régnier, Jean Richepin, Joachim Gasquet, Francis Jammes, Mme de Noailles, and Paul Claudel, whose rank and order have recently been determined by a vote of French *littérateurs*, how many Englishmen, expert in French, could gauge the merits finely? The Latin genius is not as the Anglo-Saxon genius. And a writer of Latin race embodies his imaginations in words to delight his own people, not for the hypothetical glory of being "discovered" by America or Britain. National tastes differ. A League of Nations may group interests and ideas. "Elle n'arrivera pas à créer un goût universel et hybride, et fort heureusement le génie des peuples gardera son indépendance" (*L'Ecole et la Vie*, II, 36). In brief, literature is *national*. But science is *international*. America is inviting the nations to co-

On the Ministry.

At Johns Hopkins.

The "A.J.P.": with Gildersleeve on Greek Accents.

Obligatory Continuation on the way.

Juvenile Delinquency.

The Pursuit of Spanish.

Of Literature and Science.

operation in scientific research. Are they visionaries who see in such co-operation a means that will unite the participators firmly, as they share hopes and endeavours, communicate results, and rejoice over their several or joint contributions to the welfare of mankind? State aid for research may yield other as well as material fruits.

INDIA.

When we wrote lately of the need for more universities in India we had in mind not the multiplication of universities of the old type, but increased provision—indisputably necessary—for higher technical and commercial education. But it is stated (*Educational Review*, Madras, xxv, 3) that of 58,905 teachers in the secondary schools of India only 7,627 possess a university degree. Is not the fact indicative of a wider need? As to university subjects, the Madras Teachers' Guild, urging the educational value of geography, has asked the University of Madras to institute a Diploma of Geography and to give secondary teachers special facilities to prepare themselves for it. At Calcutta there was opened on July 15 a new class for the degree of M.A. in the vernaculars, which have not hitherto found a place in the curriculum for that degree; and instruction will be offered in the twelve vernaculars—Bengali, Hindi, Guzerati, Oriya, Assamese, Marathi, Canarese, Malayalam, Tamil, Telugu, Maithili, and Urdu. At matriculation examinations the number of the rejected continues to be large; thus, the Report of the United Provinces of Agra and Oudh for 1917-18 shows only 1,066 passing out of 5,126 candidates. A writer in the *Educational Review* (xxv, 4) suggests that the age for matriculation in India should be raised. We take the opportunity to point out that the English Education Act, exempting from the obligation to attend a continuation school all young persons of sixteen who have matriculated, may cause a rush of candidates for matriculation. Both in India and in England it might be well to consider anew the age for matriculation and to study the possibility of prescribing a clear, fixed, uniform standard of attainment.

NEW SOUTH WALES.

It is a sign of vigour that, when in the spring an epidemic made it necessary to keep the schools of Sydney closed for a while, the Director of Education issued admirable "Home Instruction Leaflets" to tide over the difficulty and prevent a waste of time. The Inspectors' Reports published in the official *Education Gazette* are frank and useful. One inspector emphasizes the importance of humanizing discipline; for "where discipline is external, the child is not being prepared for life in a free community, in which right conduct is, for the most part, a matter of self-choice." Training by observation continues to receive attention; but it is sometimes imperfect, as when rainfall is recorded without being brought into relation to the prevailing winds. At Longueville the inspector found it "refreshing" to see a boy of ten years stand before his class and deliver—in his own slow-coming, childish words—a little lecture on the crayfish that he had caught. Another Report tells of good work done in connexion with the local wild flowers. Again, many children in New South Wales are members of the Gould League of Bird Lovers; these are being invited to contribute to a memorial to Mrs. Mollie McNutt, whose "Songs of Bushland" and Nature-study stories have endeared her much to young Australians. We delight always to publish abroad the achievement of these obscure educators in the British Empire.

UNIVERSITIES AND SCHOOLS.

OXFORD.

University orations are usually learned, not to say abstruse; but they are not as a rule interesting reading. The Creweian Oration delivered by Sir Herbert Warren at the Encaenia, Oxford, this year is, for once, an exception. In the original, a scholar will find very genuine pleasure. Even in the translation there is such an abundance of wit, not to mention a still greater abundance of puns, that a copy is well worth the getting. References to the "Contemptibles," "U-boats," Tirpitz, the river Kishon, "W.A.A.C.'s" and "W.R.N.S.'s," "Zepps," and "Fathers of their Country" (Joffre and Haig) jostle each other in most diverting fashion. The sea of "Helle" as a "Hell" of ships and men, and the paragraph on "Pax, Tax, atque super Tax" are

(Continued on page 600.)

During the last fifteen years 6,904 U.C.C. Students have passed the Intermediate and Degree Examinations of London University, in addition to gaining 5,207 Successes at Matriculation.

University Correspondence College

(FOUNDED IN 1887.)

Principal: WM. BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.



Free Guides

to

LONDON UNIVERSITY

MATRICULATION

INTERMEDIATE ARTS, INTERMEDIATE SCIENCE,
B.A., & B.Sc. EXAMINATIONS.

Some Press Opinions.

"A well-organized Correspondence College, such as that which flourishes under the direction of Dr. Briggs, with its highly qualified and expert teachers, its clerical staff, and well-devised machinery, is a help of the most valuable kind."—*The Schoolmaster*.

"The tutors of the College are experts in clearing up difficulties, and no student who follows their instructions and has the necessary industry need anticipate failure."—*School World*.

"Having been in touch with students of the College for many years, we are convinced that the tuition is practical. The College Staff is one of remarkable brilliance."—*London Teacher*.

"A large organization that has developed remarkably upon its inherent merits. The College is doing eminently useful work."—*Educational Times*.

"The well-known University Correspondence College has now gone far in the direction of obtaining a monopoly of the best class of tuition by correspondence."—*Financial News*.

"The most remarkable modern educational institution in the kingdom, the most successful of its kind in existence."—*Publishers' Circular*.

"University Correspondence College is itself, in a sense, entitled to University rank, and in conjunction with London University, it is fulfilling a function of truly national importance."—*Educational News*.

"Of the many institutions which profess to provide tuition by correspondence the University Correspondence College is one of the oldest and it is certainly one of the best and most successful."—*Electrician*.

The above-mentioned Guides, post free to Private Students
from the Secretary,

NO. 14 BURLINGTON HOUSE, CAMBRIDGE.

**FIFTH
EDITION.**

ENGLISH HISTORY NOTE BOOK.

Now Ready.



Revised Throughout.

Brought up to date—

*August 4th, 1914. Declaration of War on Germany
by Great Britain.*

Also a New Appendix on—

THE STATE IN RELATION TO TRADE.

By M. A. ROLLESTON (First Class Historical Tripos),
with Introduction by the Rev. T. W. SHARPE, C.B.,
Principal of Queen's College, London, and late H. M.
Senior Chief Inspector of Schools.

APPENDICES containing Summaries of the Histories of
(1) Ireland, (2) Scotland, (3) Wales, (4) Great Britain,
(5) India, (6) The Army, (7) The Navy, (8) The Church,
(9) The Constitution, (10) Relations of England to
France, (11) The State in Relation to Trade, with
Glossary, Index, Bibliography, &c.

Bound in full stiff cloth. 380 pages.

Price **4s.** net.

DAVIS & MOUGHTON, LTD.,
BIRMINGHAM,
Educational Publishers,
And all Booksellers.

FROM

Sidgwick & Jackson's List

ADVANCE IN CO-EDUCATION.

Articles by various writers. Edited by ALICE WOODS. With an Introduction by HOMER LANE. 3s. 6d. net.

**THE YOUNG WAGE-EARNER, and
the Problem of his Education.** Essays
and Reports. Edited by J. J. FINDLAY, with
the Committee of the Uplands Association.
3s. 6d. net.

AN ADVENTURE IN EDUCATION

By J. H. SIMPSON. 3s. 6d. net.

.*.* Describes a very remarkable experiment in the
educative effect of self-government upon one of the lower
forms of a Public School. A book which is causing
much discussion in all genuinely progressive educational
circles.

**CHILD TRAINING: Suggestions for
Parents and Teachers.** By Mrs. ARTHUR
H. D. ACLAND. 2nd Impression. 3s. 6d. net.

POEMS OF TO-DAY: An Anthology.

Cr. 8vo. Stiff paper covers, 2s. net. Cloth,
3s. net. 16th Impression. 72nd — 82nd
Thousand.

The demand for this Anthology of contemporary
poetry, prepared by the English Association, is con-
tinually extending, and the book has been taken up and
recommended by a number of educational bodies,
including:—the Northern Universities Joint Matricula-
tion Board; the Glasgow Provincial Training College;
the National Home-Reading Union; and the L.C.C.
Education Committee.

MODERN ENGLISH WRITERS:

**Being a Study of Imaginative Literature,
1890-1914.** By HAROLD WILLIAMS. Author
of "Two Centuries of the English Novel."
Pp. xxx, 504. Demy 8vo. 12s. 6d. net.

.*.* A comprehensive account of the work of all the
chief writers of the period. The best book of reference
for all interested in modern English Literature.

"An excellently and often brilliantly written, sane, and refreshing
book."—*The Spectator*.

"A careful and very able performance; his criticisms are sound
and fearless."—*The Sphere*.

THE GLORY that was GREECE:
**A Survey of Hellenic Culture and Civiliza-
tion.** By J. C. STOBART. 3rd Impression.
With 200 Illustrations. Royal 8vo. Cloth,
15s. net.

SIDGWICK & JACKSON, Ltd.,
3 ADAM ST., ADELPHI, LONDON, W.O. 2.

surely worth the modest twopence charged by the Oxford Chronicle Company, who publish for that modest sum both the original Latin and the English translation.

WALES.

The Committee which is inquiring into the organization of secondary education will hold conferences in four centres in Wales, at Aberystwyth, Bangor, Cardiff, and Swansea—that is, at the seats of the University colleges—and each conference will probably be of two days' duration. The bulk of the evidence will, however, be taken in London, and it is understood that every effort will be made to expedite the proceedings in order that the report may be issued before the close of the year. Contrary to general expectation the meetings of the Committee will be private, but official summaries of the proceedings will be issued from time to time.

The Welsh Department of the Board of Education are about to initiate an interesting educational experiment which should receive the whole-hearted support of teachers throughout the Principality. The idea is to attempt the formation of a kind of Welsh Domesday Book, the material for which can be collected through the teachers and pupils who, between them, have access to a large amount of local lore which, through neglect, is in danger of becoming lost. The Honourable Society of Cymmrodorion and some private individuals have placed at the disposal of the Board the funds necessary for the purpose. Schools and colleges are invited to make a collection of Welsh field and place names, &c., in a given area and to mark on a quarter sheet of the six-inch Ordnance Survey map the spots to which the names are attached. The requisite material will be provided so that no expense will fall on any school or college or individual taking part in the experiments. Besides schools and colleges, all institutions interested in education—such as the Central Welsh Board, the National Library, the National Museum, and the Cambrian Archaeological Society—are asked to assist in making the collection, and when it is completed the whole of the material will be deposited in the National Library, where it will be available for students. The scheme is intended to correct the bookish character of much of the present day teaching, especially in history and geography, which are too often written without any reference to local conditions, and therefore suffer in interest and

are destitute of vitality. We therefore trust that the Welsh Department will receive the cordial support of all teachers and scholars who are in any way qualified to contribute towards the collection. Material for it should not be wanting, as Wales is particularly rich in local historical associations and interesting place-names.

Sir Henry Jones, of Glasgow University, in a special conference on education which he had summoned informally, outlined an interesting scheme for bringing University culture into closer touch with the democracy. His idea is to utilize the Churches and their organizations as links between the University and the people, and he appealed for their co-operation. The great social forces that were uplifting the community were no longer led by the Churches as in the past, but he thought that if they were to recognize their responsibilities more fully they could in a large measure restore their influence and so help to solve some of the dreadfully difficult problems of the present day. He appealed to them, therefore, to broaden their outlook, as it was well within their powers to extend their activities into the domain of education without any detriment to their more spiritual work. Why, for instance, should not every small town provide a three years' course in the humanities or in scientific subjects? The classes would be tutorial in character and the University would presumably supply the lecturers. There was no discussion at the conference, and therefore it is, at this stage, difficult to know how Sir Henry means to apply his scheme in practice. Granted that it is possible to gather together a sufficiently large number of persons willing to attend a three years' course, there still remains the very serious difficulty of providing suitable lecturers. The local minister or clergyman is but rarely qualified for the work, through inexperience and lack of training, and, therefore, unless the University is able to come to its rescue, the scheme will most probably collapse as soon as the first enthusiasm has passed away.

Another interesting contribution to the great mass of educational literature that is so freely distributed in Wales at present came from Prof. W. J. Gruffydd, of Cardiff College. Speaking at the Cymmrodorion Society he urged that the Eisteddfod and the University should be linked together to save what could be saved of the old culture of Wales. Apparently he would form a kind of

(Continued on page 602.)

NOVELLO'S VOCAL MUSIC FOR SCHOOLS AND COLLEGES.

FOLK-SONGS.—The cult of the Folk-song is now recommended by educational authorities, and is general in all classes of Schools. In this department Messrs. Novello have had the co-operation of Mr. CECIL SHARP, who is admittedly an outstanding authority in this branch of musical investigation and study. The series is published in single numbers at 2d., and in books, containing nine or more numbers, at 1s.

MODERN SONGS AND PART-MUSIC.—Amongst the eminent modern British composers who have contributed to the series are Sir Alexander Mackenzie, Sir Hubert Parry, Sir Edward Elgar, Sir Charles Stanford, Sir Frederick Bridge, Sir Frederic Cowen, Edward German, Granville Bantock, Dr. H. Walford Davies, Dr. Arthur Somerville, Dr. Vaughan Williams, Dr. George Bennett, Dr. Eaton Fanning, Frederick Corder, Myles B. Foster, Thomas Dunhill, G. T. Holst, John Ireland, Joseph Holbrooke, George Rathbone, Rutland Boughton, Percy Fletcher, B. Luard-Selby, Oliver King, and Colin Taylor; and past generations are represented by Sterndale Bennett, Smart, Stainer, Barnby, Macfarren, Gaul, Battison Haynes, R. H. Macdonald, Bishop, Dr. Arne, Thomas Morley, and Henry Purcell. Published in single numbers, usually at prices ranging from 1½d. to 6d.; also in cheap books, each containing generally eight or nine songs of about the same degree of difficulty.

CANTATAS, OPERETTAS, &C.—Sir Frederick Bridge, Sir Frederic Cowen, Dr. Arthur Somervell, J. D. Roeckel, Dr. Herbert Wareing, Dr. H. Walford Davies, Dr. Eaton Fanning, Percy Fletcher, G. T. Holst, Dr. Dunstan, George Rathbone, and B. Luard-Selby have made notable contributions to this section of the school series.

CLASSICAL SONGS.—In Novello's Catalogue there are numerous specimens. Three volumes of CLASSICAL SONGS, each containing between thirty and forty songs by Handel, Bach, Haydn, Mozart, Beethoven, Schumann, Cornelius, Mendelssohn, Brahms, and others, are published (with the accompaniments as written by the composers) at TWO SHILLINGS AND THREEPENCE per volume. These songs are also issued separately at prices ranging from 1½d. to 4d., and in cheap Books, each containing five or six songs.

Selections of Music will be sent on approval, and NOVELLO'S Classified School Catalogue will be forwarded on application.

London: NOVELLO & CO., Ltd., 160 Wardour Street, London, W.1.

W. & A. K. JOHNSTON'S PUBLICATIONS.

IMPERIAL WALL MAPS, 72×83 EUROPE.
LARGE SCHOOL WALL MAPS, 50×42 of ASIA.
SMALL SCHOOL WALL MAPS, 34×28 AFRICA.
WORLD.

A NEW SERIES OF HISTORY MAPS.

Printed in colours. Size 30 by 40 inches. Cloth, Rollers and Varnished. 7s. 6d. net each.
Or any Six Selected Maps, mounted on Cloth and fastened together on one Roller, with Metal Rims, 42s. net.

WALL ATLAS OF EUROPEAN HISTORY.

An Entirely New Series of History Maps

Designed to show at a glance the Chief Political Changes and National Movements from the FORMATION OF THE ROMAN EMPIRE TO THE BEGINNING OF THE GREAT WAR, 1914.

24 Maps. Size 40×80 inches. Cloth, Rollers, and Varnished. 7s. 6d. net each.

Or any Six Selected Maps, mounted as a Wall Atlas on Cloth and fastened together on one Roller with Metal Rims. £2 2s. net.

Detailed Prospectus, containing List of Maps, &c., post free on application.

ROYAL ATLAS OF MODERN GEOGRAPHY	-	-	-	Size of Maps
HANDY ROYAL ATLAS	-	-	-	20 by 25
WORLD-WIDE ATLAS	-	-	-	18½ by 14½
CLASS ROOM ATLAS	-	-	-	12½ by 10
MULTUM IN PARVO ATLAS	-	-	-	Royal 4to
				7½ by 10

ATLAS SENIOR GEOGRAPHY. EUROPE. " " MEDITERRANEAN LANDS.

Specially suitable for Upper Forms and Candidates preparing for the Oxford and Cambridge Locals and other University Examinations.

MODERN ATLAS OF COMMERCE.

48 pages of Maps printed clearly in brown. In strong paper covers. Without Index, 1s. 10d. net. With Index, 2s. net.

New Editions of W. & A. K. Johnston's Maps and Atlases with up-to-date Boundaries will be issued as soon as the Peace Conference in Paris has completed its work.

EDINA JUNIOR HISTORIES.

Suitable for Lower Forms of Secondary Schools, Upper Standards of Elementary, Higher Elementary, and Central Schools and Evening Continuation Classes.

Written on the most Modern Approved Methods.

Book	I.—The Age of Settlement.	B.C. 55—A.D. 1154.	1s. 4d. net.
"	II.—The Age of Chivalry.	A.D. 1154—A.D. 1485.	1s. 4d. net.
"	III.—The Age of Discovery.	A.D. 1485—A.D. 1603.	1s. 4d. net.
"	IV.—The Age of Strife.	A.D. 1603—A.D. 1713.	1s. 4d. net.
"	V.—The Age of Empire Building.	A.D. 1713—A.D. 1815.	1s. 4d. net.
"	VI.—The Age of Democracy.	A.D. 1815—A.D. 1918.	1s. 4d. net.

The Scottish Educational Journal.—"Miss Westlake and Mr. Franklin have performed a distinct service in issuing this 'age' series of histories. . . . The series seems to us to be on the most approved lines, and we heartily recommend it to our readers."

MACMILLAN & CO., LTD.,
ST. MARTIN'S STREET, LONDON, W.C. 2.

MURBY'S NEW SCIENCE SERIES.

For Secondary Schools, Colleges, and Electrical Engineering Classes.
"These are admirable little textbooks and are admirably suited for schools."—*Scottish Educational News*.

HOBBS' ARITHMETIC OF ELECTRICAL MEASUREMENTS.

Revised by A. RISDON PALMER, B.Sc., B.A.

Crown 8vo, with Diagrams. 2s. net.

Brief explanation; supplementary to the teacher's work; provides numerous well-selected examples for the student to work.

MAGNETIC MEASUREMENTS AND EXPERIMENTS.

A. RISDON PALMER, B.Sc., B.A., Head of the Matriculation Dept., The Polytechnic, W.

Crown 8vo, 128 pp. 26 Diagrams. With answers. 2s. net.

Each chapter contains a set of experiments, arranged to reduce a duplication of apparatus as far as possible (for graphical questions), a short account of the theory to supplement the class lesson, some fully worked examples, and a set of carefully graduated exercises for the student to work. The subjects treated are (e.g.) Pole Strength, Coulomb's Law, The Tangent Position of Gauss, Comparison of Magnetic Moments, Time of Vibration of a Magnet and the Declination and Dip.

"This splendid little book."—*Electricity*.

ELECTRICAL EXPERIMENTS.

By the same Author.

Crown 8vo, many Diagrams. 2s. net.

A course in Experimental Electricity for one or two years. Details are given as to Apparatus and the method of procedure, and the setting out of results. Questions are frequently asked to see that the meaning of the experiments has been grasped. The book covers such ground as a simple lamp circuit, arrangement of cells, series and parallel circuits, Ohm's Law, Silver plating, Accumulator making, the Magnetic and Heating effect of a Current, Induction, Bells, Telephones, Telegraphs, Series Motors, the Wheatstone Bridge, P.O. Box, and Potentiometer.

"The treatment is very practical."—*Electricity*.

RELIGIOUS KNOWLEDGE.

MURBY'S

NEW SCRIPTURE MANUALS.

Abreast of modern scholarship and modern methods of teaching.

Larger Manuals for Upper Forms.

By G. W. Wade, D.D., and J. H. Wade, M.A.

II SAMUEL (R.V.) ... net 4/-

By Charles Knapp, D.D.

ST. MATTHEW (in preparation)

ST. MARK... .. net 2/6

ST. LUKE... .. net 4/-

THE ACTS... .. net 4/-

Smaller Manuals for Lower Forms.

By G. W. Wade, D.D., and J. H. Wade, M.A.

II SAMUEL (R.V.) ... net 2/-

By Charles Knapp, D.D.

ST. MATTHEW... .. net 2/-

ST. MARK... .. net 2/-

ST. LUKE... .. net 2/-

THE ACTS Vol. I (i-xvi) .. 2/-

Vol. II (xvii-xxviii) .. 2/-

STUDY CIRCLE OUTLINES.

By Dr. KNAPP.

No. 1. STUDIES IN THE ETHICAL TEACHING OF OUR LORD IN THE GOSPEL OF ST. LUKE. A valuable and suggestive paper. Based on the smaller manual on St. Luke. Price 2d. post free.

IN PREPARATION.

No. 2. THE MINISTRY OF JESUS. Based on the Smaller Manual on St. Mark.

No. 3. THE LIFE OF THE EARLY CHURCH. Based on the Smaller Manual on the Acts, Vol. I (i-xvi).

No. 4. ST. PAUL, THE MISSIONARY. Based on Smaller Manual on the Acts, Vol. II (xvii-xxviii).

No. 5. THE GOSPEL OF THE KINGDOM. Based on the Smaller Manual on St. Matthew.

STEREOSCOPIC VIEWS.

To illustrate the Physical and Historical Geography of Palestine.

A knowledge of the land is essential to a true knowledge of the book.

Messrs. Underwood have prepared three sets of their excellent stereoscopic views of Palestine and the East specially adapted to educational purposes.

(1) THE PHYSICAL FEATURES OF THE LAND. (II SAMUEL)
(2) THE SCENES OF THE MINISTRY OF JESUS. (THE GOSPELS.)
(3) THE CITIES OF ST. PAUL. (THE ACTS.)

THOMAS MURBY & CO.,

1 FLEET LANE, LUDGATE CIRCUS, LONDON, E.C.4.

National Academy higher in authority than either, though he did not make it quite clear what its functions were to be, nor how it was possible to combine such an institution as the Eisteddfod with the University. The former, which is an interesting social function where musical competitions are the predominant features, has in reality but little in common with the University, and it is doubtful whether much would be gained by associating it with any other institution. Generally speaking, most of the addresses on education at the Corwen Eisteddfod were marred by too many sneers at our present educational system. The national note was sounded far too loudly, and in too many instances the speakers simply indulged in meaningless generalities about "Welsh ideals" and displayed a lack of sympathy with the work of the schools, with the result that their speeches lacked helpful criticism and guidance.

Mr. John M. Judd, Head Master of West Suffolk County School, has been appointed Head Master of Penarth County School, in succession to Mr. Griffith Jones, who has retired.

We regret to learn that Mr. H. R. Olley, Head Master of Llangollen County School, has died after a long illness. Mr. Olley was appointed Head

Master in September 1894, and therefore was

one of the early appointments under the Welsh Intermediate Act. He had graduated as a Wrangler, and had a highly successful career at Llangollen.

Miss M. E. Price, Head Mistress of Llandovery Dual School, has also passed away. Miss Price was in the unique position in Wales of occupying the headship of a dual school.

SCOTLAND.

Captain John D. Craig, R.F.A., has been appointed to the Chair of Latin at Queen's University, Kingston, Canada. Prof. Craig was a distinguished student of Classics at St. Andrews and Oxford.

He was afterwards Assistant in Classics at St. Andrews and later at Kingston. At Oxford he distinguished himself in athletics, and he volunteered for active service on the outbreak of the war.

The University Court have made appointments to five new Chairs, as follows:—To the Gardiner Chair of Bacteriology, Dr. C. H. Browning, Professor of Bacteriology in the University of London

and Director of the Bland-Sutton Institute of Pathology at the Middlesex Hospital; to the Gardiner Chair of Physiological Chemistry, Dr. Edward P. Cathcart, Professor of Physiology, London Hospital Medical School; to the Gardiner Chair of Organic Chemistry, Dr. Thomas S. Patterson, Waltonian Lecturer and Lecturer in Organic Chemistry, University of Glasgow; to the Marshall Chair of Modern Languages (French, &c.), Mr. Charles A. Martin, Lecturer in French, University of Glasgow; and to the William Jacks Chair of Modern Languages (German, &c.), Dr. Herbert Smith, Lecturer in German, University of Glasgow.

The University Court have appointed Mr. Alexander Findlay, Professor of Chemistry at the University College of Wales, Aberystwyth, to the Chair of Chemistry, in succession to Prof. Soddy, now

Aberdeen.

of Oxford. The Court have also appointed Mr. A. Mackenzie Stuart to the Chair of Law, in succession to Prof. Irvine. The Court have made the following appointments to Lectureships:—Conveyancing—Mr. A. C. Morrison; Accountancy and Business Methods—Mr. Henry A. Davidson, Solicitor and Chartered Accountant; Banking—Mr. R. H. Cowie, Royal Bank of Scotland, Aberdeen; Education—Miss Bairstow; Geography—Mr. John McFarlane, Reader in Geography, University of Manchester; Economic History—Mr. Arthur Birnie, George Watson's College, Edinburgh. Mr. Donaldson R. Thom has intimated his intention of retiring from the Secretaryship of the University, after about twenty-seven years' service.

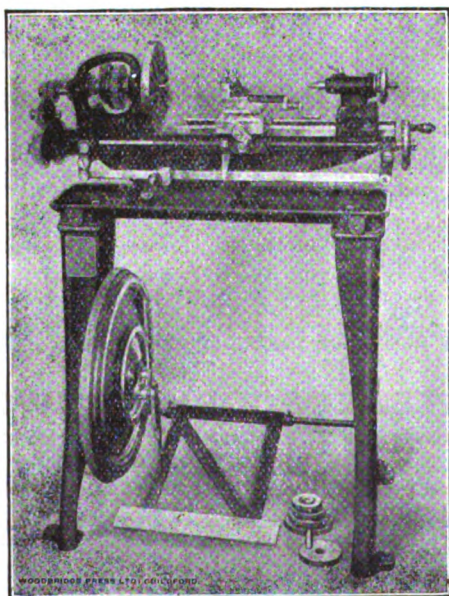
The death is announced of Emeritus Prof. W. S. Greenfield, who occupied the Chair of Pathology in the University from 1881 to 1913. He was a graduate of London University and made many important investigations in his subject. The University Court have made the following appointments to Chairs:—Logic and Metaphysics—Prof. Norman Kemp Smith, formerly Professor of Philosophy at Princeton University, U.S.A.; Therapeutics—Dr. Meakins, McGill University, Montreal; Moncrieff-Arnott Chair of Clinical Medicine—Dr. Francis D. Boyd. Mr. T. P. Laird, Secretary of the Society of Accountants, has been appointed Lecturer in Accounting and Business Method, to become Professor when the Ordinance for the Chair in that subject has been approved. Mr. William Wilson has been appointed Secretary of the University, in succession to Sir Ludovic Grant, Bart, resigned.

Edinburgh.

(Continued on page 604.)

DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable. DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable. The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work.



As supplied by the British Admiralty.

Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD.

JAMES GRAY LTD.

HEATING ENGINEERS,
DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone:
Western 201.

Telegrams:
Gray 201 Western London.

HARRAP'S NEW AND STANDARD TEXT-BOOKS.

HARRAP'S INTRODUCTORY ALGEBRA.

By WILLIAM FARQUHARSON, M.A., Daniel Stewart's College, Edinburgh. Crown 8vo. 180 pages. With Answers, 2s. net. Also without Answers, 1s. 9d. net.

From the *Principal of a Preparatory School*:—"Farquharson's *Algebra* is first-rate, and I shall put an order through in due course. I hope the book will have the success it deserves, for, of the large number of elementary *Algebras* I have perused in my search for something suitable for beginners, this is the only one that appears to have realized and provided for the extraordinary difficulty of the subject for small boys."

ENGLISH EXTRACTS AND EXERCISES.

For Comparative Study and Training in Composition. By F. H. PRITCHARD, Lecturer in Literature at the Municipal Technical School, Devonport. Large Crown 8vo. 256 pages. 2s. 6d. net. (*Prospectus on application.*)

An admirable practice-book in English for lower and middle forms in secondary schools and for upper classes in primary schools. The main idea is to centre all the week's work in English round a suitable extract. The exercises are abundant and in many cases novel in character. No essential point in elementary English is left untouched, and wherever possible opportunity is taken to stimulate interest in the author or extract under consideration.

STUDIES IN LITERATURE.

By F. H. PRITCHARD, Author of *English Extracts and Exercises*. 208 pages. Crown 8vo. 2s. 6d. net.

This volume follows the author's previous work, and provides a more advanced and detailed course.

A SCHOOL GRAMMAR OF PRESENT-DAY FRENCH.

By J. E. MANSION. Crown 8vo. 256 pages. 3s. 6d. net.

A new French Grammar for middle and senior forms, special features of which are the stress laid on fundamental principles, and careful differentiation between the normal constructions of the language and those which belong to emotional, colloquial, or literary expression.

THE BEGINNER'S FRENCH READER. [Ready shortly.]

With Music, Exercises, and Complete Vocabulary by PETER J. SCHERER. Illustrated. Crown 8vo. 160 pages, limp. 1s. 9d. net.

PRACTICAL LATIN COURSE FOR BEGINNERS.

By F. P. MOULTON. 3s. 6d. net. Designed to lead in one year to the reading of Caesar and Ovid.

COMMERCIAL SPANISH.

[Ready shortly.]

By Prof C. F. McHALE. With Illustrations, Maps in Colour, Complete Vocabulary, and Full Index. Crown 8vo. 332 pages. 5s. net.

A unique textbook for learning through the medium of Spanish not only that language itself, but also many important facts about commercial procedure in countries in which Spanish is spoken.

ENGLISH GRAMMAR AND COMPOSITION.

A PRACTICAL COURSE IN INTERMEDIATE ENGLISH.

By EDWARD ALBERT, M.A., George Watson's College, Edinburgh. Second Edition. Crown 8vo. 272 pages. 3s. net.

This course is designed as an introduction to *A Practical Course in Secondary English*, of which Mr. Albert was joint Author.

A PRACTICAL COURSE IN SECONDARY ENGLISH.

By GEORGE OGILVIE, M.A., Broughton Junior Student Centre, and EDWARD ALBERT, M.A., George Watson's College, Edinburgh. With Complete Index. Crown 8vo. 500 pages. 5s. net.

Also in Three Parts:

- Part I. Style. 184 pages. Limp. 2s. 3d. net.
- Part II. Form. 176 pages. Limp. 2s. 3d. net.
- Part III. History of the English Language. 160 pages. Limp. 2s. 3d. net.

Also Parts I and II in one volume. 350 pages. 4s. net.

"The book has a distinct value; the exercises are abundant and well chosen, the section on the history of the language is very good indeed, and grammar is treated as the living tutor of expression."—*The School World*.

PRACTICAL ENGLISH COMPOSITION.

By C. M. GERRISH, B.A., and M. CUNNINGHAM. Adapted and edited for English Schools by E. W. EDMUNDS, M.A., Luton Modern School. Large crown 8vo. 320 pages. 4s. net. Also Section I. 112 pages. 2s. net. Sections II and III. 224 pages. 3s. net.

This book is on new lines. The freshness and interest of the material, the clearness and detail of its analysis, the excellent practice work and lists for reading which it contains will all help to make it such a book as English teachers have long been looking for. *Prospectus free on application.*

MES PREMIERS PAS EN FRANÇAIS.

By M. L. CHAPUZET and W. M. DANIELS, D.Lit. Illustrated. Crown 8vo. 128 pages. 1s. 9d. net. With Picture Vocabulary. 2s. net. Vocabulary only, sewed, 4d. net.

Eight Coloured Wall Plates to accompany the above. Illustrated Prospectus will be sent on application.

A FIRST YEAR OF FRENCH FOR YOUNG BEGINNERS.

By J. E. MANSION, B. ès L. New Edition, revised and enlarged. With Illustrations. Crown 8vo. 2s. net.

LE PETIT VOCABULAIRE.

By ALBERT A. MERRAS, Ph.D. Size $5\frac{1}{2} \times 3$ inches. 72 pages. 8d. net. Contains classified lists of two thousand common French words with their English equivalents.

GUERBER'S CONTES ET LÉGENDES, I.

By H. A. GUERBER. Newly edited by J. E. MANSION, B. ès L., and E. MOFFETT, M.A. With entirely new Vocabulary and many illustrations. Small crown 8vo. 224 pages. 2s. net. Including Mansion's *Materials for Conversation*, &c. 2s. 6d. net. Prize Edition, Half Leather, 4s. net.

MATERIALS FOR FRENCH CONVERSATIONS AND EXERCISES.

Based on *Contes et Légendes*, Part I. By J. E. MANSION, B. ès L. Sewed. 9d. net.

LA JOURNÉE D'UN PETIT LYCÉEN.

Par A. AUZAS. With Exercises and Vocabulary. Illustrated. 64 pages. 9d. net.

Twenty-four short chapters illustrative of the life, in and out of school, of a young French boy. The Museums, the Zoo, the Circus, Punch and Judy, riding and skating, are also described.

POUR CHARMER NOS PETITS.

Par Mlle A. CAPUS. Edited by C. FAIRGRIEVE. With *Exercices de Langage* and Vocabulary. Illustrated. Crown 8vo. 120 pages. 1s. 9d. net.

CHOIX DE CONTES POPULAIRES DE LA HAUTE-BRETAGNE.

Par PAUL SÉBILLOT. Edited, with Vocabulary, by KATE SHELTON, B.A. 64 pages. 9d. net.

CHOIX DE POÉSIES FACILES.

Edited, with hints on French Prosody, Notes, and Vocabulary, by W. M. DANIELS, D.Lit. 64 pages. Small crown 8vo. Limp cloth. 9d. net.

HEATH'S PRACTICAL FRENCH GRAMMAR.

By W. H. FRASER and J. SQUAIR. 532 pages. 5s. net. Section I, 3s. net. Section II, 3s. 6d. net. A complete course.

HEATH'S MODERN FRENCH GRAMMAR.

By W. H. FRASER and J. SQUAIR. 4s. 6d. net. Also in Two Parts, 2s. 6d. net each. For Preparatory, Junior, and Middle Grades.

ELEMENTARBUCH DER DEUTSCHEN SPRACHE.

By A. WERNEK-SPANHOOFD. 3s. 6d. net. For Junior and Middle Grades.

HARRAP'S MODERN GERMAN GRAMMAR.

By W. H. FRASER and W. H. VAN DER SMISSEN. 4s. 6d. net. For all Grades.

FIRST SPANISH COURSE.

By E. C. HILLS and J. D. M. FORD. 4s. 6d. net.

HEATH'S PRACTICAL SPANISH GRAMMAR.

By Profs. E. C. HILLS and J. D. M. FORD. With Exercises and Vocabulary. New Edition, enlarged. 340 pages. 5s. net.

ITALIAN GRAMMAR.

By C. H. GRANDGENT. 2s. 6d. net.

HARRAP'S PRACTICAL RUSSIAN GRAMMAR.

By R. T. CURRALL. With full Phonetic Transcript, Specimens of Hand-writing, and Vocabulary. 6s. net. Key, 5s. net. [Ready shortly.]

A Catalogue of Messrs. HARRAP'S Educational Publications will be sent post free on application. Keys (for Teachers only) can be supplied for most of Messrs. Harrap's Grammars.

GEORGE G. HARRAP & CO., LTD.

Directors: George G. Harrap and G. Oliver Anderson.

2 and 3 PORTSMOUTH STREET, KINGSWAY, W.C. 2.

Miss Mary Burns, Doctor of the University of Paris and an Honours Graduate of Edinburgh, has been appointed Lecturer in French.

The Report for 1918-19, the last of a series dealing with the old regime, shows that the tendency to irregular attendance of pupils has not been appreciably checked. The measures taken to maintain the teaching staffs have been satisfactory, and the

Education Department's Report.

proportion of teachers employed without some technical qualification has been surprisingly small. The pressure has been considerably relieved by the steady demobilization of teachers. For the purpose of increasing teachers' salaries, a sum of £463,147 was distributed for the period from April 1, 1918, to May 15, 1919. The general effect of the grant has been to raise the average salary from £112 in 1916 to £134. Figures are given showing the decrease in the number of students in training to be teachers. In 1913-14 the numbers were 508 men and 2,062 women; and in 1918-19 there were 38 men and 1,884 women, the total decrease being 648. An increase in the numbers is expected next year. The proportion of teachers to scholars is now one certificated teacher to every thirty-four children in average attendance. The number of certificated teachers, including those on war service, in 1917-18 was 21,807 (5,063 men, 16,744 women); of provisionally certificated and assistant teachers 311 (16 men, 295 women) and of pupil teachers 2 men and 4 women.

The Scottish Education Department, after consultation with representatives of the Education Authorities and of the teaching profession, have prepared a set of minimum national scales of salaries for

Teachers' Salaries.

teachers. The amounts to be paid to any teacher are to be independent of any payment made to him or her out of any bequest or endowment the object of which is to secure special emoluments to any class of teachers or to the teachers of any special locality. The scales of salary are arranged in three main sections:— (1) Basic scales for all recognized teachers—men, £150, rising by £10 to £250; women, £130 rising by £5 to £150 and by £10 to £200. (2) Modifications of basic scales for various classes of teachers, e.g. certificated teachers with three years' training; the same with four years' training; the same if graduates; teachers of higher subjects in intermediate or secondary departments. The salaries of these classes of teachers range from a scale of £160 to

£280 to a scale of £250 to £400 for men, and from a scale of £140 to £210 to a scale of £200 to £350 for women. (3) Annual payments in respect of special responsibilities to be made in addition to salary on scales (1) and (2) to head teachers in primary schools, according to the number of teachers in their schools, £10 to £300; first assistants or second masters in large schools and nominated senior women assistants in large mixed schools under a head master—education authorities to submit proposals for the approval of the Department; infant mistresses in schools with not less than six teachers, £18 to £102 according to the number of teachers; in intermediate and secondary schools head teachers and principal teachers of higher subjects, who supervise the work of other whole-time teachers in these subjects—no definite scale, but individual education authorities to submit proposals for the approval of the Department. Where a teacher's house is provided, modification may be made to an extent not exceeding the assessed value of the house. Only service in the Scottish schools is to be taken into account; but cases in which a teacher has served for a long period outside Scotland may be taken into account. Service with H.M. Forces given by recognized teachers subsequently to the date of their recognition shall count as equivalent to service in Scottish schools.

The Glasgow Authority have resolved to grant free books and stationery to all pupils attending the schools administered by the Authority, except the high schools. The Director of Education has estimated the cost at £64,298 if the resolution is applied to pupils up to fourteen years of age. If the school age is raised to fifteen, the estimated extra cost will be £18,000. In Edinburgh free books and stationery have been supplied since 1882.

The Perthshire Authority have appointed Mr. John M. Dawson, Rector of Bell-Baxter School, Cupar, Fife, to be Director of Education at a salary of £800 rising to £1,000.

IRELAND.

The Rules and Programme of the Intermediate Board for the new school year commencing this September have not yet been published. This is a cause of serious inconvenience to the schools. The Assistant Commissioners have issued a memorandum.

(Continued on page 606.)

From MR. HERBERT RUSSELL'S LIST.

ENGLISH COMPOSITION : A Systematic Course

for School Use. By HARRY PINE.

Teacher's Edition. Crown 8vo, cloth. Price 2s. net.

Pupil's Edition. In Two Parts. Price 8d. net each.

SCHOOL POETRY (Part I) for the Junior Division.

Crown 8vo, limp cloth, 64 pp. Price 6d. net.

SCHOOL POETRY (Part II) for the Senior Division.

Crown 8vo, limp cloth, 144 pp. Price 9d. net.

BOOK WAYS : A Fascinating History of English

Literature. By EDITH KIMPTON, M.A., A.K.C. New Edition. Crown 8vo, cloth, 296 pp. Price 3s. net.

THE STORY THREAD. By EDITH KIMPTON,

M.A., A.K.C. Illustrated with 21 line drawings by PETER CAMPBELL. Crown 8vo, 155 pages. Price 1s. 6d. net.

BACON'S "NEW ATLANTIS." With an Introduction

and Notes by D. W. BEVAN. Crown 8vo, 68 pages. Price 1s. net.

JUST PUBLISHED.

The Ancient Civilisations Series. By EMILY M. BURKE, L.L.A., Senior Mistress, Hornsey County School.

Book II.—THE VIOLET CROWN AND THE SEVEN HILLS. Cr. 8vo, cloth, 177 pages. With 11 Maps. Price 3s.

This second volume of the series traces the course of empire westward and presents the civilisations of GREECE and ROME in a style which will certainly arouse the keen interest of pupils from twelve to fourteen years of age. It will give them also clear and adequate impressions of the lasting contributions of these two Powers to that experience of the Ages which is the inheritance of modern states.

Although pupils who have read "THE SHINING EAST" (Book I) will feel a deeper interest in this book, it is nevertheless quite complete in itself.

For full particulars of Heaton's Geographies, Potter's Concurrent, Practical and Theoretical Geometry, and Students' Shakespearean Texts, &c., see our Catalogue, post free on application to

MR. HERBERT RUSSELL, 35 & 36 TEMPLE CHAMBERS, LONDON, E.C. 4.

MILLS & BOON'S NEW BOOKS.

MILLS & BOON will be happy to receive applications for Specimens from Heads of Schools and Teachers of special subjects. New Educational Catalogues sent post free.

ENGLISH GRAMMAR, WITH ANALYSIS AND PARSING.

By H. G. SMITH, B.A., Senior English Master, King Edward's School, Camp Hill, Birmingham; and G. H. BALL, M.A., Head Master, King Edward's School, Camp Hill. 2s. net.

ENGLISH COMPOSITION, INCLUDING PRÉCIS AND PARAPHRASE.

By H. G. SMITH, B.A., and G. H. BALL, M.A. 1s. 6d. net.

These books have been written with a view to providing a course in English Grammar and Composition suitable for use in secondary schools. They aim at explaining the fundamental rules of the language and making clear the difficulties which teachers of Latin and French experience in imparting a knowledge of their subjects to young boys.

The above two books are issued in one volume entitled "English Grammar and Composition," and form a three years' course in English. 3s. net.

POETRY FOR BOYS.

By STANLEY MAXWELL, M.A. 1s. 6d. net.

A collection of poems of established literary merit printed in bold type.

A NEW SCHOOL GEOMETRY.

Containing more than 1,700 carefully graduated exercises. By RUPERT DEAKIN, M.A. Crown 8vo. 2s. 6d. net. Also in two parts without Answers. Part I: The Properties of Lines, Triangles, and Quadrilaterals. 1s. net. Part II: Areas and their Algebraical Illustrations and the Properties of the Circle. 1s. 6d. net.

EXERCISES IN FRENCH FREE COMPOSITION FOR UPPER CLASSES.

By R. R. N. BARON, M.A., French Master, Cheltenham Grammar School. 185 Exercises. Sixth Edition. 1s. 6d. net.

A REFORM FIRST FRENCH BOOK.

Especially written for the use of Adult Students. By J. STUART WALTERS, D. ès L. Illustrated. 1s. net. Teachers' Edition on writing paper. 2s. net.

NOTES ON THE GOSPEL ACCORDING TO ST. MATTHEW.

With Questions and Concordance for the use of Schools and Young Students.

By the Rev. C. R. GILBERT, M.A. With 3 Maps and a Photograph. Crown 8vo. 1s. net.

DIRECT METHOD FRENCH TEXTS

Edited by R. R. N. BARON, M.A.

TRISTAPATTE ET GORET, Etc. Crown 8vo. 1s. net.

"The five simple stories contained in this book have been taken from the 'Livres roses Larousse.' Each is divided into short sections, and to each section there is an 'Exercice,' consisting of a set of French questions on the text, questions on grammar and vocabulary, and a subject for free composition."—*School World*.

PIERRILLE. By JULES CLARETIE. Crown 8vo. Second Edition. 1s. 6d. net.

"Well edited, with brief but adequate notes in French."—*The Journal of Education*.

TAMANGO and JOSÉ MARIA LE BRIGAND. By PROSPER MÉRIMÉE. Crown 8vo. Second Edition. 1s. net.

TAMANGO is also issued separately in limp cloth, at 4d. net. "A dramatic but fascinating story, well printed, with excellent exercises, notes in French, and a short account of the author."—*The A.M.A.*

LA BELLE NIVERNAISE. By ALPHONSE DAUDET. Crown 8vo. Fourth Edition. 1s. 6d. net.

"The editor has done his work well. The exercises are carefully arranged."—*The A.M.A.*

BUG JARGAL. By VICTOR HUGO. Crown 8vo. 2s. net.

"The exercises are particularly good, and include a sufficient amount of word-formation."—*Modern Language Teaching*.

CARTE DE GRAMMAIRE. By Miss L. E. THEEDAM, The Godolphin and Latymer School, Hammersmith. 6d. net.

A concise résumé of French accidence, written in French and intended to be used in connexion with Reform French Textbooks and readers, by pupils of Junior and Middle School forms.

AN INTRODUCTION TO HEAT.

By ARTHUR R. LAWS, B.Sc., and GEORGE W. TODD, B.A., D.Sc., Science Masters at the Royal Grammar School, Newcastle-on-Tyne. With 106 diagrams. 2s. 6d. net.

The main idea underlying it is that boys are gifted with a large amount of curiosity, and that, when they once realize that there is something behind many of the phenomena of everyday life, they are prepared to take a good deal of trouble to satisfy their inquisitive instincts.

OUTLINES OF APPLIED PHYSICS.

By H. STANLEY, B.Sc., Lecturer in the Merchant Venturers' Technical College, Bristol. With 75 diagrams. 2s. 6d. net.

EXPERIMENTAL MECHANICS AND PHYSICS.

By A. H. E. NORRIS, B.Sc. With 150 Diagrams and Answers to the Problems. Fifth Edition. Crown 8vo. 2s. net.

A FIRST SCHOOL BOTANY.

By E. M. GODDARD, B.Sc., Science Mistress, Girls' Secondary School, Colchester. With 207 diagrams. Second Edition. Crown 8vo. 2s. 6d. net.

ELEMENTARY QUANTITATIVE ANALYSIS.

By F. M. OLDHAM, M.A. With 11 Diagrams. Crown 8vo. Second Edition. 1s. 6d. net.

THE MERCHANT OF VENICE.

With revised Text, Questions, Notes, and Appendixes. By G. H. BALL, M.A., and H. G. SMITH, B.A. 1s. net. Text only, 6d. net.

THE TEMPEST.

Edited by FRANK JONES, B.A. 1s. net. Text only, limp cloth, 6d. net.

SHAKESPEARE'S KING HENRY V.

Edited by the Rev. C. R. GILBERT, M.A. 1s. net. Text only, 6d. net.

AS YOU LIKE IT.

Ed. by the Rev. C. R. GILBERT, M.A. With Notes. 1s. net.

A NEW SCHOOL ALGEBRA.

By W. J. WALKER, M.A., Head Master of Woodhouse Grove School, Apperley Bridge, Bradford. In two volumes, with or without Answers, 2s. net each; or in one volume, 4s. net.

"There are plenty of mental or oral questions and test papers. The type is large, and most left-hand pages begin with a new exercise. The examples are of the most part original and are carefully arranged."—*Mathematical Gazette*.

PREPARATORY ARITHMETIC.

By F. C. BOON, B.A., Principal Mathematical Master at Dulwich College. Second Edition. With Answers, 2s. net; without Answers, 1s. 6d. net. Answers separately, 6d. net.

A revised and enlarged edition of this well known book. A large number of new examples have been added, and the few misprints in the first edition corrected.

A FIRST SCHOOL CHEMISTRY.

By F. M. OLDHAM, M.A., Senior Science Master at Dulwich College. With 71 Illustrations. Sixth Edition. 3s. 6d. net.

GRAPHS IN ARITHMETIC, ALGEBRA, AND TRIGONOMETRY.

By W. J. STAINER, B.A., Head Master of the Municipal Secondary School, Brighton. With 120 Diagrams. 2s. 6d. net.

LATIN EXTRACTS FOR SIGHT TRANSLATION.

With Hints to Beginners. By G. H. BALL, M.A., Head Master of King Edward's School, Camp Hill, Birmingham. 1s. net.

THE NEW PRELIMINARY GEOGRAPHY.

By H. B. WETHERILL, M.A., Head Master of Allahabad High School. Seventh Edition. With Illustrations and 19 Diagrams. 2s. net.

MILLS & BOON, LTD., 49 RUPERT STREET, LONDON, W.1.

andum explaining that the Rules and Programme are not published by the Board but by the Government, and that they were forwarded to the Government for presentation to Parliament on March 14. The Government should have issued them after they had lain on the table of the Houses of Parliament for forty days, and had this been done they would have been in the hands of the public in May. An excuse is made of the printing strike in Dublin, but this did not begin until the last week in June. As a matter of fact, the Rules for 1920 are the same as for the present year, and the set books in the programme are, in nearly all cases, identical with those set in 1917.

Will this Programme be the last of its kind? Will there be a reform of the present system of intermediate education during the coming year? It is not certain, as the new Education Bill for Ireland has not yet been introduced. The Government

The Government and Irish Education.

have promised it at an early date, and it is understood that it will be brought forward in the autumn session. It is the duty of the Government to see it through. When bakers, policemen, miners, engine-drivers are receiving £4 a week, the claims of teachers put forward in the recent Vice-Regal Commissions become moderate indeed. Will the Government take their courage in their hands and set Irish education on a secure basis, or will they, by adopting half measures, leave everyone dissatisfied? It is a good sign to see not teachers merely but the labouring classes asking for increased facilities for education for workers up to a more advanced age. The Irish Union of Women Workers and the Irish Labour and Trade Union Congress are pressing for shorter hours and day classes for all boys and girls up to the ages of sixteen and eighteen, and it is essential that the opportunities now being opened up in Great Britain should be available in Ireland too.

The Intermediate Education Board have, for the first time, issued a pamphlet of thirty-nine pages containing reports of the Inspectors of the Board on the state of education in their districts.

Inspectors' Reports.

These reports are comments by each inspector on his own subjects in the schools he visits. They do not contain general suggestions for educational reform, but there is a mine of information in them as to the lines on which reform should proceed in various directions. Often criticisms are offered which the inspectors are well aware are at present "windy words." They are unanimous that

large numbers of students enter intermediate schools too late and without adequate foundation. Their parents are anxious for them to pass the Junior Grade, for which they are quite unfit, and their education is practically a failure. Under present conditions there is no remedy for this. Again, some suggestions are offered which schools would no doubt follow if they could, but they are hampered by the present system. Inspectors wish teachers to act as free men when they are really in chains.

GENERAL.

There is little doubt that the committee now set up under the guidance of Mr. Fisher in order to solve the question of salaries in public elementary schools will shortly be followed by a similar committee for the same purpose, but with reference to secondary- and technical-school teachers, probably for all who are engaged in higher education. The *Yorkshire Post* rather unkindly suggests that elementary-school teachers are being considered first because their claims are more clamorously and insistently advocated than are those of the secondary-school teachers. Badly paid as are the latter, the former are in even worse case.

Had the Government taken the matter in hand when the reports of the two Departmental Committees on salaries appeared two results would have followed: widespread and well-justified bitterness would have been avoided and also much real misery; the process of attracting entrants to the profession would have already begun. The figures given in Circular 1,124, just published, as to the shortage of teachers are in themselves a strong condemnation of the policy of procrastination so far as the second of these results is concerned.

Negotiations are in progress for the setting up of a Joint Advisory Council between the Association of Education Committees and the Joint Committee of the four major secondary associations, the Head Mistresses', Head Masters', Assistant Mistresses', and Assistant Masters' Associations. When this Advisory Council comes into being it will be parallel to that just completed between the same Association and the National Union of Teachers, the Joint Committee of the four Associations representing second-

(Continued on page 608.)

Baby Shows and Day Nurseries.

The organizers of the Day Nurseries will profit greatly by the practical experience of the Baby Shows and Infant Welfare Centres. Methods which have been successful and foods which have proved their worth there, will be adopted by the new Nurseries.

At the most carefully judged Baby Shows and the most carefully supervised Centres for Infant Welfare,

ROBINSON'S "Patent" BARLEY

has been tested and has stood the test. Again and again has the First Prize Baby at the Baby Shows proved to have been fed on Robinson's "Patent" Barley.

Many a baby never has a fair start in life—born sickly, ailing and unable to be fed by Nature's method. Yet from these frail, suffering little bundles of mortality Robinson's "Patent" Barley has produced fine sturdy children. That is why in the Day Nurseries this famous food will be adopted and will have yet other opportunities of bringing health and happiness to our little growing citizens.

Write for Free Literature,

Dept. "J.E.," c/o KEEN, ROBINSON & Co., Ltd., London, E. 1.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School).

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 1's at 3s. 6d. 2's to 7's at 3s. 11d.

GYM SHOES. Black canvas, with chrome leather soles sewn on. 12's to 1's at 4s. 11d. 2's to 6's at 5s. 11d.

DANCING SANDALS. Black glacé kid, hand sewn, sizes 2's to 7's at 12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,

SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.

SECOND-HAND SCHOOL BOOKS FOR USE NEXT TERM.

CATALOGUE NOW READY.

Please write for copy to—

GEORGE OVER, Educational Bookseller, RUGBY.

NEW AND RECENT TEXTBOOKS

MATHEMATICS

ARITHMETIC FOR PREPARATORY SCHOOLS

By TREVOR DENNIS, M.A., Head Master of Lady Manners' School, Bakewell, late Mathematics Master at Sherborne School. Crown 8vo., 4s.; or with Answers, 4s. 6d. Also issued in two parts, bound in limp cloth.

[Bell's Mathematics Series.]

This textbook follows the lines of the syllabus issued by the Curriculum Committee of the Head Masters' Conference. Chapters are included on Graphs, Logarithms, and Household accounts. Decimal Notation is introduced and illustrated by practical work. The examples cover a wide range, and revision papers are included after each set. The types used conform to the standard laid down by the British Association Committee.

ANALYTICAL GEOMETRY OF THE STRAIGHT LINE AND CIRCLE

By JOHN MILNE, M.A., Senior Mathematics Master of the Mackie Academy, Stonehaven. Crown 8vo. 5s.

[Bell's Mathematics Series.]

The examples in this work have been carefully constructed so as to bring into prominence the geometrical properties dealt with. Long lists of questions involving purely manipulative algebra have been avoided as dull and not presenting the subject in its true light.

A FIRST COURSE IN THE CALCULUS

By W. P. MILNE, M.A., D.Sc., Mathematics Master at Clifton College, Bristol, and G. J. B. WESTCOTT, M.A., Head Mathematics Master, Bristol Grammar School. Crown 8vo., with Answers, 3s. 6d.

[Bell's Mathematics Series.]

"Few young men know even the aims and objects of the Science of Mathematics, much less its applications, though they may have studied it for years at school. The reason is that the schoolboy is not pushed fast enough into the heart of the science, which is the Calculus."—Col. Sir Ronald Ross, in his Presidential Address to Science Masters.

STATICS and DYNAMICS, FIRST PARTS.

By R. C. FAWDRY, M.A., B.Sc., sometime Scholar of Corpus Christi College, Cambridge; Head of the Military and Engineering side, Clifton College. Crown 8vo. In one volume, 5s. Also Statics, complete, 5s., or in two parts: 3s.; 2s. 6d. Dynamics, complete, 5s., or in two parts: 3s.; 2s. 6d.

[Bell's Mathematics Series.]

COMMERCIAL ARITHMETIC AND ACCOUNTS

By A. RISDON PALMER, B.A., B.Sc., Head of Matriculation Department, and JAMES STEPHENSON, M.A., M.Com., B.Sc. (Econ.), Head of the Higher Commercial Department, both of The Polytechnic, Regent Street, London.

Part I, Third Edition, 3s. net; with Answers, 3s. 6d. net. Part II, Second Edition, 3s. net; with Answers, 3s. 6d. net. Parts I and II, complete in one volume, 5s. net; with Answers, 6s. net. Part III (in preparation). Answers separately, Part I, 6d. net; Part II, 1s. net; Parts I and II, together, 1s. 6d. net.

[Bell's Mathematics Series.]

"It almost makes one wish one were a modern child, so that one could be educated on such a book."—*Nature*.

Further details of this series will gladly be sent on application.

DIFFERENTIAL CALCULUS FOR COLLEGES AND SECONDARY SCHOOLS

By CHARLES DAVISON, Sc.D., Mathematics Master at King Edward's School, Birmingham. Crown 8vo., with Revision Exercises, Essays and Problem Papers, 6s.

Messrs. Bell also publish standard textbooks on

Arithmetic, Algebra, Geometry and Trigonometry, by Messrs. PENDLEBURY, BAKER and BOURNE, BORCHARDT and PERROTT, &c., particulars of which will be sent on application.

SCIENCE

INTRODUCTION TO INORGANIC CHEMISTRY

By ALEX. SMITH, B.Sc., Ph.D., F.R.S.E., Professor of Chemistry and Head of the Department Columbia University. 35th thousand. 10s. 6d. net.

EXPERIMENTAL INORGANIC CHEMISTRY

A Laboratory Outline for use with the above. 6th Edition, revised. 4s. net.

GENERAL CHEMISTRY FOR SCHOOLS AND COLLEGES

45th thousand. New Edition, revised and enlarged. 9s. net.

A LABORATORY OUTLINE OF GENERAL CHEMISTRY

For use with the General Chemistry. 4th Edition, revised. 47th thousand. 4s. net.

ELEMENTARY CHEMISTRY FOR SCHOOLS

Adapted for use in English Schools by H. A. WOOTTON, M.A., B.Sc., Head Master, Kingswood School, Lansdown, Bath. 6s. net.

A LABORATORY OUTLINE OF ELEMENTARY CHEMISTRY

For use with the Elementary Chemistry. 2s. 6d. net.

INORGANIC CHEMISTRY

By JAMES WALKER, D.Sc., Ph.D., F.R.S., Professor of Chemistry in the University of Edinburgh. Revised and enlarged. 11th Edition. Crown 8vo. 5s. net.

"It would be difficult to improve on this book."—*Scottish Educational Journal*.

INORGANIC CHEMISTRY FOR UPPER FORMS

By P. W. OSCROFT, M.A., Senior Science Master, Uppingham School. 496 pages, with numerous Diagrams. 2nd Edition. 6s. net.

"The exposition is very clear, and the blend of theory, informative description, and problems, will commend the work to many experienced teachers. . . . The work as a whole appears admirably fitted for its purpose."—*The Journal of Education*.

FRENCH

CONTES POUR LES COMMENÇANTS

By Mrs. C. M. NESBITT. With a Preface by MARC CEPPI, Whitgift School, Croydon. Illustrated, with full Vocabulary, 1s. 6d.

EASIEST FRENCH READER

By MARC CEPPI. Illustrated, with special exercises and with or without full Vocabulary. 1s. 6d. net.

"Educationally sound . . . These little sketches are full of interest."—*Times Educational Supplement*.

The types used in these books conform to the standard of the British Association.

NOUVEAUX RÉCITS HEROÏQUES

Fully Illustrated. With or without Vocabulary. 1s. 9d. net. Stories of the Great War, uniform with "Récits Héroïques" (1s. 9d.) and "C'est la Guerre" (1s. 6d.).

"There is no doubt that these tales will be read with absorbed interest by all the children who are at all capable of doing so. The last story, 'La Mort du Tank,' is exciting enough for any guide, scout or cadet."—*Times Educational Supplement*.

JEAN-ROBERT FLAMBARD, POTACHE

By M. A. DELANY, Professeur au Lycée de Tours. Illustrated from special photographs. Crown 8vo. 1s. 6d. net; or with Vocabulary and Notes, 2s. net.

"This account of a French lycée is delightful."—*The Journal of Education*.

FRENCH TABLES, including Adjectives, Pronouns and Irregular Verbs, with hints for Composition

By H. PUCKLE, M.A., Modern Language Master, Uppingham School, and formerly Master of the Army Class, Felsted School. Crown 4to. 1s. 6d.

This little book is an attempt to tabulate the chief elementary points of French Grammar on the lines of Mathematical Tables.

G. BELL AND SONS, LTD., York House, Portugal Street, W.C.2

dary-school teachers just as the National Union does primary. Both Advisory Committees have plenty of work before them in which they may justify their existence: the elementary have the greater amount in degree, the secondary in kind, since secondary education is at present full of anomalies which Local Authorities will have to face as they come to survey their educational areas and make comprehensive schemes under the Education Act of 1918.

At their summer conference the Association of Head Mistresses passed a series of resolutions, some of which deserve the widest publicity as representing the considered views of a body of practical teachers and educational organizers. Dealing, among other matters, with the "First School Examination" in secondary schools, they find:

The School Examinations.

that a candidate who has passed the First Examination without obtaining exemption from a Matriculation Examination and who subsequently obtains a higher certificate, should be exempted from the Matriculation or other University Entrance Examination; that a certificate of a Second Examination should entitle the holder to exemption from any University Intermediate Examination in the appropriate faculty; that the Second Examination should be organized on a basis of subjects and not of groups; and that the Second Examination should consist of not less than four subjects, of which two at least should be principal subjects.

It is now more than a year since the Departmental Committees on Science and Modern Languages issued reports which were welcomed as, in the main, pre-eminently sound. Yet the Government, so far as is known, have taken no steps towards putting their recommendations into practice. The Committee on English Language and Literature, now sitting, will presently be issuing yet a third report. Its conclusions—though they might have carried even greater weight had its membership included two or three more persons actually engaged in teaching in secondary schools—will be, no doubt, equally valuable. When the recommendations of a report are met by serious adverse criticism it is easily understood that the Board of Education may hesitate to advise action. Yet in the case, at least, of science and modern languages the great majority of teachers of those subjects are most anxious to see the recommendations carried out. The need is urgent, and the corresponding loss in educational efficiency very great.

Both the Assistant Mistresses' and the Assistant Masters' Associations are sending representatives (Miss Laurie and Mr. G. D. Dunkerley) to the Educational Section of the British Association,

British Association.

which meets this year at Bournemouth. Among other subjects before the meeting the two reports on the teaching of science will be discussed. It will be remembered that the Association at its Newcastle meeting in 1916 appointed a committee under the chairmanship of Sir Richard Gregory to report upon science teaching in secondary schools "with particular reference to the essential place of science in general education." This report was issued in 1917. Meanwhile, the Departmental Committee was set up, but did not report until 1918. This, then, is the first opportunity that the British Association will have of comparing and discussing the two reports at a general meeting, and science teachers are looking forward to an interesting and useful discussion. Continuation schools will form the subject of discussion upon another morning.

SCHOOLS.

UNIVERSITY OF MANCHESTER.—Among the awards of scholarships, the following entrance scholarships have been gained by girls:—Charles Robinson Scholarship: M. Hancock, Manchester High School for Girls; E. E. Williams, Leeds Girls' High School. Theodores Exhibition (one-half): K. H. Peters, Shipley Girls' High School. Bleakley Scholarship: J. Single, Manchester High School for Girls. Alice Fay Exhibition: F. Susman, Manchester High School for Girls. University Scholarships for Women: (1) Rachel Scott Scholarship—A. Gaskell, Leigh Grammar School; (2) Science or Medicine—F. Ashworth, Bacup and Rawtenstall Secondary School; (3) Lydia Kemp—A. Watson, Rochdale Secondary School.

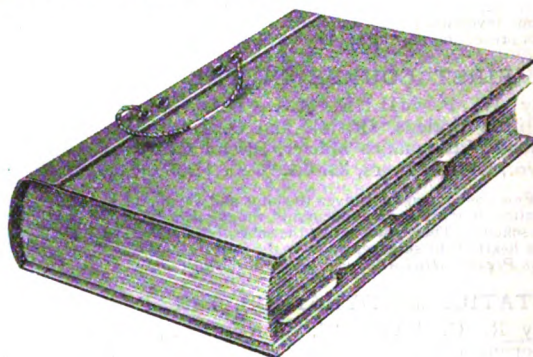
EDINBURGH, ST. GEORGE'S TRAINING COLLEGE.—At the recent examination of the Teachers' Training Syndicate, University of Cambridge, two out of the seven First Class Certificates granted for the Theory, History, and Practice of Education, and for Practical Efficiency were awarded to Miss M. F. Adams and Miss J. Harris. Six others were placed in the Second Class. Miss Adams has been appointed Assistant French Mistress at Manchester High School for Girls; Miss Lindsay, Classical Mistress

(Continued on page 610.)

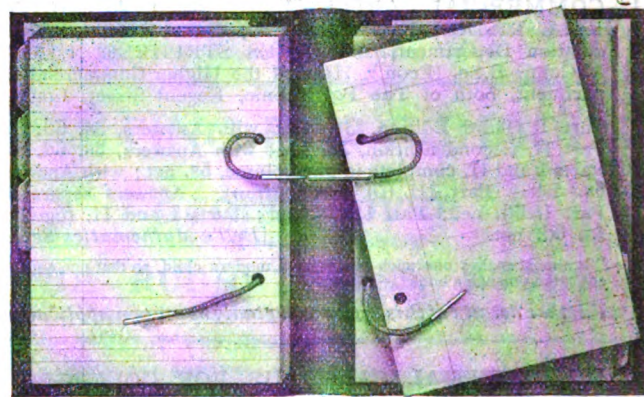
WM. HUNT'S OXFORD "IDEAL" LOOSE-LEAF EXERCISE BOOK.

(Patent.)

WM. HUNT'S Patent Ideal LOOSE-LEAF NOTE-BOOK constitutes the best and most convenient Higher Form and Science Class Exercise Book, Lecture Note Book, Loose-Leaf Scrap Book, Storage Covers for Notes, Letters and Papers of all sorts yet invented. The Book opens perfectly flat for writing, and binds up absolutely securely; can be un-made and re-made and the leaves transferred from one book to another or new leaves added in any manner without trouble and without risk of disarrangement or loss. No rings, posts, arches, or mechanism of any sort. Only one book necessary for many subjects. Each subject can be transferred to its own distinctive cover as convenient. 18 sizes and several qualities. Capacity one leaf or 300 with no lost bulk.



Showing the Book containing 300 sheets of paper closed. The Divisible Lace is here shown joined, by inserting the Pointed Tag into the Barrel Tag. When the Book is in use the Lace should be joined as above only. When not in use the lace ends may be tied in a bow knot.



Showing the manner of changing leaves. A leaf is shown withdrawn from one Divisible Lace before withdrawing it from the other.

PRICE LIST AND TERMS ON APPLICATION.

WILLIAM HUNT,
Manufacturing Academical Stationer,

18 Broad St. (opposite Balliol College), OXFORD.

Works: 11 ST. ALDATE'S.

Just Ready. THE Book for Teachers.

MODERN IDEAS AND METHODS.

By JOHN EADES, Head Master of Kirkstall Road School, Leeds; formerly Lecturer in English to Certificate Students at the Leeds Centre. Author of "The 'A.L.' New English Course."

Gr. 8vo, xii+191 pp., bound full cloth, net 3s. 6d. (postage 5d.).

This book is not merely a collection of ingenious "wrinkles," but an attempt to give guidance to teachers and students in method on modern lines, in a way somewhat different from that found in the usual method books. It is theory and practice combined, and is the outcome of many years' teaching experience.

The "A.L." "Compact" Record Book, No. 125, for Technical Schools and Institutes, Junior Technical Schools, Commercial and Continuation Classes, &c. net 1s. 3d.

The "A.L." "Acme" Record Book, No. 126, for Secondary Schools, Private Schools, Day Technical Schools, &c. net 2s.

Just the book for keeping Records of Progress to satisfy the Board of Education's requirements.

Both the above Record Books are compiled by
J. G. B. EDWARDS, A.M.I.M.E.

E. J. ARNOLD & SON, LTD.,
Leeds, Glasgow, and Belfast.

From MURBY'S GEOLOGICAL LIST

AN INTRODUCTION TO PALÆONTOLOGY. By A. MORLEY DAVIES, A.R.C.S., D.Sc., F.G.S., Lecturer on Palæontology, Imperial College of Science. *In the press.*

A NOMENCLATURE OF PETROLOGY. By ARTHUR HOLMES, D.Sc., A.R.C.S., F.G.S., Demonstrator of Geology and Petrology, Imperial College of Science. *In the press.*

PETROGRAPHIC METHODS AND CALCULATIONS. By ARTHUR HOLMES, D.Sc., A.R.C.S., F.G.S. *In the press.*

RUTLEY'S MINERALOGY. New Edition. Revised by H. H. READ, A.R.C.S., B.Sc. With Introduction by G. T. HOLLOWAY. 6s. net. *The Mining Magazine* says: "The greatness of Rutley is restored."

MINERALS AND THE MICROSCOPE. An introduction to the study of Petrology. By H. G. SMITH, A.R.C.S., B.Sc., F.G.S. 4s. net. "The handiest and best illustrated introduction that we possess."—*Nature*.

THE DETERMINATION OF MINERALS UNDER THE MICROSCOPE BY MEANS OF THEIR OPTICAL CHARACTERS. By J. W. EVANS, D.Sc., LL.B. (Lond.), of the Imperial College of Science and Technology. 2s. 6d. net. With 21 Diagrams.

GEOLOGICAL EXCURSIONS ROUND LONDON. By G. MACDONALD DAVIES, B.Sc., F.G.S. 4s. net. "It is altogether an excellent book, unlike any other."—*Schoolmaster*.

ELEMENTARY CRYSTALLOGRAPHY. By the late JAMES B. JORDAN. 2s. net. With coloured diagrams of the principal Crystals, from which a handsome set of models can be constructed.

A list sent post free of the 58 most useful Books on Geology issued by various publishers and supplied by T. Murby & Co.

COLLECTIONS, SECTIONS, AND APPARATUS.

To Illustrate Rutley's "Mineralogy."—Collections of minerals, Rock specimens, Mineral Crystals, set of 32 Wooden Models of Crystals, Blowpipe apparatus. Collections of Fossils.

To Illustrate Smith's "Minerals and the Microscope."—For the Polarizing Microscope—mounted mineral specimens for use in ordinary light, and in parallel and convergent polarized light; Quartz Wedge; Micaplate. **Representative Sections.**—IGNEOUS ROCKS: 12 Plutonic, 7 Hypabyssal, 10 Volcanic; 10 SEDIMENTARY ROCKS; 9 METAMORPHIC ROCKS. A list of 800 slides by the Lomax Palaeo Botanical Co. to select from.

COAL.

Various sets of Coal Fossils, Preparations and Transparencies illustrating the Natural History of Coal.

THOMAS MURBY & CO., 1 Fleet Lane, Ludgate Circus, E.C.4.

MATHEMATICAL AND OTHER WORKS.

The Modern Geometry of the Triangle. By WILLIAM GALLATLY, M.A. 2nd Edition, 124 pages, price 2s. 6d. (by post 2s. 9d.). *Specimen pages and Synopsis free.*

Tracts Relating to Higher Mathematics. By Rev. W. J. WRIGHT, M.A. No. 1.—DETERMINANTS. No. 2.—TRILINEAR COORDINATES. No. 3.—INVARIANTS. 5s. each, or 12s. 6d. for the three, if ordered together.

Synopsis of Pure Mathematics. By G. S. CARR, M.A. 34s. Also in Sections, prices on application.

Quadratic Equations. By Lt.-Col. ALLAN CUNNINGHAM. 12s.

OUTLINE MAPS AND DRAWING COPIES.

Maps (assorted or alike). 1s. dozen, post free.

THE HAMILTONIAN SYSTEM.

A Short and Easy Method of Learning a Foreign Language by a close Interlinear Translation.

LATIN. Caesar, Books I-VI. 4s. 6d. Sallust, Catiline. 2s. Gospel of St. John. 2s. 6d. Jugurtha. 3s. Eutropius. 1s. 6d. Cornelius Nepos. 3s. 6d. Virgil, Aeneid, I-IV. 3s. 6d. Selectae e Profanis Historiae, Vol. I. 2s. 6d.; Vol. II. 3s. 6d.

GREEK. Gospel of St. John. 3s. Xenophon's Memorabilia. 3s.

SPANISH. Gospel of St. John. 2s. 6d.

FRANCIS HODGSON (Estd. 1884), 89 Farringdon St., London, E.C.4. Catalogue free on application.

Elements of Applied Mechanics. By M. W. CROFTON. 7s. 6d. **Elements of Logarithms.** By WILLIAM GALLATLY, M.A. 1s. 6d.

Italian Conversational Course. Prof. TOSCANI. 5s.

Italian Reading Course. Prof. TOSCANI. 3s. 6d.

Public School Modern Handwriting. By R. WENLOCK. 6d. Also Public School Modern Arithmetic. 4d. (With Answers. 6d.)

Mythological Rhymes. By Sir R. G. BAGGOTTE. 116 pages, 4s.

Historical Rhymes. By Sir R. G. BAGGOTTE. 144 pages, 1s. 6d.

As set at College of Preceptors Examinations.

Drawing Copies (assorted or alike.) 1s. 9d. dozen, post free.

FRENCH. Gospel of St. John. 3s. 6d. Perrin's Fables. 1s. 6d. French Verbs. 1s. 6d. Recueil Choisi. 3s. 6d. Little Jack. 2s. 6d. Télémaque, I-VI. 3s. 6d.

ITALIAN. Notti Romane. 3s. 6d. Silvio Pellico. 2s. 6d. Gospel of St. John. 2s. 6d.

GERMAN. Robinson der Jüngere. Text. 2s. 6d.; Translation. 3s. 6d. Gospel of St. John. 2s. 6d.

ENGLISH AND FOREIGN COMMERCIAL CORRESPONDENCE

(MARLBOROUGH'S Series).

Containing Phrases and Letters, Opening Phrases, Closing Phrases, Inquiries relating to Goods, Orders and their Execution. Shipping Correspondence; Invoices, Bills of Lading, Payment for Goods, Instructions for Forwarding Goods, &c. Insurance, Announcements, Letters of Introduction. Commercial Terms; Commercial Abbreviations; Money, Weights, and Measures.

ENGLISH Commercial Correspondence By W. CHEYOB-MAURICE, A.I.L., London.

FRENCH & ENGLISH - - - By C. LAROCHE, Docteur en Droit.

ITALIAN & ENGLISH - - - By E. S. ROMERO-TODESCO.

SPANISH & ENGLISH - - - By ANDRÉS J. R. V. GARCÍA, Principal of the García School of Languages, London.

RUSSIAN & ENGLISH - - - By S. G. STAFFORD, Teacher of Russian at the City of London College.

(In Russian and Roman Characters.)

Sold by all BOOKSELLERS and BOOKSTALLS.

Write for Prospectus of the Language required and Catalogue No. 23.

London: E. MARLBOROUGH & CO., Publishers, 51 Old Bailey, E.C.4.

Fawn Wrapper.

1/9 Net each.

Cloth 3/- Net each.

2/- Net. Cloth 3/- Net.

at Orme Girls' School, Newcastle. Miss Jessie Sprunt, a former student of the College, has been appointed Head Mistress of the Orme Girls' School, Newcastle, Staffs.

The following scholarships have been awarded for Session 1919-20, at the London (Royal Free Hospital) School of Medicine for Women:—Isabel Thorne Scholarship: K. Bowman-Manifold, Winchester High School. Agnes Guthrie Dental Bursary: Kathleen C. Smyth, Clarendon School, North Malvern. Dr. Margaret Todd Scholarship: Greta Hartley, St. Paul's Girls' School. Bostock Scholarship: Lucy Parker, North London Collegiate School. St. Dunstan's Medical Exhibition: M. Pedersen, Lady Holles' School, Hackney. Mrs. George M. Smith Scholarship: Agnes H. S. Gray, Bournemouth High School. Mabel Sharman Crawford Scholarship: Lucy Parker, North London Collegiate School.

PRIMARY SCHOOL NOTES.

A National Scale in Sight.

THE meeting of representatives of Local Education Authorities and primary school teachers, called on the initiative of the President of the Board of Education for the purpose of discussing the possibilities of a national policy in formulating scales of salaries for teachers, has been welcomed by all who have any regard for the future welfare of their country. The struggle between the Board of Education and the Local Education Authorities as to which should escape the responsibility of paying the teachers in the nation's schools a tolerable recompense for their labours has been carried on since 1870, and most of the defects in the English system of education may be traced directly or indirectly to this vicious and parsimonious policy. The break with tradition made by the bestowal of the supplementary grants and by the passing of the Teachers' Superannuation Act, gave a lead from the Board of Education which all the progressive Education Authorities have been anxious to follow; and, with the inspiration of the new Education Bill to direct them, there is every reason for confidence

in the decisions which will be arrived at in the forthcoming conferences between the parties particularly concerned.

The Call to the Universities.

THE call upon the organizing capacity of the Universities promises to be more heavy than that imposed upon any other branch of education; and of all departments of University work none has a more direct influence upon the welfare of the nation than that which deals with the training of its teachers. The problem of supplying teachers for the new continuation schools possesses peculiar difficulties, and it is of vital importance that those who are to be responsible for the conduct of these schools should be in every respect worthy pioneers; any failure in the personnel of the staffs is likely to be followed by disastrous effects upon the whole system of education. Few teachers can be spared from the secondary schools; on the other hand, there are thousands of experienced teachers in the primary schools who could be transferred to continuation schools if facilities for special training were provided by the Universities. Such training could quite suitably be given by means of degree or other courses, wholly or partly arranged after school hours. There is a growing desire among teachers who have some University qualifications to complete these in view of the new calls made by the Education Act. It is unlikely that men students, at all events, will in the future care to go to the ordinary training colleges unless facilities are available for taking full degree courses; and there is a general feeling that such colleges should now become constituent parts of the nearest University. If the Universities would establish tutorial degree courses at suitable centres within their spheres of influence, the outlook for continued education would be considerably improved.

N.U.T. Notes.

THE referendum of the N.U.T. in favour of the principle of equal pay for men and women has been followed by the production of a scale of salaries based upon terms of absolute equality. Quite an unexpected development has been the spontaneous movement of men teachers into sectional associations pledged to insist upon differential scales of salary in favour of men. This may be regarded as the counterpart to the very strong union of women teachers, which has pursued its policy with aggression. The new

(Continued on page 612.)

700 MEDALS AND PRIZES!!!

STUDENT'S ELEMENTARY BOOK-KEEPING

By ARTHUR FIELDHOUSE, Accountant,
66 West Parade, Huddersfield,

who will forward copy **Index** and **Specimen Pages** on receipt of
Post Card addressed to **P.O. Box A 27, Huddersfield.**

367 Pages. 25th Edition. Post free 3/4.
100 Exercises. 350 Questions.

The ONLY TEXTBOOK to which there is a FULL KEY.

While this textbook more than covers all **Elementary Examinations** in this subject, its special design is to meet the requirements of the excellent Syllabuses issued by the **Royal Society of Arts, the College of Preceptors, Oxford and Cambridge Locals, the London Chamber of Commerce, and the National Union of Teachers.**

The **exercises** and the principles introduced therein are so carefully **graded** in point of difficulty that the student is trained to work the most difficult set of transactions without being appalled at any stage of his study. No exercise is too long or too complicated to be completed between each lesson. The **Questions** will be found very useful for testing the student's knowledge at each stage of his work. **Examination Papers** of the **Royal Society of Arts, the College of Preceptors, the Oxford and Cambridge Locals, and the L.C.C.,** are included.

LONDON: SIMPKIN, MARSHALL, HAMILTON, KENT, & CO., LTD.

THE STUDENT'S BUSINESS METHODS

and

Commercial Correspondence.

By ARTHUR FIELDHOUSE, Accountant,
66 West Parade, Huddersfield,

who will forward **Specimen Pages** and **Index** on receipt of Post Card
addressed to **P.O. Box A 27, Huddersfield.**

Ninth Edition. 380 Pages.
3/4 Post free.

80 TEST and EXAMINATION PAPERS, containing
1,300 QUESTIONS.

This is the only **practical, up-to-date** book on **Commercial Correspondence** and **Office Work**, and is characterized by the same qualities that have made the author's other textbooks so popular. The lessons are well **graduated**, and the **teacher** is **saved the drudgery** of preparing **Test Papers**, one of which follows every chapter, in addition to numerous **Examination Papers**. **PRACTICAL work** is provided in the **Series of Business Transactions** included in some of the Test Papers. It is the only **Complete Guide**, covering all the **Elementary Examinations**. Small-priced books may be had on the subject, but as they do not cover the Syllabuses they are dear at a gift. **Efficiency** should be the first consideration. It is an excellent **Hand-book** for the **Junior** in the **Office**. **70,000 copies sold.**

LONDON: SIMPKIN, MARSHALL, HAMILTON, KENT, & CO., LTD.

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY
All University Graduates with highest honours
selected primarily for their TEACHING ABILITIES

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

If you wish to
qualify to teach
SHORTHAND,
BOOK-KEEPING AND ACCOUNTANCY,
COMMERCIAL PRACTICE,
ADVERTISING, PRACTICAL BANKING,
COMMERCIAL LAW,

you can do so
in your spare time
by means of

PITMAN'S POSTAL COURSES.

The postal tuition meets exactly the requirements of teachers who are unable to secure oral training, or who desire to pursue the study of commercial subjects at home. One course, or any group of subjects, may be taken at any time, the lessons commencing from any stage of present knowledge. Write for details, stating the subjects in which you are interested.



Principal: FREDERICK HEELIS, F.R.S.A.

Director of Studies:—

Dr. ROBERT W. HOLLAND, O.B.E., M.Sc., LL.D.
169 SOUTHAMPTON ROW, LONDON, W.C.1.

The Times EDUCATIONAL SUPPLEMENT

A COMPLETE EDUCATIONAL
NEWSPAPER AND REVIEW

Published every Thursday

ORDER TO-DAY

Annual Subscription by Post:

10s. 10d. INLAND

13s. ABROAD

from

THE PUBLISHER, PRINTING HOUSE SQUARE,
LONDON, E.C. 4

Or from ALL NEWSAGENTS & BOOKSTALLS

PRICE 2d.

A free Specimen Copy will be sent to any Teacher who sends a
post-card to the Publisher

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps
and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham,
Tonbridge, Wellington (Berks), Wellington (Salop),
Wellington (Somerset), Oxford University, Felsted,
Trent College, Brighton College, Aberdeen University,
Sheffield University, University of Wales, St. Bees
School, &c., &c.

*Estimates and Patterns of Cloth will be forwarded FREE of
charge to any School requiring Uniforms.*

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of
Uniforms, Head-dresses, Accoutrements, Laces, and
Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office:

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

organization of the men will tend to prevent the equal pay resolution of the Union from becoming a practical policy. The few Education Committees inclined to carry it into effect would find it difficult to do so in face of the strong opposition of public opinion, backed by the solid support of the men teachers. The long view appears to be that the two sections will continue to work together in the Union, and that, while the request for equal financial treatment will be preferred jointly, it will be left to the women to prove their case before the various Authorities. Three more members of the Executive have been appointed officials of the Union, making five in all. Although applications have been received from all parts of the country, only members of the Executive have yet been selected. While such action may be criticized upon several grounds, there will be general recognition of the great service rendered to the Union by Executive members who have worked arduously and gratuitously. And, since such members are cognizant with the duties requiring fulfilment, it is clear that they enjoy a substantial advantage over other candidates in applying for these particular offices. The salaries range from £400 to £500 per annum, by annual increments of £25. The salary of Sir James Yoxall was raised by the Executive to £1,250 as from January 1, 1919. There is, in addition, a pension scheme for officers similar to that of the Government superannuation scheme for teachers.

PRIZE COMPETITIONS.

WE have not received the name and address of the winner of the Translation Prize for July.

THE AUGUST COMPETITION.

The identification of quotations is apparently not a popular task; very few competitors took the field. The prize is awarded to "Gothicus"; *proxime accessit* "Bésigue." We subjoin a key and notes, for some of which we are indebted to the competitors.

1. H. W. Longfellow's translation of one of the epigrams of F. von Logau (1605-55), which is itself an expansion of an old

saying, found in the Sceptic philosopher Sextus Empiricus (*circa* A.D. 200):

ὄψι θεῶν ἀλέουσι μύλοι, ἀλέουσι δὲ λεπτά.

It occurs in slightly different forms in the Sibylline Oracles and elsewhere in post-classical writers. Probably of Eastern origin. Some dictionaries of quotations give "God's mills grind slow, but they grind trouble," as an Eastern proverb. George Herbert has "God's mill grinds slow but sure" in "Jacula Prudentum" (1651).

2. Ella Wheeler Wilcox: "Solitude."

3. R. L. Stevenson: "Virginibus Puerisque." Compare Hazlitt, "On going a Journey," the first paragraph. Also Dryden, "Such only enjoy the country as are capable of thinking when they are there; then they are prepared for solitude, and in that case solitude is prepared for them"; and, as a contrast, Publius Syrus, "Comes jucundus in via pro vehiculo est."

4. Opening lines of William Blake's "Auguries of Innocence."

5. Michelet: "Une Année du Collège de France."

6. Shelley: "A Defence of Poetry." Contrasts are easily found. There are Shelley's own lines: "Our sweetest songs are those which tell of saddest thought."

"Most wretched men

Are cradled into poetry by wrong;

They learn in suffering what they teach in song."

Lamartine says: "La poésie n'a jamais su exprimer le bonheur comme elle exprime la douleur" ("Nouvelles Méditations"). Tennyson spoke of the writing of "In Memoriam" as

"The sad mechanic exercise,
Like dull narcotics, numbing pain."

Shelley would probably have denied the contradiction. The paragraph from which the quotation was taken suggests that by "happiest" he meant something more than pleasurable.

7. Pope: "Essay on Man"; based on Pascal's "Pensées"—"Juge de toutes choses, imbécile ver de terre, dépositaire du vrai, cloaque d'incertitude et d'erreur, gloire et rébut de l'univers."

8. Burke: "Reflections on the French Revolution."

(Continued on page 614.)

MR. MURRAY'S PRIMERS.

A PRIMER OF LOGIC.

By E. E. CONSTANCE JONES, D.Litt., late Mistress of Girton College, Cambridge. With Examination Papers, Tables, Index, &c.

JOHN MURRAY, ALBEMARLE STREET, LONDON, W.1.

Second edition.

Price Two Shillings net.

PRESS OPINIONS.

"Very ably written."—*School World*.
"Well suited for its purpose. The examples and illustrations are particularly excellent."—*Spectator*.
"Has also supplied a series of Examination Papers that should prove most useful to students."—*Literary World*.

GIRTON COLLEGE STUDIES, No. 4.

A NEW LAW OF THOUGHT AND ITS LOGICAL BEARINGS.

By E. E. CONSTANCE JONES, Author of "A Primer of Logic."

Cambridge: At the University Press.

Price Two Shillings net.

"Miss Jones has made a great discovery. She has discovered the Law of Significant Assertion, and also that it does not find a place among those which Logic enumerates as the self-evident Laws of Thought."—*Mind*.
"Miss Jones seems to have made out a good case for regarding the Law of Significant Assertion as a fundamental Law of Thought."—Prof. STOUT.
"I may here refer very briefly to Miss Jones's interesting treatise on 'A New Law of Thought.' . . . The substitution of S is P, as the general formula of thinking, for A is A, which taken as such a formula is meaningless, will I hope be adopted by logical theory and practice. By dealing with a difficulty which so great a logician as Lotze could not overcome, the suggestion shows itself to possess a considerable value."—Dr. BERNARD BOSANQUET.

BOTANICAL APPARATUS

VASCULA, PRESSES, POCKET LENSES, &c.

MICROSCOPICAL PREPARATIONS

In Sets to illustrate current Textbooks.

New Catalogue in the Press—ready July.

FLATTERS & GARNETT, Ltd.,
309 OXFORD ROAD (Opposite the University), MANCHESTER.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental Apparatus Parts and Materials.

Lenses, Achromatic or Plain, Prisms, Mirrors, and Optical Goods.

Best Make, Second-hand P.O., and other Galvanometers, Relays, Electric, and Optical Instruments at ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings for the Student of Science.

Telephones, Batteries, Morse Keys, and every aid for Radio and Telegraphic Experiments.
Our Celebrated Wimshurst Machines.

War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
Call or write for information. (H. J. DALE has had fifty years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Stollan Avenue, Bloomsbury Square, London, W.C. 1.

POSTAL TUITION.

Courses arranged by A. McALISTER, B.A. (Cantab.)

FULL COURSES.

Matriculation.
Oxford Senior.
Cambridge Senior.
College of Preceptors.
Certificate.
A.C.P.
L.C.P.
A.R.C.M.
L.R.A.M.
F.R.C.O.
Mus.Bac.

SINGLE SUBJECTS.

Greek. Latin. French.
Arithmetic. Algebra.
Geometry. Mechanics.
Trigonometry.
English Literature.
Harmony. Counterpoint.
Composition.

Recent Successes.

MATRIC.	41.
----------------	------	------	-----	------------

FAILURES converted into SUCCESSES.

*The Courses are entirely INDIVIDUAL,
and based on sound scientific principles.*

You can WIN SUCCESS in 1920.

Write fully to—

ARTHUR McALISTER, B.A. (Cantab.), 209 CASTLE BOULEVARD, NOTTINGHAM.

9. Ibsen, but we regret that we have lost the reference. *Not* meant ironically.

10. The concluding sentence of Motley's "Rise of the Dutch Republic." The hero is William of Orange.

11. Goldsmith: "Vicar of Wakefield."

12. A once celebrated couplet from "England's Trust," a poem extolling feudalism, written by the late Duke of Rutland, better known as Lord John Manners (1841).

13. Schiller: "Das Weibliche Ideal."

14. George Eliot: "Daniel Deronda." Compare Austin Dobson, "A Gentleman of the Old School."

15. Conan Doyle: "A Lost World"—put into the mouth of Prof. Challenger, who is a gentle caricature of a certain type of scientist.

16. Tennyson. "Lancelot and Elaine." Compare Nathaniel Hawthorne, "Transformation": "As an angel you are not amiss, but as a human creature, and a woman among earthly men and women, you need a sin to soften you." Also Pliny the younger: "Nihil peccat nisi quod nihil peccat."

17. Leslie Stephen: "Sir Walter Scott."

18. Alfred de Vigny: "La Maison du Berger."

19. Emerson: "Self-reliance." Compare R. L. Stevenson: "So far of Respectability; what the Covenanters used to call 'rank conformity,' the deadliest gag and wet blanket which can be laid on men."

20. Swinburne: "Les Casquets." The last two lines are from Job xxviii, 7 (A.V.).

A Prize of Two Guineas is offered for the best translation of the following description of the gardens of the Baths of Diocletian in André Maurel's "Un mois à Rome":—

Le printemps se répandait autour de nous, entre mille marbres, débris informes dont leur antiquité interdit l'abandon. Le long des plates-bandes, les pierres sont alignées, que caressent et enlacent les plantes. Les pierres émergent d'entre les fleurs, les fleurs pointent à travers les pierres. C'est l'émouvante reprise de la nature sur l'œuvre humaine, et, dans la joie de revivre, fleurs et pierres brillent d'un même éclat. Aristoloches dansent autour des fûts brisés. Colonnes tronquées offrent leur appui à la fragilité des lianes et soutiennent les calices blancs. Qu'ils semblent beaux, pourtant, ces restes ainsi parés! magnifiques et dignes des temples les plus fiers. Ils empruntent aux glycines leur splendeur immortelle et se perpétuent avec elles. Étroitement unis, on ne sait plus qui enfanta l'autre du chapiteau ou de l'acanthé, si la guirlande de chêne veut devenir œillet ou la vigne vierge dessiner la frise, lequel veut mourir en beauté et renaître en parfum. Mais non! c'est bien la pierre qui renaît. Un grand quadrilatère de sarcophages nus et dépouillés de leurs reliefs délimite, au delà d'une large allée, les parterres. Et les voici qui débordent de roses. Nées dans les cerceaux, les roses grimpent et se déroulent à l'infini, passent d'une tombe à l'autre, étendent sans fin les bras de leurs branches qui vont ainsi de sépulcre en sépulcre faire sourire la mort. La beauté de cette chaîne, de ces chaînes de fleurs attachant le marbre et en jaillissant est indicible. Déjà, au Forum, la merveille est énivrante des glycines et des lauriers parmi les marbres jonchés. Pauvre Forum de bonne volonté, de précaution surtout. Ici point n'est besoin de veiller à ne pas trop cacher. La beauté ne peut être que commune, la gloire que collective. Que la mort ainsi parée serait heureuse et belle!

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on September 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

MANCHESTER UNIVERSITY PRESS.

BOOKS IN MODERN LANGUAGES FOR USE IN SCHOOLS AND COLLEGES.

FRENCH.

MOLIÈRE. L'AVARE.

Edited by A. T. BAKER, M.A., Ph.D. 3s. net.

SELECTED LETTERS OF MADAME DE SÉVIGNÉ.

Edited by A. T. BAKER, M.A., Ph.D. 3s. 6d. net.

CORNEILLE. LE CID.

Edited by J. MARKS, M.A. 3s. 6d. net.

ALFRED DE VIGNY. POÈMES CHOISIS.

Edited by E. ALLISON PEERS, M.A. 3s. 6d. net.

LE MYSTÈRE D'ADAM.

Edited by Professor PAUL STUDER, M.A., D.Lit. 4s. 6d. net.

ROUSSEAU. DU CONTRAT SOCIAL.

Edited by Emeritus Professor C. E. VAUGHAN, M.A. 5s. net.

AUCASSIN ET NICOLETE.

Edited by F. W. BOURDILLON, M.A. 4s. 6d. net.

B. CONSTANT. ADOLPHE.

Edited by Professor G. RUDLER, D.-es-L. 7s. 6d. net.

RUSSIAN.

RUSSIAN COMMERCIAL CORRESPONDENCE: Letters, Idioms, Grammatical Notes, and Full Vocabulary.

By A. S. MINDEL, B.Com. 3s. 6d. net.

A. S. PUSHKIN. EVGENII ONIEGIN.

(Plain Text.) 3s. 6d. net.

GERMAN.

GOETHE. TORQUATO TASSO.

Edited by Professor J. G. ROBERTSON, M.A., Ph.D. 5s. net

ENGLISH.

A PHONETIC READER FOR USE IN JUNIOR CLASSES.

By CATHERINE F. MACKENZIE, M.A., and PHILIPPA W. DREW. 1s. 3d. net.

THE UNIVERSITY PRESS,
12 LIME GROVE, OXFORD ROAD, MANCHESTER.
LONGMANS, GREEN, AND CO.,
LONDON, NEW YORK, BOMBAY, &c., &c.

*Designed to arouse the interest and
attention of the Pupil and to eliminate the drudgery*

FRENCH EDUCATIONAL BOOKS.

By PROF. VICTOR SPIERS, B. ès L., M.A., Professor of French
Language and Literature in King's College (University of London).

For PREPARATORY SCHOOLS, PUBLIC SCHOOLS, and UNIVERSITY COLLEGES.

ELEMENTARY.

N.B.—The prices are Net.

ADVANCED.

FIRST FRENCH BOOK for children. Third Edition. On modern lines, with conversations, music, and illustrations. Phonetic transcript. Large print. Demy 8vo, 235 pages. Price 3s. 9d. cloth. 3s. half-cloth boards.

DRILL ON THE ESSENTIALS OF FRENCH ACCIDENCE AND SYNTAX. New (8th) Edition, with many additional English Exercises. A complete Elementary Grammar containing the Conjugations and "drill" chiefly in French sentences, upon the important points, and rules, a short summary of which is given. Most handy for correspondence classes. Crown 8vo, 160 pages. Price 2s. 6d.

FRENCH VOCABULARIES for Repetition. Fourth Edition. Containing the 3,000 most important Words and Phrases logically grouped in tens and divided into two categories (elementary and advanced), with the most useful DERIVATIONS, preceded by a SHORT NOTE ON PRONUNCIATION, and followed by an APPENDIX on the different PREPOSITIONS required by French Verbs. Crown 8vo. Price 2s. 6d. PHONETIC (m.f.) TRANSCRIPT of same, 8d. Both bound together, 3s.

JUNIOR FRENCH RECITER. Fourth Edition. Extracts in Prose and Poetry from Classical Authors with PHONETIC TRANSCRIPT (m.f.) facing the text, with Notes, Questions on Grammar, and Outlines of Conversations and of free Written Exercises. Crown 8vo, 89 pages. Half-cloth, 1s. 8d.

SECOND FRENCH BOOK, on the same lines as the First French Book. Second Edition. Demy 8vo, 211 pages. Price 3s. 9d. cloth. 3s. boards.

MAP OF PARIS, with monuments in elevation, useful for practice in conversation. Price 6d.

PRACTICAL FRENCH GRAMMAR. Fifth Edition. For Schools and Colleges. "A really practical and sensible Grammar," "complete in its incompleteness." Crown 8vo, 194 pages. Price 3s.

SENIOR FRENCH RECITER, on the same lines as the Junior. Second Edition. Extracts from the Classical Authors of the Golden Age with Phonetic (m.f.) Transcript. Crown 8vo, 91 pages. Half-cloth, price 1s. 8d.

GRADUATED COURSE OF TRANSLATION INTO FRENCH PROSE for Middle and Higher Forms of Schools and for University Colleges. Eighth Edition, with Appendix. 158 Extracts of convenient length, with carefully worked-out Correct Versions. Demy 8vo. Price 3s.—Key, 5s. 8d., in book—4s. 8d., printed on loose sheets ready for mounting, to teachers of recognized positions or to students who send a written authorization from their teacher, on application, with remittance, to the author, c/o Mr. TAMBLYN, 116 Ladbroke Grove, London, W.10.—**Phonetic Transcripts** of Extracts, 1 to 83, mostly at 1d. each: apply to author.

SHORT FRENCH HISTORICAL GRAMMAR AND ETYMOLOGICAL LEXICON (2,500 words). For Schools and University Colleges. Crown 8vo, 265 pages. Price 6s.

GERMAN VOCABULARIES, on the same lines as the French Vocabulary. Crown 8vo, 102 pages. Half-cloth, price 2s.

HISTORY AND LITERATURE OF FRANCE IN SYNOPSIS TABLES AND ESSAYS for Higher Local and University Examinations. Price 7s. Or in Two Parts (i) History, (ii) Literature, 4s. 6d. each.

SPECIMEN COPIES at less than cost price to Teachers.

London: **SIMPKIN, MARSHALL, HAMILTON, KENT & Co., Ltd.**
4 STATIONERS' HALL COURT, E.C.4.

THE WORD GARDEN SYSTEM

(A Simple Phonic Method for Spelling, Speech Training, and Reading).

A COURSE OF FOUR LECTURES

will be given by

C. HAYNES (former Head Mistress of the Marlborough Infant School, Chelsea)

at

KINGWOOD ROAD SCHOOL, FULHAM,

On THURSDAYS, from 5.30 to 6.30,
commencing September 18th.

A HIGH SCHOOL TEACHER writes—

"I find the Diagrams most useful,
and am still having splendid results
from the Word Garden System."

Tickets, 5/- the Course, from Kingwood
Road School, or C. HAYNES, 68 Boston
Road, W.7.

BOARDING HOUSE wanted in
connexion with a Secondary School. Boys'
or Girls'. Address—No. 10,881.*

To Arts and Crafts Teachers.

HAND-LOOM WEAVING. By
LUTHER HOOPER. ("The Artistic Crafts
Series.") Advertiser wishes to buy a second-hand
copy of above book. Address—No. 10,790.*

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A.,
Coaches by Correspondence in French,
History, English Language, and Literature, and
Comparative Religion for Cambridge and Oxford
Locals and other examinations.—The Rectory, Little
Stukeley, Huntingdon.

MADEMOISELLE MARIE
POUJAUD will be very pleased to give
CORRESPONDENCE LESSONS IN FRENCH, or
to correct letters written to her. Eight letters £1.
Address—Villa de la Source, Tillières sur Avre
(Eure), France. Reference: Miss INGHAM, Moira
House, Eastbourne.

ELOCUTION AND SINGING.—
CORDELIA COE (Cert. R.A.M.) gives
Private Lessons in the above. Schools attended.
Plays produced. For terms apply by letter—63
Biddulph Mansions, Maida Vale, W.9.

MISS MASOM, B.A. Honours,
Registered Teacher, prepares for Matricu-
lation, Oxford and Cambridge Locals, Responses
in Mathematics and other subjects. Schools or
privately. Successful experience. Highest testi-
monials.—207 Adelaide Road, N.W.3.

MISS AGNES NIGHTINGALE,
Geography Cert. London School of Eco-
nomics, and author of "Visual Geography," "Visual
Botany," &c., visits Schools for Geography, Botany,
and elementary Science. Preparation for examina-
tions.—89A Cambridge Gardens, London, W.10.

MISS BATHURST (B.A. Lond.
Honours History and Classics) coaches in
History, Classics, and English, personally or by
correspondence in London, or by correspondence
elsewhere. Apply—Miss K. BATHURST, c/o Miss
Bathurst, 2 Longdon Avenue, Sydenham, S.E.26.

Sale or Transfer.

See also pages 571, 517, 518, 525.

TO BE SOLD, flourishing GIRLS'
SCHOOL, with House. Fashionable resi-
dential neighbourhood, West of England. Good
house and garden. Over 30 boarders and 25 day
pupils. Excellent opening. Address—No. 10,838.*

FOR DISPOSAL, English and
SHORTHAND CLASSES in Paris. Twelve
years' success. Apply—Mlle MAYOUX, 26 Rue de
l'Exposition, Paris VIIe.

CHARMING HOUSE FOR
SCHOOL vacant now. Has been for two
years during War occupied by Messrs. Richardson
& Ridgway, of St. Peter's Court School, Broad-
stairs. Good cricket ground, electric light, water,
healthy situation, swimming bath. Apply—EDENS,
Tisbury, Wilts.

HANTS AND SUSSEX
BORDERS.—In a notably healthy district,
specially recommended by the Faculty for cases of
chest trouble. Sandy soil. Elevation 480 feet.
Beautiful views.

Unusually well built house known as
"CLAYTON COURT."

Petersfield 3 miles. Liss 1½ miles.
Four reception rooms, large central hall, 16 bed
and dressing rooms, bath (h. and c.), 4 w.c.s.,
excellent offices, complete outbuildings, good stab-
ling for 6, two garages (heated), two model cottages,
lodge, well matured grounds, walled kitchen garden.
Farmery, company's water, petrol gas, telephone.
32 acres.

Inspected and recommended by KNIGHT, FRANK,
& RUTLEY, 20 Hanover Square, W.1.

GYMNASTIC APPARATUS.—
FOR SALE, boom, in good condition. Ad-
dress—No. 10,884.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4."
Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

PHYSICAL TRAINING

See also pages 563 and 567.

PORTLAND ROAD GYMNASIUM, London, W.—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLMACH, Member and Examiner of the British College of Physical Education, M.G.T.F., Kyson, Highcroft Gardens, Golder's Green, N.W. 4.

Swedish Physical Training Course,

commencing at Stockholm 1st September,

UNDER DIRECTION OF

Captain HAROLD OLSSON,
(late Officer Instructor A.G.S., Aldershot).

Prospectus and full particulars on application to—

MARTIN OLSSON & SONS,
32 Bishopgate,
London, E.C.2.

BEDFORD COLLEGE OF DANCING AND PHYSICAL CULTURE.

The Crescent Studios, 42 The Crescent, Bedford.

MISS MILDRED BULT receives resident and non-resident students to train for the profession. A thorough training in Technique in all branches of Dancing and in Class Teaching given.

The course includes **Drill, Gymnastics, Fencing, and Voice Production.** Students live in the Principal's pleasant private house and have every home care and comfort. For Prospectus apply—Miss BULT.

PHYSICAL TRAINING COLLEGE,

QUEEN ALEXANDRA'S HOUSE GYMNASIUM,
KENSINGTON GORE, S.W. 7.

EDUCATED GIRLS TRAINED

as **TEACHERS** of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A six-months' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

TRAINING COLLEGES & Technical Schools.

See also pages 561-570, 590, 593, 611, 613, 616, 638, 639; [Halls of Residence] 562, 564; [Physical Training] 563, 567, 616; [Medical Schools] 568; [Scholarships] 562, 564, 567, 569.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

ALDERSEY HALL, HANDLEY, CHESHIRE.

SCHOOL OF GARDENING,
Practical and Theoretical.

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S.

School removed from Hampshire after being established 15 years.

Brunnaker Training Centre for NURSERY SCHOOL TEACHERS.

Principles and Methods of Nursery School work Experience in a Babies' Hospital.

Attendance at a Welfare Centre. Practical work in a Nursery School and Kindergarten. Gardening, Handwork, &c.

Courses begin **SEPTEMBER 25th.** For Prospectus apply—THE SECRETARY, Brunnaker, King's Norton, Birmingham.

Partnership Offered.

PRINCIPAL of Girls' School in Midlands desires working Partner. Nominal capital, with view to succession. Address—No. 10,864.*

Posts Wanted—continued.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holbein Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

Posts Wanted—continued.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

FRENCH Youth, 18 years old, "Bachelier Philosophie," wants to find a post in Boys' School for September. Could teach French, Latin, Drawing. Good salary required. Best references. Address—PAUL ROY, 17 Rue Saint-Etienne, Fécamp (Seine-Inférieure), France.

LADY, L.L.A. Hons. History and English, requires post as **FIRST ASSISTANT** in January, with view to partnership. Principal subjects English and History. Very musical. Experience in Secondary and Boarding Schools. Address—No. 10,878.*

JEUNE fille française, brevet élémentaire, diplôme de fin d'études secondaires, trois années d'enseignement dans une école primaire, désire entrer dans une famille en qualité d'institutrice. Address—No. 10,879.*

VIOLIN MISTRESS requires post in School in September. Is also able to teach Junior Pianoforte (Matthay Method), Sight Singing, and Harmony. L.R.A.M., bronze and silver medals. Good testimonials. Address—No. 10,880.*

POLISH Lady, certificated teacher of languages—French, Italian, and German—desires a post au pair in an English Girls' School. Best references.—Mlle JADWIGA GUGLIEMINETTI KWIATKOWSKA, Santsblick, Zurichbergstrasse 221, Zurich, Suisse.

FRENCH teacher, twenty years, should like to be "au pair" in English family during summer holidays. Good references. Write to—Mlle CANNIE, Rue d'Anvers 52, Tourcoing (Nord), France.

LADY requires post as **BURSAR** or **SUPERVISOR**. Triple diploma in Domestic Science. Experienced in organization, household management, and catering. Free in September. Address—No. 10,882.*

MODERN LANGUAGE MISTRESS seeks post, in or near London, in September. French University Diploma. German and Russian acquired abroad. Five years' teaching experience in London schools. Direct Method. Visiting considered. Address—No. 10,883.*

TRAINED FRENCH MISTRESS requires post, for September, in good Boys' or Girls' School. Experienced; direct method. Good results in examination work. Good salary required.—H.C., Trosemer Court, near Worcester.

RELIGIOUS KNOWLEDGE AND CLASSICS; work wanted in or near London. Qualifications, Archbishop's diploma, and classical tripos.—Miss BGGGS, 122 Queen's Road, Wimbledon, S.W. 19.

MUSIC MISTRESS (L.R.A.M.) requires Visiting Post for two or three days a week, either in London district or within twenty miles radius of Gravesend. Address—No. 10,885.*

ENGLISHWOMAN, experienced Teacher, seeks post in Boys' or Girls' School. French, Russian, Elementary German. Would assist in supervision or management. Address—No. 10,886.*

REQUIRED, in September, post as **MATRON HOUSEKEEPER.** Would take entire charge of School Boarding House or Students' Hostel. Thoroughly experienced in care of girls' health and household management. Good testimonials. Good salary required. Address—No. 10,889.*

GAMES, DANCING, SWEDISH GYMNASTIC MISTRESS, highly qualified (Diplômée), visits Schools. Dancing a speciality; experienced; highly recommended.—C., 3 Park Mansions, St. John's Wood, N.W. 8.

TRAINED certificated MISTRESS desires post, 1st November, in Secondary School as Junior Form or Kindergarten Mistress. Kent or Surrey preferred. 10 years' experience in Elementary School.—R.B.H., Edburga, Minster, Ramsgate.

Posts Wanted.

ART TEACHER (experienced, qualified, registered) desires visiting engagements at Schools in Margate, Broadstairs, Ramsgate, Westgate districts. Address—No. 10,862.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient 10000 stamps to cover postage on to advertiser. Post cards will NOT be sent on.

The Future Career Association.

THE SCHOOLMASTERS' ADVISORY BUREAU

The busy Master who has the welfare of his boys at heart should not delay in joining this Association.

The monthly journal will keep him *au fait* with the changing conditions and prospects of all careers at home and abroad, with Scholarships and Exhibitions available at the Universities and elsewhere, with forthcoming examinations and other items of importance on all questions concerning education and vocations.

Individual inquiries from Members are also promptly and accurately dealt with by post.

Membership Roll includes Head and Assistant Masters, University Tutors, Private Tutors, and Education Officials at Home and Overseas.

Further particulars from—

THE SECRETARY, F.C.A.,
53 VICTORIA STREET, S.W. 1.

The Future Career Association.

(Established 1904.)

CONVEYANCING DEPARTMENT.

This Department is now under the direction of **Mr. F. C. NEEDES, B.A.**, whose experience, advice, and assistance are unreservedly placed at the disposal of **Purchasers** free of charge.

TRANSFERS and PARTNERSHIPS arranged by correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

An **unusual opportunity** offers itself to a young energetic lady of good social position, with educational qualifications, to acquire a **partnership** in one of the best **Girls' Schools** near London. Sound investment, but monetary consideration of secondary importance.

FOR SALE (*inter alia*).

- 1.—**Ladies, possessed of capital and good educational qualifications** and experience, can hear of an excellent opportunity of acquiring a **good class and exclusive Boarding School** for Girls, with an income of about £10,000 p.a., and situate in most beautiful premises and grounds.
2. **North of England.—Flourishing Good Class Girls'.**—Estab. 40 years. 22 Day Boarders. Fees £3 a term plus tuition fees. 141 Day. Fees from £2.7s. to £4 a term. Receipts 1918, £1,786. Net profits £562. Good premises—vendor's freehold—will sell for £1,450, mortgage arranged or will let. School has a splendid connexion and has a good reputation. Goodwill about £800. School furniture, &c., at valuation. Excellent chance for two or more ladies.
3. **Surrey.—Flourishing Dual School** of about 110 Day Pupils, of whom 40 are small Boys. Receipts for the year about £630, but continually increasing. Good premises, with detached class-rooms, good cloak-room, large garden, and well stocked vegetable garden. Rent £70. Price asked for Goodwill and School Furniture, £350, or offer.
4. **Near Thames.—Unopposed Dual Day School** of 52 Pupils. Receipts about £550. Fees £2.12s. 6d. for mornings only to 5 Guineas a Term. Playing Field for Tennis, &c. Rent of Premises £30 p.a. Price asked for Goodwill and all School Furniture, £500.
5. **To Principals on the South Coast** with good Schools and Premises. —A Lady, able to bring with her about 20 Pupils, all at good Fees, wishes to purchase a first-rate Girls' Boarding School situate in good premises and grounds, or will **amalgamate**.

53 VICTORIA ST., WESTMINSTER, S.W.1

Telephones: Victoria 4168 and 5942.

Posts Wanted—continued.

AS SECRETARY, LIBRARIAN, or **BURSAR** of Scholastic Institution, with occasional lectures on English Literature if desired, or **CLERK** to Education Committee, &c. Educated St. Andrews University. B.ès L. (Honours). Incorporated Secretary. Sound references and testimonials. Apply—**HOLMDEN, St. Ives, Hunts.**

FRENCH MASTER (Graduate) seeks re-engagement. 10 years' English School experience. Can render assistance with Junior English, Mathematics, and Latin. Highly recommended as "a perfect gentleman, splendid disciplinarian, very popular with boys." O. O., **HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.** Established 1881.

AS LADY HOUSEKEEPER or **MATRON**, Clergyman's Daughter; trained Nurse; accustomed to catering. Five years' reference from first-class Boarding School. M. E. M., **HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.** Others. List gratis. Established 1881.

AS SCHOOL HOUSEKEEPER or **MATRON**. Can also give good Violin and Painting lessons. N. L. B., **HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.**

PRINCIPAL warmly recommends highly qualified **FRENCH MISTRESS** (Diplôme). Successful coach. Thoroughly accustomed to English High-class School routine. Resident or visiting. "Marie," **HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.** Others disengaged. List gratis in exchange for particulars of requirements.

BRIGHT young French Lady, 22. Excellent references. Music, Violin, Singing, Drawing, Painting (all styles), Dancing.—52 F., **HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.** Others. Selected list gratis in exchange for particulars of requirements. Established 1881.

AS MODERN LANGUAGE MISTRESS, Age 27. B.A. Degree (Honours). Gold Medal for Colloquial French and German. Teacher's Diploma. Warmly recommended.—M. F. C., **HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.** Established 1881.

Posts Vacant.

ASSOCIATION OF ASSISTANT MISTRESSES IN PUBLIC SECONDARY SCHOOLS.

46 KINGSWAY, W.C.2.—Subscription, 5s.
Secretary: Miss M. V. GIBSON.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR.

KINDERGARTEN TRAINING DEPARTMENT.

Recognized by Registration Council for preparation for **HIGHER CERTIFICATE, PARTS I and II**. Practising School, with Preparatory and Kindergarten Classes. For prospectus and particulars as to Scholarships, apply to the REGISTRAR.

CITY OF YORK EDUCATION COMMITTEE.

MUNICIPAL SECONDARY SCHOOL FOR GIRLS.

A **SENIOR HISTORY MISTRESS** is required. Advanced Course in Modern Studies recognized. Salary, minimum £210, maximum £400. Canvassing directly or indirectly will disqualify candidates. A form of application will be forwarded on receipt of a stamped addressed foolscap envelope, and must be returned on or before 5th September, 1919, to

J. H. MASON,
Education Offices, York. Secretary.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen. **MANUSCRIPT**, 8d. per 1,000 words. Examination Papers. Perfect work.—M. GLENISTER, 3 Friern Park, N. Finchley, N. 12.

WANTED, for Church Day School in Yokohama, Japan, a **KINDERGARTEN MISTRESS** to teach children up to 10. Nature Study, Drawing, or Latin desirable, but not essential. Salary, Yen 200 per month (£20). Passage paid one way for 3 years' agreement; both ways for 5 years'.—Apply to Miss MANDER, Long Wick, Prince's Risborough.

Posts Vacant—continued.

ROYAL HOLLOWAY COLLEGE. (UNIVERSITY OF LONDON.)

DEPARTMENT OF CLASSICS.

The Governors will shortly appoint a Lady as **RESIDENT ASSISTANT LECTURER IN CLASSICS**. She will be required to take up her Appointment in January, 1920.

Applications, with testimonials and references, should be sent not later than September 20th, 1919, to the **PRINCIPAL**, Royal Holloway College, Englefield Green, Surrey, from whom full particulars may be obtained.

NEWNHAM COLLEGE, CAMBRIDGE.

The Governing Body of Newnham College invite applications for the post of **BURSAR**, which will be vacant in January 1920.

Salary £200 a year, with board and residence throughout the year.

The Bursar will be a Fellow of the College and a member of the Governing Body.

Last day for applications, October 1st. For further particulars apply to the **PRINCIPAL**, Newnham College.

LINDSEY COUNTY COUNCIL EDUCATION COMMITTEE.

BRIGG HIGH SCHOOL FOR GIRLS.

Head Mistress: Miss M. L. LARDELLI.

Applications are invited for the following posts at the above named School:—

- (1) **KINDERGARTEN MISTRESS**. (N.F.U. Certificate).
- (2) **FORM MISTRESS**. Teach French on direct method. An English woman is required.
- (3) **FORM MISTRESS** to teach Mathematics.
- (4) **FORM MISTRESS** to teach English—temporary for one term.

The above Mistresses will be required to take between them as subsidiary subjects: Geography, Latin, Botany, Needlework, Drill, and Dancing, and to help with Games.

Salary scale: Non-graduate, minimum £130, maximum £220; graduate, minimum £150, maximum £300. Annual increments £10. Commencing salary according to experience. Applications to be made to Miss M. L. LARDELLI, 17 Battie Road, Tonbridge, Kent.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone:
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Wales.—Middle-class Boarding and Day School. Gross receipts past year £1,884. No. of Boarders 44, and 108 Day Pupils. Rent £120. Goodwill and School furniture £500.—No. 6,058.

Northants.—Successful Boarding and Day School. 154 Pupils, 47 of whom are Boarders. Prospectus terms about £50 for Boarders, and 2 to 4 guineas for Day Pupils. Any reasonable sum will be accepted for Goodwill, as the vendor must give up owing to death in family and other domestic reasons.—No. 6,052.

Yorks.—Flourishing Girls' Boarding and Day School. Gross receipts past year £2,940 9s. Net profits about £450. 40 Boarders, 42 Day Pupils. Rent of very fine house, standing in its own grounds, £150. Number of pupils greatly increasing. Present year promises to be very successful. Price for goodwill about £1,000 or close offer.—No. 6,048.

Lancs.—Preparatory School for Girls and Kindergarten. Boys up to 10 years of age received. Gross received past year £603. No. of pupils 72. Rent only £55. Goodwill £200. Furniture at Valuation.—No. 6,060.

Hants.—Partnership in Boarding and Day School. 120 Pupils, 16 of whom are Boarders. Gross receipts about £1,500. Very nice premises. Terms of Partnership to be arranged.—No. 6,050.

Hants (Seaside).—Partnership in flourishing Boarding and Day School for Girls. Vendor wishes to retire after 20 years, having acquired a competency. Gross receipts past year £3,725 15s. Net profit about £600. There is a waiting list for Boarders for next term. Price for half share of Goodwill £500. Furniture at valuation.—No. 6,044.

Yorks.—Preparatory School for Boys. Established 35 years. Gross receipts past year £657. Net profit past year £200. Number of pupils 44, paying 3 to 5 guineas per term, without extras. Rent of good house with garden and play ground, only £60. Majority of boys are prepared for Public Schools. Price for goodwill £400.—No. 6,053.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past year £369. 15 boarders, 35 day pupils. Rent of

fine large detached house, built for a school, and standing in its own grounds, £80. The low sum of £300 will be accepted for Goodwill. Furniture at valuation.—No. 6,041.

Somerset.—For disposal, owing to vendor having lost her eyesight, good class Day School for Girls. Conducted by present Principal 30 years. Gross receipts past year £900. Number of pupils, 30. Rent of large, well-situated house, with accommodation for boarders, £110. Price for goodwill, school, and household furniture 500 guineas, or near offer.—No. 6,040.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 6,024.

Hants (Seaside).—Girls' Boarding and Day School. Gross receipts £1,338. No. of Boarders 12, and 56 Day Pupils. Rent £80. Price for Goodwill £500 or near offer. School and household furniture at valuation.—No. 6,061.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 617.

UNIVERSITY OF BRISTOL.

The University will shortly proceed to appoint an ASSISTANT LECTURER IN ENGLISH LITERATURE. Stipend £250 a year. Duties to commence on October 1st, 1919.

Applications should be sent by September 4th to the REGISTRAR, from whom further information may be obtained.

THE HARPUR TRUST, BEDFORD.

The post of HEAD MISTRESS of the High School will become vacant on Thursday, 18th December, 1919.

The commencing stipend of the Head Mistress will be £800 a year, rising by annual increments of £50 to £1,050.

The number of girls at present in the School is 398 (day scholars, 292; boarders, 106). The Head Mistress will not be allowed to take boarders.

Candidates should send forty copies (printed or typed) of their application and testimonials (which should not exceed three) on or before Wednesday 17th September, 1919, to A. H. ALLEN, Clerk of the Harpur Trust, Bedford, from whom any further information can be obtained.

No personal or other application should be made by or on behalf of any candidate to any member of the Governing Body.

By order,

A. H. ALLEN,
Clerk of the Harpur Trust,

The Harpur Trust Office,
1st August, 1919.

NORFOLK EDUCATION COM-

MITTEE.—Wanted, at once, for The Lawn Secondary School for Girls (North Walsham) ASSISTANT MISTRESS, well qualified in Science and Mathematics. Applicants must be graduates of a British University or possess equivalent qualifications. Salary £150 to £260. Previous secondary school teaching experience will be taken into account in fixing commencing salary. Applications, stating age, qualifications, experience, and earliest date available, together with copies of three recent testimonials, should reach the SECRETARY, Norfolk Education Committee, Shire Hall, Norwich, on or before September 10. No forms required.

Posts Vacant—continued.

AUCKLAND EDUCATION BOARD, NEW ZEALAND.

Applications for the appointment of PRINCIPAL of the Auckland Training College (New Zealand) will be received by the undersigned on or before Friday, the 31st day of October, 1919.

The salary is £650 a year, rising to £700 a year, and there are no other emoluments. Actual travelling expenses by direct steamer will be paid on arrival at Auckland.

The Principal will be expected to reach Auckland by the first day of February, 1920.

He will be required to give his whole time to the duties of the office, such duties to include inter alia the general control of the Training College and of Normal Schools connected therewith. He will, with the concurrence of the University College, act as Professor or Lecturer on Education at the Auckland University College. He will not be at liberty to undertake any other tuition or educational work of any kind whatever.

Three years' employment will be guaranteed, the engagement to be afterwards terminable by six months' notice on either side at any time.

Applications must be made on printed forms, which may be obtained from the HIGH COMMISSIONER FOR NEW ZEALAND, Strand, London, W.C., and must be accompanied by a certificate from a registered medical practitioner of the applicant's physical fitness for the position.

E. C. PURDIE.

Secretary.

Education Office, Auckland, New Zealand.
2nd June, 1919.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1.

LORD DIGBY'S SCHOOL,

SHERBORNE.—Wanted, in September, a GRADUATE MISTRESS for Mathematics and Science. Experience or training essential. Salary according to Dorset County Scale. Apply—HEAD MISTRESS

Posts Vacant—continued.

LANCASHIRE EDUCATION COMMITTEE.

FLEETWOOD CENTRAL COUNCIL SCHOOL.

Wanted, a HEAD MASTER for the Boys' Department (accommodation 100). Salary £270 per annum, rising by two annual increments of £10 each and four annual increments of £15 each to a maximum of £350 per annum. In addition to the above salary, an economic bonus of £52 per annum is paid at the present time. For special qualifications or experience, the initial salary in each case may be fixed at a higher amount than the minimum. The School will be a Central School, and will contain the senior children transferred from elementary schools. Applications, on forms which may be obtained from the undersigned, to be forwarded to H. STONESTREET, Esq., Blakiston Street West, Fleetwood, not later than 13th September, 1919. Canvassing will disqualify.

Wanted, a HEAD MISTRESS for the Girls' Department (accommodation 210). Salary, £310 per annum, rising by four annual increments of £10 and two annual increments of £15 to a maximum of £380 per annum. In addition to the above salary, an economic bonus of £52 per annum is paid at the present time. For special qualifications or experience, the initial salary in each case may be fixed at a higher amount than the minimum. The School will be a Central School, and will contain the senior children transferred from elementary schools. Applications, on forms which may be obtained from the undersigned, to be forwarded to H. STONESTREET, Esq., Blakiston Street West, Fleetwood, not later than 13th September, 1919. Canvassing will disqualify.

G. H. GATER,

County Offices, Preston.

UNIVERSITY OF MANCHESTER.

TER.—The Council of the University is about to make three appointments in the Department of Mathematics, one at a salary of £300 to £400 and two at a salary of £200 to £300, according to experience and qualification. Applications should be sent at once to the SECRETARY OF THE SENATE, from whom detailed conditions may be obtained.

MATRONS required for new School

Boarding House. Must be a good Needlewoman and have had some school and hospital experience. Nonconformist preferred. Apply—Miss PARKER GRAY, Abbotsford, Broadstairs.

Messrs. GRIFFITHS, POWELL & SMITH,

Telegraphic Address :
"SCHOLASQUE, LONDON."

Educational and School Transfer Agents,
(Established 1833),

Telephone :
GERRARD 7021.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at 84 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

TO ASSISTANT MISTRESSES.

AUTUMN TERM VACANCIES.

Messrs. GRIFFITHS, POWELL & SMITH invite immediate applications from well qualified Assistant Mistresses for the following appointments:—

ENGLISH, GENERAL FORM AND OTHER VACANCIES.

Assistant Mistress with Geography as special subject. Public School. Salary (Graduate) £150. (Staffs.)—No. 045.

Junior Form Mistress. Mathematics or Commercial work a recommendation. Public Secondary School. Salary £125. (Wales.)—No. 039.

Assistant Mistress for Mathematics and Latin. Salary £85 residence. (Lancs.)—No. 033.

Junior Form Mistress, usual subjects. Salary £70 resident and laundry. (Lancs.)—No. 023.

Mistress wanted for Boys' School, usual subjects for small boys. Salary £130 to £150. (Staffs.)—No. 007.

Mistress for Geography and History. Public School. Salary scale for Graduates. £170 to £300. (Wales.)—No. 006.

Mistress wanted for Modern Geography and French. Salary £100 resident. (Yorks.)—No. 2000.

Mistress with Degree, Arithmetic, Mathematics, and French.—No. 992.

Mistress with Inter. B.A. or similar qualifications. Salary £75 resident. (Devon.)—No. 985.

Assistant Mistress for Mathematics, Latin, and History. Salary £75 resident. (Surrey.)—No. 984.

Well-qualified **Assistant Mistress** for Geography, French, and Mathematics. Public School. Salary £140. (Wilts.)—No. 980.

Assistant Mistress wanted to teach History. Public School. Salary £250.—No. 978.

2 Assistant Mistresses wanted, one for Geography and General Form work, the other for General Form work and Middle School subjects. Public School. (Cheshire.)—Nos. 957 and 959.

Assistant Mistress for good English, History, Latin, and elementary Mathematics. Salary £100 res. (Surrey.)—No. 951.

First-class Teacher of English, Girls' Public School. (Dorset.)—No. 931.

Assistant Mistress for English, Mathematics, and Latin. Salary £80 resident. (Wales.)—No. 929.

Assistant Mistress with degree, if possible, General English, Mathematics, and French. Salary £80 resident. (Lancs.)—No. 925.

Assistant Mistress for good Latin, some Mathematics, or History or Geography. Salary £100 resident. (Scotland.)—No. 891.

Assistant Mistress for first-rate English and History. Salary £100 resident.—No. 871.

A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses. 150 posts for Junior Mistresses asking salaries of from £30 to £50 resident.

50 STUDENT-GOVERNESSES also required for superior Schools on mutual terms, namely:—Board-Residence, and Educational advantages in return for services.

Particulars of Suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Mistresses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 618 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

Assistant Mistress for Mathematics and Latin. Salary £100 resident.—No. 862.

Assistant Mistress for good History. Salary £120 resident. (Hunts.)—No. 713.

SCIENCE AND MATHEMATICAL VACANCIES.

Mistress for Physics and Mathematics. (Cheshire.)—No. 958.

Mistress for Botany and Mathematics for large and important School in Wales. Salary £160.—No. 970.

Science Mistress for Chemistry and Botany to London Intermediate standard. Public Secondary School. Salary £100 resident. (Devon.)—No. 973.

Mistress for Chemistry, Physics, and Mathematics. Salary £120 resident. (Ireland.)—No. 975.

Mistress qualified to teach Botany or Chemistry. Public School. Initial salary £150 to £300.—No. 010.

Mistress for Mathematics and Science. (Ireland.)—No. 014.

Science Mistress for Public School. Salary according to county scale, rising to £280.—No. 012.

Well-qualified and experienced Science Mistress. Botany chief subject. Initial salary £200. (Lincs.)—No. 035.

Mistress for Mathematics and Science. R.C. by preference. Salary £100 resident.—No. 041.

MUSIC VACANCIES.

Good Music Mistress with Solo and Class Singing. Salary £80 resident. (Scotland.)—No. 990.

Music Mistress with Diploma. Piano, Singing, Theory, Harmony. Salary about £70 or £80 resident. (Lancs.)—No. 971.

Highly-qualified and experienced Music Mistress. Salary £120 resident. School near London.—No. 966.

Senior Music Mistress, experienced in preparing for Exams. Piano, Harmony, Class Singing. Salary £80 resident and laundry. (Derbyshire.)—No. 945.

Mistress for Piano and Class Singing, able to prepare for Exams. Salary £60 resident. (Devon.)—No. 940.

Well-qualified Music Mistress for first-class Piano. Salary £60 resident. (Berks.)—No. 019.

KINDERGARTEN AND LOWER FORM VACANCIES.

Fully-qualified and Certificated Mistress for large Kindergarten. Salary about £70 with board and residence. School in Northumberland.—No. 710.

Fully Certificated Kindergarten Mistress for School in Yorkshire. Salary £100 non-resident.—No. 819.

Certificated Kindergarten Mistress for School in Cornwall. Salary £70 resident.—No. 917.

Certificated or Trained Mistress for School in Devon. Salary £60.—No. 941.

Certificated Kindergarten Mistress for School in Yorkshire. Salary £60.—No. 954.

Certificated Kindergarten Mistress. Salary £65 resident.—No. 008.

Certificated Kindergarten Mistress for School in Lancashire. Good salary to well-qualified Mistress.—No. 031.

Certificated Kindergarten Mistress for School in Scotland. Salary £70 resident and laundry.—No. 040.

Fully Trained and Certificated Mistress for London School. Salary £80 resident.—No. 042.

GYMNASTIC AND PHYSICAL CULTURE VACANCIES.

Mistress for good Drill, Dancing and Games. Must be fully Certificated and Trained. Salary £80 resident. (Near London.)—No. 022.

Mistress for Dancing, Drill, and Games. Salary £60 resident. (Suffolk.)—No. 996.

Games Mistress with good Gymnastics. Salary £75 resident and laundry. (Sussex.)—No. 956.

Gymnastic and Games Mistress. Dartford Trained preferred. First-class School near London. Salary £120 resident.—No. 824.

Gymnastic and Games Mistress for School in Yorkshire. Salary £65 resident.—No. 818.

Mistress for Gymnastics, Games, and Swimming. Salary £70 resident. (Surrey.)—No. 816.

Mistress for Gymnastics and Games. High class School in Kent. Salary £100 resident.—No. 748.

Posts Vacant—continued.**DENBIGHSHIRE EDUCATION AUTHORITY.****LLANGOLLEN COUNTY INTERMEDIATE SCHOOL.**

Applications are hereby invited for the post of HEAD MASTER of the above School, the duties to commence in January 1920.

The Head Master will receive a fixed stipend of £180 per annum, and a capitation payment for each scholar in the School, calculated on such a scale, uniform or graduated, as may be fixed from time to time by the School Governors, at the rate of not less than £1. 10s. nor more than £3 a year, but in no case shall the salary be less than £500 per annum.

The Head Master will also be provided with a house free of rent, rates, and taxes.

Candidates must be Graduates in Honours of a British University, and a knowledge of Welsh is desirable.

The person appointed will be required to carry out, and be subject to, the provisions of the Denbighshire Intermediate and Technical Education Scheme, No. 11, and any amendment thereof which may be hereafter made so far as the same relates to the Llangollen County Intermediate School.

Candidates canvassing directly or indirectly will be disqualified.

Application, endorsed "Head Master Llangollen County School," accompanied by 40 copies of three recent testimonials, must reach the undersigned on or before the 13th September, 1919.

J. C. DAVIES, M.A.,

Secretary and Director of Education.

Education Offices, Ruthin.
15th August, 1919.

DENBIGHSHIRE EDUCATION AUTHORITY.**LLANRWST COUNTY INTERMEDIATE SCHOOL.**

Applications are hereby invited for the post of HEAD MASTER of the above School, the duties to commence in January 1920.

The Head Master will receive a fixed stipend of £180 per annum, and a capitation payment for each scholar in the School, calculated on such a scale, uniform or graduated, as may be fixed from time to time by the School Governors, at the rate of not less than £1. 10s. nor more than £3 a year, but in no case shall the salary be less than £500 per annum.

The Head Master will also be provided with a house free of rent, rates, and taxes.

Candidates must be Graduates in Honours of a British University, and a knowledge of Welsh is desirable.

The person appointed will be required to carry out, and be subject to, the provisions of the Denbighshire Intermediate and Technical Education Scheme, No. 11, and any amendment thereof which may be hereafter made so far as the same relates to the Llanrwst County Intermediate School.

Candidates canvassing directly or indirectly will be disqualified.

Applications, endorsed "Head Master Llanrwst County School," accompanied by 40 copies of three recent testimonials, must reach the undersigned on or before the 13th September, 1919.

J. C. DAVIES, M.A.,

Secretary and Director of Education.

Education Offices, Ruthin.
28th July, 1919.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.**BINGLEY TRAINING COLLEGE.****APPOINTMENT OF PRINCIPAL.**

The West Riding Education Committee invite applications for appointment to the PRINCIPALSHIP of Bingley Training College, shortly to become vacant by the appointment of Miss H. M. Wodehouse, M.A., D.Phil., as Professor of Education in the University of Bristol. Commencing salary, £600 per annum, with board and residence.

Candidates must be women, and must hold a University degree or its equivalent. Further particulars and forms of application may be obtained from the Education Department (Secondary Branch) County Hall, Wakefield.

Last date for the receipt of applications, Saturday, October 4th.

TYPEWRITING.—Authors' MSS., Examination papers, Letters, Circulars, general copywriting, duplicating, &c.—J. TRIMNELL, 8 Moira Terrace, Cardiff.

DONCASTER MUNICIPAL HIGH SCHOOL.—Wanted, September, JUNIOR FORM MISTRESS. Essential subjects, English and elementary Mathematics. Salary: Graduates according to scale, £150—£10—£330; non-Graduates according to qualifications and experience. Apply, stating subsidiary subjects and full particulars, to HEAD MISTRESS.

Posts Vacant—continued.**BOARD OF EDUCATION.****MALTA, GOVERNMENT LYCEUM.**

TWO MASTERS are required for Government Lyceum, Malta. Candidates must be able to teach English, History, Geography, and Mathematics up to the standard of London University Matriculation. Preference will be given to trained teachers with previous experience in secondary or commercial schools. Candidates must be Roman Catholics.

Salary £170, rising by triennial increments of £6 to £230. House allowance of £30.

Candidates who wish to be considered for these appointments should submit their applications as soon as possible in covers marked "C. A.," addressed to the SECRETARY, Board of Education, Victoria and Albert Museum, South Kensington, London, S.W.7.

SCOTTISH CANDIDATES should apply to the SECRETARY, Scottish Education Department, Whitehall, London, S.W.1.

BOARD OF EDUCATION.**(1) STRAITS SETTLEMENTS.**

TWO European MISTRESSES are required for Government Schools. Candidates, between the ages of 27 and 34, should be unmarried; a University Degree, with either normal training or 4 years' experience in an Elementary or Secondary School. They should be capable of teaching up to the standard of the Senior Cambridge Local in English, &c.

Salary £200—£15—£320, with Duty Allowance of £50 and free quarters, a small charge being made for rent of furniture.

(2) RAFFLES GIRLS' SCHOOL, SINGAPORE. A COMMERCIAL MISTRESS is required to conduct a class in Shorthand, Typewriting, and in Commercial Terms and Arithmetic. Candidates should be between 26 and 30, hold Society of Arts First Class Certificate or other equivalent qualifications, and have at least two years' experience in teaching.

Salary £200—£10—£300, with Duty Allowance of £50 and an allowance for rent of £35.

(3) MAURITIUS.

Three ASSISTANT MASTERS are required for the Royal College for (a) Mathematics. Candidates should have obtained at least Second Class Honours. Knowledge of Physics desirable. Salary Rs. 6,000.

(b) SCIENCE MASTER, with at least Second Class Honours in Chemistry and a Diploma in Agricultural Science. Salary Rs. 5,000.

(c) CLASSICAL MASTER, with at least Second Class Honours in Classics. Salary Rs. 5,000.

(4) MALAY STATES.

(a) Perak, Ipoh, Anderson School.

(b) Taiping, King Edward VII School.

Two ASSISTANT MISTRESSES are required. Candidates should be able to take Kindergarten work, Piano and Singing, Drill and Games for Infants, simple Clay Modelling and Drawing, but the selected candidates may be called upon to take higher classes. Candidates, between the ages of 25 and 35, should be unmarried or widows, and hold the Teacher's Certificate.

The majority of the pupils are Asiatics, and the Head Master need not necessarily be a European.

Salary £200—£10—£250, with Duty Allowance of £50 and free quarters unfurnished.

(5) FIJI, SUVA.

ASSISTANT MASTER required for Boys' Grammar School, Suva. Candidates should be able to teach Lower Form subjects, including Latin and French. Preference will be given to a Graduate of a British University. Salary £300.

Candidates who wish to be considered for these appointments should submit their applications as soon as possible, in covers marked "C. A.," addressed to the SECRETARY, Board of Education, Victoria and Albert Museum, South Kensington, London, S.W.7. Scottish candidates should apply to the SECRETARY, Scottish Education Department, Whitehall, London, S.W.

LIVERPOOL.—BELVEDERE SCHOOL (G.P.D.S.T.).—SENIOR FRENCH MISTRESS wanted in January. Experience and good Honours Degree or equivalent essential. Work in Advanced Course and organization of subject throughout School. Initial salary from £200 to £250 non-resident, according to qualifications, rising shortly to £300.

Applications to be sent, with copies of testimonials, to the HEAD MISTRESS immediately.

CEYLON, CYPRUS.—GOVERNMENT MISTRESSES required. Interviews London. Travel out with family—HOOVER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. No charge till suited. Established 1881. Many excellent vacancies Schools and Families, £30 to £200. Stamp.

Posts Vacant—continued.**BURNLEY EDUCATION COMMITTEE.****BOYS' GRAMMAR SCHOOL.**

HEAD MASTER: H. L. JOSELAND, M.A.

The Governors invite applications for the following posts:—

(1) SENIOR ENGLISH MASTER, with subsidiary Geography or Art. Salary range from £215 to £350. Commencing salary will be fixed according to qualifications and experience.

(2) FORM MASTER. Chief subject: History, with some English. Salary as above if Senior Master; if Junior, commencing salary not less than £165, and rising to maximum of £350.

(3) A MASTER mainly for Physical Training, but could offer in addition Geography or Art. Salary as in No. 2 above.

(4) A JUNIOR FORM MASTER. Commencing salary according to qualifications and experience, but not less than £165.

Form of application will be forwarded on receipt of stamped addressed foolscap envelope. Applications should be returned as soon as possible to the DIRECTOR OF EDUCATION, Education Office, Burnley.

A. R. PICKLES,

Director.

August 13, 1919.

MARY DATCHELOR GIRLS' SCHOOL, CAMBERWELL, S.E.5.—Wanted, in January, 1920, a part-time ASSISTANT MISTRESS, for Games and Gymnastics. Hours, 1.45 to 5 p.m. in Winter, 1.45 to 5.30 in Summer, and Saturday mornings. Salary £80 a year. Apply, by September 30th, to the HEAD MISTRESS.

UNIVERSITY OF LEEDS.**DEPARTMENT OF EDUCATION.**

The Council will shortly proceed to the appointment of an ASSISTANT MASTER OF METHOD. Salary £250 a year. Particulars may be obtained from the SECRETARY, The University, Leeds, who will receive applications up to the 15th September.

MUSIC MISTRESSES wanted.—

Violoncello and Pianoforte Mistress required in large Girls' Boarding School in New Zealand. Also Violin and Junior Pianoforte Mistress. Salaries £150 resident, laundry, and passage out. Apply by letter to Miss V. SCOTT, 7 Falkner Square, Liverpool.

SHEFFIELD HIGH SCHOOL

FOR GIRLS (G.P.D.S.T.), RUTLAND PARK, SHEFFIELD.—Wanted, in September:—(1) MISTRESS to teach Mathematics and elementary Science, (2) In September or January, GYMNASICS AND GAMES MISTRESS, Osterberg or Bedford training preferred. Apply, with testimonials, to the HEAD MISTRESS.

REQUIRED in September, a Resident GYMNASIc MISTRESS for a College of Dancing, Musical and with experience. Apply—Miss BULT, River House, Walton-on-Thames.

KING EDWARD'S SCHOOL,

BIRMINGHAM.—FORM MASTER required, September 24th. First-rate English and French: Latin to Matriculation standard at least; Oxford or Cambridge Graduate preferred. Non-resident. Salary from £300, according to experience. Apply—R. CARY GILSON, Head Master.

HOUSE MISTRESS required.

Trained Cookery, Laundry, Housework, Needlework. Also MUSIC MISTRESS and MUSIC STUDENT (with some knowledge of elementary Latin, Algebra, or Geometry preferred).—Lawn Preparatory School, St. Austell, Cornwall.

NEW IDEALS IN EDUCATION.

RESIDENT MISTRESS wanted, in September, to direct the independent studies of children 6 to 8 years, after they leave the Montessori Department. Experience necessary. Must like freedom in education and open-air classes. Apply by letter, stating age, experience, lowest initial salary—Miss K. MANVILLE, 17 Finchley Road, N.W.8.

PRINCIPAL, Baliol School,

Sedburgh, requires resident experienced MISTRESS. Arithmetic, Geography, History, for Matriculation. Good salary.—SKEAT, 16 Normanton Road, S. Croydon.

EDUCATIONAL TRAVELLER

wanted by a Publishing House, to visit Elementary and Secondary Schools (the latter especially). He must be vigorous and interested in his work and of good manner, with some knowledge of educational books and wants. Reply, with note of experience and salary required, to E. L., c/o Anderson's Advertising Agency, 14 King William Street, Strand, W.C.2.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for Mistresses for September Term, 1919, for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates:—

General Junior Form Mistresses.

ASSISTANT MISTRESS required in first-grade Boys' Public School, to teach good general Preparatory subjects, including sound elementary Mathematics. Salary from £100, in addition to board and residence, according to qualifications.—No. 14,073.

ASSISTANT MISTRESS, to teach general Preparatory School subjects in first-class Boys' Preparatory School in South of England. Salary not less than £90 res.—No. 14,307.

ASSISTANT MISTRESS, to teach Mathematics up to Scholarship standard in Boys' Preparatory School in the South of England. Salary up to £200 non-res. according to qualifications.—No. 14,344.

ASSISTANT MISTRESS in important Boys' Preparatory School on the South Coast, to offer general Junior Form subjects, which must include good Geography and Drawing. Salary about £100 res.—No. 14,264.

ASSISTANT MISTRESS, in Boys' Preparatory School, to offer good Latin up to Scholarship standard in general Elementary School subjects. Salary up to £100 res., according to qualifications.—No. 14,036.

ASSISTANT MISTRESS, to teach general Elementary School subjects in Boys' School in Home Counties. Salary about £90 res.—No. 14,365.

KINDERGARTEN MISTRESS required in Mexico. Candidate looked for who is trained. Salary from £80 res. Passage paid.—No. 14,308.

KINDERGARTEN MISTRESS in important Girls' Boarding School on the South Coast. Subjects must include good Drawing. Salary not less than £90 res.—No. 14,215.

Mathematical and Science Mistresses.

ASSISTANT MISTRESS, to teach Botany as chief subject required. Candidates should state any subsidiary subjects. In important Girls' Boarding School in the North of England. Salary not less than £100, according to qualifications, in addition to board and residence.—No. 13,695.

ASSISTANT MISTRESS to teach Botany as chief subject, with elementary Physics and Chemistry (Mathematics would be an additional recommendation), in important Girls' High School in the North of England. Salary £200 res. £50 deducted annually for board.—No. 14,407.

ASSISTANT MISTRESS in important Girls' Secondary School in North Wales, to teach Botany, Mathematics, with subsidiary Chemistry. Graduate looked for, and salary up to £260 res., with £50 deducted annually for board.—No. 14,276.

MATHEMATICAL MISTRESS in important Girls' Boarding School in South of England. Graduate looked for, and member of Church of England. Salary £130 res.—No. 13,842.

SCIENCE MISTRESS to teach Botany, Physics, and Chemistry, with subsidiary elementary Mathematics (member of Church of England and Graduate), in important Girls' Boarding School on South Coast. Salary about £120 res.—No. 14,166.

SCIENCE MISTRESS, in important Girls' Secondary School in South of England, to teach Mathematics and Science. Graduate is essential. Salary £160 to £110 non-res., according to qualifications.—No. 14,222.

GEOGRAPHY SPECIALIST in important Girls' Convent in London to offer some subsidiary Subjects, which should be stated. Salary £20 res. for the term.—No. 14,401.

ASSISTANT MISTRESS for Secondary School in the North of England, to teach Geography throughout the School. Subsidiary subjects should be stated. Post non-res., and good salary according to qualifications.—No. 14,254.

General Form Mistresses.

MISTRESS required, to teach History, in a large Boys' Secondary School in Isle of Man in January or earlier, if possible. The post is non-resident. Salary offered not less than £250, according to qualifications.—No. 14,305.

ASSISTANT MISTRESS in September, to teach good French, English, and Scripture, in a large Girls' School on the South Coast. Salary from £150, rising to maximum of £320 non-res.—No. 14,366.

ASSISTANT MISTRESS to teach History throughout the School, with subsidiary English, in important Boys' Grammar School in North of England. Graduate is looked for. Salary not less than £150 non-res., according to qualifications.—No. 14,386.

ASSISTANT MISTRESS to teach English and History, in Girls' Boarding School on the South-east Coast. Salary offered about £100 res., according to qualifications.—No. 14,380.

MISTRESSES to join in January, in a High School in Poona, India. Candidates are looked for who can offer one or more of the following subjects:—Mathematics, Geography, and Latin. Members of the Church of England essential. Salaries offered £100 to £150, together with board and residence. Passage money will be paid on the understanding that candidates agree to hold their appointments for three years.—No. 14,387.

2 MISTRESSES to join in February of next year, in a Girls' School in Natal, South Africa, to offer general subjects, including Mathematics. Salaries up to £100 res., according to qualifications. Passage money paid.—No. 14,384.

ASSISTANT MISTRESS of Method, in important Training College. Member of Church of England essential. Salary £150, in addition to board and residence.—No. 14,224.

SENIOR ENGLISH MISTRESS required, in Girls' Boarding School in the North of England, to offer History, Latin, and Mathematics. Salary offered about £120 res., according to qualifications.—No. 13,285.

Music Mistresses.

MUSIC MISTRESS required to teach Piano and Class Singing in good Boys' Preparatory School in the Home Counties. Salary about £90 res.—No. 14,351.

MUSIC MISTRESS, in important Girls' School on the South Coast. Candidate looked for who is fully qualified and experienced. Salary about £160 to £190 non-res.—No. 14,289.

ART MISTRESS, in important Girls' Boarding School in the North of England. Salary up to £100 res.—No. 14,227.

ART MISTRESS, in important Girls' Boarding School in Scotland. Salary about £100 res.—No. 13,425.

Games Mistresses.

GYMNASTIC and GAMES MISTRESS required in important Secondary School in the North of England. Candidates looked for who can also offer some Secretarial work. Salary not less than £180 non-res., according to qualifications.—No. 14,321.

GAMES MISTRESS in Girls' Boarding School, in South of England, to also offer Gymnastics and Dancing. Salary not less than £70 res.—No. 14,078.

GYMNASTIC and GAMES MISTRESS, in important Girls' Boarding School, within easy reach of London. Training or experience essential. Salary £120 res.—No. 13,999.

ASSISTANT MISTRESS, to teach good Games, Gymnastic, and Dancing, candidate looked for who is fully trained, in important Girls' Boarding School on the South Coast. Salary about £100 res.—No. 13,837.

Messrs. GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

ESSEX EDUCATION COMMITTEE.

ILFORD COUNTY HIGH SCHOOL FOR BOYS.
Wanted, in September, Temporary MASTER or MISTRESS to teach English. Salary at the rate of £220 per annum.

Applications to be made on forms to be obtained on receipt of stamped addressed envelope from the CLERK to the GOVERNORS.

ESSEX EDUCATION COMMITTEE.

ILFORD COUNTY HIGH SCHOOL FOR GIRLS.
Required, in September, JUNIOR FRENCH MISTRESS, to take charge of a form. Degree, Training, or secondary school experience essential. Commencing salary £140 to £180.

Applications to be made on forms to be obtained on receipt of stamped addressed envelope from the CLERK to the GOVERNORS.

CHURCH OF ENGLAND TRAINING COLLEGE, CHELTENHAM.**DEPARTMENT FOR MISTRESSES.**

Wanted, in September, a LECTURER IN NEEDLEWORK who will assist the Mistress of Method in the School Practice of Students. Salary £150, with board and residence during term time. Apply at once, stating age, degree, qualifications, &c., to The Reverend the PRINCIPAL.

TYPEWRITING and Duplicating,
MSS., &c.; accurate, prompt.—MILNER, 18 Cardigan Street, Cardiff.

WANTED, in September, for South Coast Coeducational School, Two University or Public School Men, under 30 years, as resident CLASSICS and MUSIC MASTERS respectively. State qualifications and salary required. Address—No. 10, 877.*

HAINES HILL SCHOOL, TAUNTON.—Wanted, September, SENIOR MATHEMATICAL MISTRESS. Botany subsidiary. Degree and Churchwoman essential. Good experience desirable. Initial salary £100 to £130 resident, according to qualifications. Apply—PRINCIPAL.

HEAD MISTRESS for new Junior School, PENRHOS COLLEGE, COLWYN BAY, required, January 1920. Salary £200 to £250 resident, rising to £400. Excellent buildings and grounds. 60 pupils, ages 9 to 14; all boarders. Complete resident staff. Mistresses, Matron, and House-keeper. Salary scale and Pension Scheme. Degree and experience essential. Wesleyan. Age 25 to 35. Apply—PRINCIPAL, Penrhos College, Colwyn Bay.

ST. GEORGE'S SCHOOL FOR GIRLS (Incorporated) (Windmill Brae), GASCUBE TERRACE, EDINBURGH.—Wanted, in January, 1920:—

(1) FRENCH MISTRESS. Honours Degree or good French qualification, residence abroad, and training desired. Initial salary from £150.

(2) JUNIOR MISTRESS. Higher Certificate National Froebel Union. Initial salary from £130. Apply at once, with copies of testimonials, to the HEAD MISTRESS.

WANTED, for September, ENGLISH MISTRESS, resident, to teach Botany, Drawing, and German (two of these sufficient). Some experience necessary. Apply, stating qualifications. Address—No. 10, 887.*

ASSISTANT MISTRESS required, A Kindergarten trained preferred, for Boys' Preparatory School recognized by Middlesex Education Committee. Firm disciplinarian essential. Able to teach elementary French and Music. Give full particulars; enclose photograph. Address—No. 10, 888.*

(1) MATRON and (2) SECRETARY required in Girls' Boarding School in Hertfordshire. School experience essential. Good salaries. Send full particulars and copies of testimonials. Address—No. 10, 891.*

Posts Vacant—continued.**LONDON COUNTY COUNCIL.**

APPLICATIONS invited for the position of PRINCIPAL of George Green's School, East India Dock Road, Poplar, E.14. The school is a Secondary School for Boys and Girls between the ages of 8 and 19 years, and provides accommodation for 307 pupils.

The salary, based on present economic conditions, will be £600, rising by annual increments of £25 to a maximum of £800 a year, subject to the provisions of the Council's scale of salaries. Preference will be given to persons who have served or attempted to serve with the Forces of the Crown.

Forms of application may be obtained from the Education Officer, London County Council Education Offices, Victoria Embankment, W.C.2.

A stamped addressed foolscap envelope must accompany the application for the form. Applications must be returned to the Education Officer by 11 a.m. on Tuesday, 7th October, 1919.

Canvassing disqualifies.

JAMES BIRD,

Clerk of the London County Council.

LONDON COUNTY COUNCIL.

APPLICATIONS invited for the position of HEAD MASTER of St. Marylebone Grammar School, Marylebone Road, N.W.1. The school is a Secondary School for Boys between the ages of 8 and 19 years, and provides accommodation for 150.

The salary, based on present economic conditions, will be £500, rising by annual increments of £25 to a maximum of £700 a year, subject to the provisions of the Council's scale of salaries. Preference will be given to persons who have served or attempted to serve with the Forces of the Crown.

Forms of application may be obtained from the Education Officer, London County Council Education Offices, Victoria Embankment, W.C.2. A stamped addressed foolscap envelope must accompany the application for the form. Applications must be returned to the Education Officer by 11 a.m. on Tuesday, 7th October, 1919.

Canvassing disqualifies.

JAMES BIRD,

Clerk of the London County Council.

LONDON COUNTY COUNCIL.**EVENING INSTITUTES.**

LECTURES ON COMMERCIAL, TECHNICAL, AND HUMANISTIC SUBJECTS.

APPLICATIONS are invited from persons desirous of having their names placed on panels for employment as special Lecturers on Commercial, Technical, or Humanistic Subjects. The fee will be £2. 2s. a lecture of at least one hour's duration. The object of the lectures is to widen the outlook of students attending the Council's Evening Institutes, and it is intended that they should be stimulating as well as educational. Particulars of the proposed subjects will be forwarded with the application form. Canvassing disqualifies.

Apply to the Education Officer (T.6), Education Offices, Victoria Embankment, W.C.2, quoting this advertisement (stamped addressed foolscap envelope necessary). A form will then be sent, which must be returned by 13th September.

JAMES BIRD,

Clerk to the London County Council.

CHANNING HOUSE SCHOOL,

HIGHGATE, N.6.—Wanted, in September, Resident MATHEMATICS MISTRESS. Salary £80 per annum. Apply by letter, stating qualifications, other subjects offered, age, &c., to Miss L. TALBOT.

DR. WILLIAMS'S SCHOOL,

DOLGELLY.—Required, September, ASSISTANT MISTRESS. Science (chiefly Botany) and Mathematics. Salary £160—£10—£260 (of which £50 will be deducted for board, laundry, and medical attendance). Apply—HEAD MISTRESS, 11 Queen's Road, Ealing, W.5.

WANTED, end of September, in good Private School in Liverpool, FORM MISTRESS for little girls. English subjects, Arithmetic. Games desirable. Resident post. Good salary. Address—No. 10, 890.*

GYMNASTIC AND GAMES

MISTRESS required in Girls' Boarding School near London. Dartford or Bedford trained. Good salary. Send full particulars and testimonials. Address—No. 10, 892.*

Posts Vacant—continued.**DERBY TRAINING COLLEGE.**

Wanted, in September—

A Teacher of NEEDLEWORK and HANDWORK. Other things being equal, preference will be given to a lady who is skilled in Kindergarten work and who has been trained at a Kindergarten Training College. The post is resident, board, rooms, and attendance being provided. The salary will begin at £120 to £160, according to training, qualifications, and experience, and will be raised from time to time according to the work done. Candidates should be Churchwomen. Applications with full particulars should be sent without delay to Rev. Canon BATER, Training College, Derby.

GLAMORGAN TRAINING COLLEGE, BARRY.

Wanted, a resident WOMAN LECTURER IN MUSIC.

Candidates should hold a Diploma in Music, should be prepared to teach theory of Music and Singing (in both notations), to prepare students on the lines of the Music syllabus of the Government Certificate Examination, and to undertake the control of the general musical life of the College. Knowledge of Welsh songs essential. Candidates should also be willing to teach Needlework or some other form of Handicraft.

The appointment will date from January 1920.

Salary commencing at £130-180 according to qualification and experience, rising by annual increments of £15 (Fifteen Pounds) to £250 (Two hundred and fifty Pounds).

Applications should be received by the Principal, T. C. BARRY, Glamorgan, by September 15th.

"THE GIRDLERS" (Girls' Col-

legiate School, Ltd.)—HERNE BAY.—Required, in September, Resident MISTRESS, holding Diploma, preferably B.A. (Lond.) for general subjects and Geography. Salary £80 to £100 per annum. Apply—PRINCIPAL.

EDGBASTON HIGH SCHOOL.

FOR GIRLS, 34 HAGLEY ROAD, BIRMINGHAM.—Wanted, in September, a non-resident ENGLISH MISTRESS. Good honours degree essential. Salary according to scale, beginning at £180. Apply to the HEAD MISTRESS.

REQUIRED, for Cambridge, in

September next, non-resident TUTOR in History, with a subsidiary subject (Geography preferred). Must be a graduate in high honours (preferably London University). Minimum salary, £240 a year. Apply, stating age, qualifications, and experience (if any), to "HISTORY," care of the University Book Company, 42 Southampton Row, London, W.C.1.

REQUIRED, for Cambridge, in

September next, non-resident ASSISTANT TUTOR (either sex) in Modern Languages (French and English). Must be a graduate with high honours, preferably of London University. Minimum salary £220 a year. State qualifications and previous experience to "TUTOR," care of University Book Company, 48 Southampton Row, London, W.C.1.

BOURNEMOUTH COLLEGE.

BATE SCHOOL FOR GIRLS.—Three resident MISTRESSES required for September. (1) Classics, with French subsidiary; (2) Geography, with Mathematics subsidiary. Salaries from £90, with annual increment. (3) Art, with Junior English Salary from £70, with annual increment. Good qualifications essential. Very light supervision. The School is recognized by the Board of Education and is expected to come into the Pension Scheme. Apply to the PRINCIPAL.

WANTED, for September,

A.R.M.C. resident MUSIC MISTRESS. R.C. Salary £80 to £90. Girls' high-class Boarding School. Half an hour from Paddington. Address—No. 10, 893.*

UNCERTIFICATED or Supple-

mentary TEACHER required immediately for County Sanatorium. Salary of County Scale. Apply, giving personal particulars and copies of recent testimonials, to the SUPERINTENDENT to the Berks and Bucks Joint Sanatorium, Peppard Common, Oxon.

WANTED by Publishing Firm,

an ASSISTANT EDITOR for Educational Work. Applicant should be under 40 years of age and should have editorial and teaching experience. Address—No. 10, 894.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Truman & Knightley

SCHOLASTIC AGENTS LTD

TO ASSISTANT MASTERS ASSISTANT MISTRESSES LADY MATRONS

There are still a large number of remunerative appointments for the coming term in Public and Private Schools at home and abroad on Messrs. Truman and Knightley's books, and instructions regarding many January vacancies have already been received.

There is no charge for registration. The requirements of each applicant receive careful consideration and attention, and the commission charged to those for whom an appointment is secured is very moderate.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

OFFICES :

158-162 OXFORD STREET, LONDON, W.1.

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

BOOKS FOR LOWER AND MIDDLE FORMS

PUBLISHED AT THE UNIVERSITY TUTORIAL PRESS.

Mathematics and Science.

ALGEBRA, JUNIOR. By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. **3s. 6d.** With Answers, **4s.**
"Maintains the high standard of excellence we are accustomed to expect from so well known a source. The treatment of the graphic portion is particularly good."—*Journal of the Assistant Masters' Association.*

ALGEBRA, TEST QUESTIONS IN JUNIOR. By F. ROSENBERG, M.A., B.Sc. **1s. 6d.** With Answers, **1s. 9d.**
"A handy little volume containing a complete series of examples carefully graded, suitable for Junior classes."—*Educator.*

ARITHMETIC, THE JUNIOR. By R. H. CHOPE, B.A.
With or without Answers. Third Edition. **3s. 6d.**
"The book is well got up, and has a quite good selection of examples throughout."—*Mathematical Gazette.*

ARITHMETIC, TEST QUESTIONS IN JUNIOR. **1s. 6d.**
With Answers, **1s. 9d.**
"A fine collection of exercises."—*School Guardian.*
"A useful and carefully arranged collection of test questions for the use of lower classes . . . may be very warmly recommended."—*Bookseller.*

ARITHMETIC, PRELIMINARY. By AUGUSTUS BARRACLOUGH, M.A. **2s.** With Answers, **2s. 3d.**
"The chapters are clearly written, carefully arranged, and accompanied with a plentiful supply of examples and exercises."—*School Guardian.*

BOTANY, JUNIOR. By FRANCIS CAVERS, D.Sc. **3s. 6d.**
"Dr. Cavers has achieved a useful little book."—*Journal of Botany.*

CHEMISTRY, JUNIOR. By R. H. ADIE, M.A., B.Sc. Second Edition. **3s. 6d.**
"A thoroughly sound course of practical instruction."—*Nature.*

CHEMISTRY, JUNIOR PRACTICAL. By H. W. BAUSOR, M.A. **1s. 6d.**
"An excellent guide for the beginner."—*Educational Times.*

CHEMISTRY PRELIMINARY. By H. W. BAUSOR, M.A. **2s.**
"It is an excellent little book and will make a clear understandable foundation for a systematic treatment of Chemistry in the higher forms."—*Educational News.*

GEOMETRY, JUNIOR. By A. G. CRACKNELL, M.A., B.Sc. **3s. 6d.**

"A simple treatment of the elements of Geometry. A feature of the book is the number of questions which require a numerical answer, incorrect and careless work being thereby easily checked."—*Schoolmaster.*

GEOMETRY, PRELIMINARY. By F. ROSENBERG, M.A., B.Sc. With or without Answers. **2s. 9d.**
"Will prove distinctly helpful to the beginner in the study of Geometry."—*Bookseller.*
"The explanations are clear and precise."—*Nature.*

HEAT, JUNIOR. By JOHN SATTERLY, D.Sc., M.A. **2s. 9d.**
"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal.*

MAGNETISM AND ELECTRICITY, JUNIOR. By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**
"This book is one of the best regarded from the standpoint of exact thinking."—*Electrical Engineering.*

MECHANICS, JUNIOR. By F. ROSENBERG, M.A., B.Sc. **3s. 6d.** A beginner's course of reading in Dynamics and Statics.
"The book possesses all the usual characteristics and good qualities of its fellows."—*Schoolmaster.*

MECHANICS AND PHYSICS, AN INTRODUCTORY COURSE OF. By W. M. HOOTON, M.A., M.Sc., and ALFRED MATHIAS. **2s.**
A practical Course of Mechanics and Heat for Beginners.
"This book is intended for technical students, but it will be found very useful as a text-book for students in ordinary secondary schools."—*Secondary Education.*
"Many evening-class teachers who have to teach these subjects without algebra will be glad to note so simple and cheap a manual for their classes."—*Guardian.*

SCIENCE, JUNIOR EXPERIMENTAL. By W. M. HOOTON, M.A., M.Sc., F.I.C. Second Edition. **3s. 6d.**
"The explanations are clear, and we can recommend the work heartily."—*Secondary Education.*

SOUND AND LIGHT, JUNIOR. By K. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**
"Reaches a high standard with plenty of practical work and exercises."—*Guardian.*

Languages, History, and Geography.

ENGLISH COMPOSITION, JUNIOR. By E. W. EDMUNDS, M.A., B.Sc. **2s.**
"This excellent manual makes plain for the young pupil the essentials of good writing. Can be heartily recommended."—*Education.*

ENGLISH GRAMMAR, JUNIOR. With Parsing and Analysis. By A. M. WALMSLEY, M.A. Second Edition. **2s.**
"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*

ENGLISH GRAMMAR AND COMPOSITION, JUNIOR. In one volume. **3s. 6d.**

ENGLISH COURSE, PRELIMINARY. By A. M. WALMSLEY, M.A. **2s.**
"The author has kept in view the real aim of grammar, namely, 'the production of good English.'"—*Athenæum.*

FRENCH COURSE, NEW JUNIOR. By G. A. ROBERTS, M.A. **3s. 6d.**
"The book becomes a serious rival to those existing."—*Schoolmaster.*

FRENCH COURSE, PRELIMINARY. By H. J. CHAYTOR, M.A., and H. E. TRUELOVE, B.A. Second Edition. **2s.**
"An excellent first year's work, well arranged on systematic lines, with due regard to the advantages of the Direct Method, and also to the necessity for thoroughness in the acquisition of the language."—*Athenæum.*

FRENCH COURSE, DIRECT. By H. J. CHAYTOR, M.A. **2s.** With Vocabulary, French-English, **2s. 9d.**
"Mr. Chaytor is a teacher of experience, and his book does him credit."—*School World.*

FRENCH READER, NEW JUNIOR. By J. P. R. MARICHAL, L. ès L., and L. J. GARDINER, M.A. **2s. 9d.**
"Consists of well-chosen literary extracts in French."—*Education.*

GEOGRAPHY, JUNIOR. By G. C. FRY, M.Sc. **3s. 6d.**
"The matter is well arranged, the maps and diagrams are good, and the questions render the book a thoroughly practical aid."—*Schoolmaster.*

GEOGRAPHY, PRELIMINARY. By E. G. HODGKISON, B.A. **2s.**

"An admirable textbook, well suited to the needs of pupils."—*Literary World.*

GERMAN COURSE, DIRECT. By H. J. CHAYTOR, M.A. **3s.**
"Can be highly recommended for first-year students."—*School Guardian.*

HISTORY OF ENGLAND, PRELIMINARY. By M. K. ELLIOTT, Honours in the Historical Tripos, Cambridge, and M. S. ELLIOTT, B.A., Cambridge Geography Diploma. With Illustrations. **2s. 9d.**
"In addition to an outline of political events it tries to give some idea of social and constitutional development, and also to connect history with geography. It is clearly written and well illustrated."—*School World.*

HISTORY OF ENGLAND, SCHOOL. By M. E. CARTER, Honour School of Modern History, Oxford. **4s. 6d.**
"The essential outlines of the subject are presented in the most easily digestible form."—*Guardian.*

LATIN COURSE, NEW JUNIOR. By J. V. THOMPSON, M.A., and LL. M. PENN, M.A. **4s. 6d.**
"A very successful compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*

LATIN READER, NEW JUNIOR. By A. J. TATE, M.A. **2s. 9d.**
"The pieces are interesting and varied."—*School World.*
"Mr. Tate has shown great judgment in the extracts he has chosen."—*Bookseller.*

SHAKESPEARE, THE JUNIOR. "As You Like It," "Macbeth," "Merchant of Venice," "Much Ado About Nothing," "Tempest." Each **1s. 9d.**

SPELLING AND PUNCTUATION (with Pieces for Dictation). By HARRY SHOOSMITH, M.A. **1s.**
"An excellent little book outside and in."—*Literary World.*
"A useful little book for schools. It is very complete, and seems to deal with every difficulty which the pupil is likely to meet."—*Oxford Magazine.*

Complete Catalogue of Class Books for Secondary Schools, and separate Catalogues of Books for the Oxford and Cambridge Local, London University Matriculation and other Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

London: Printed by C. F. HODGSON & SON, Newton Street, Kingsway, W.C.2; and Published for the Proprietors by MR. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

Supplement to THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 602.

SEPTEMBER 1, 1919.

SOME BOOKS FOR NEXT TERM bearing specially on the Syllabuses for the 1920 and 1921 Examinations.

THE NEW HUDSON SHAKESPEARE.

With Introduction and Notes by HENRY NORMAN HUDSON, LL.D. Edited and Revised by E. C. BLACK, Ph.D., Glasgow, with the co-operation of A. J. GEORGE, Litt.D. Each volume 1s. 9d. net. The following Volumes are now ready:

As You Like It
Coriolanus
Hamlet
Henry V
Julius Caesar
Much Ado About Nothing.

King John
King Lear
Macbeth
Merchant of Venice
Midsummer Night's Dream

Richard II
Richard III
Romeo and Juliet
The Tempest
Twelfth Night

(Illustrated Prospectus post free on application.)

THE STANDARD ENGLISH CLASSICS SERIES.

While not encumbered with editorial matter, each volume in this series contains notes and introductory material designed to help the student to form a critical estimate of the classic as a work of art, and to appreciate the reason for the place which has been assigned in literature to the book and its writer.

Some 60 volumes, of which the following are a selection, are at present included in the Series. A complete list will be sent post free on application.

Arnold: Sohrab and Rustum (with other Poems including "Thyrsis" and "The Scholar Gipsy"). Edited by W. P. TRENT and W. T. BREWSTER. 1s. 6d. net.

Austen: Pride and Prejudice. Edited by J. F. SICHA. 3s. net.

Burke: Speech on American Taxation. Edited by J. H. MOFFATT. 1s. 6d. net.

Burke: Speech on Conciliation with America. Edited by H. LAMONT. 1s. 9d. net.

Coleridge: The Ancient Mariner, Christabel, Kubla Khan. Edited by L. R. GIBBS. 1s. 6d. net.

Dickens: A Tale of Two Cities. Edited by J. W. LINN. 2s. 9d. net.

Elliot: Silas Marner. Edited by R. A. WITHAM. 1s. 9d. net.

Gaskell: Cranford. Edited by W. E. SIMONDS. 1s. 9d. net.

Goldsmith: The Deserted Village, The Traveller, GRAY'S Elegy. Edited by L. POUND. 1s. 6d. net.

Goldsmith: She Stoops to Conquer. Edited by D. MILES. 1s. 9d. net.

Goldsmith: Vicar of Wakefield. Edited by D. H. MONTGOMERY. 1s. 9d. net.

Lamb: Essays of Elia (First Series). Edited by G. A. WAUCHOPE. 2s. 3d. net.

Macaulay: Essays on Addison and Milton. Edited by H. A. SMITH. 1s. 9d. net. (Or can be obtained separately, price 1s. 6d. net and 1s. 3d. net respectively.)

Macaulay: History of England, third chapter. Edited by A. BATES. 1s. 9d. net.

Milton: L'Allegro, Il Penseroso, Comus and Lycidas. Edited by H. B. SPRAGUE. 1s. 6d. net.

Milton: Paradise Lost, Books I and III, and Lycidas. Edited by H. B. SPRAGUE. 1s. 9d. net.

Pope: Selections (including an Essay on Criticism and An Essay on Man). Edited by T. M. PARROTT. 1s. 9d. net.

Thackeray: History of Henry Esmond, Esq. Edited by H. B. MOORE. 3s. 3d. net.

ENGLISH LITERATURE.

Its History and Significance for the Life of the English Speaking World. By WILLIAM J. LONG, Ph.D. 8vo, cloth. 597 pages. Illustrated. Price 6s. 6d. net.

A book, the object of which is to create or encourage in the student the desire to read the best books and to know literature itself rather than what has been written about literature. The volume bears evidence of wide scholarship, but is written with a simplicity and charm of style which makes it capable of being understood and enjoyed by students in the Upper Forms of Secondary Schools.

(A Prospectus of English Literature will be sent post free on application.)

MODERN LANGUAGES.

French.

Cornille: Le Cid. Edited by C. SEARLES. 2s. 3d. net.

Labiche and Martin: Le Voyage de Monsieur Perrichon. Edited by I. H. B. SPIERS. 1s. 6d. net.

La Fontaine: One Hundred Fables. Edited by O. B. SUPER. 2s. 3d. net.

Molière: Les Précieuses Ridicules. Edited by W. M. DAVIS. 2s. 6d. net.

Racine: Andromaque. Edited by C. SEARLES. 2s. 3d. net.

JUST PUBLISHED.

LE FRANÇAIS POUR TOUS par la méthode directe. By NOËLIE DUBRULÉ. 12mo, cloth. Illustrated. 264 pages. 4s. net.

An introductory course in French embodying the principles of the direct method in a modified form, and containing many interesting and attractive features. A picture forms the basis of each lesson. Throughout the book oral work holds an important place; "permutation" exercises furnish the necessary drill in grammar, while, as an aid to the acquirement of a vocabulary, *jeux de mémoire, chansons, &c.*, are frequently introduced.

Full particulars of any of the above and a complete list of publications in French, German, Spanish, and Italian will be sent post free on application.

German.

Freytag: Die Journalisten. Edited by L. R. GREGOR. 2s. 6d. net.

Goethe: Hermann und Dorothea. Edited by P. S. ALLEN. 3s. net.

Goethe: Iphigenie auf Tauris. Edited by P. S. ALLEN. 3s. net.

Goethe: Poems. Edited by M. SCHUTZE. 4s. net.

Hauff: Lichtenstein. Edited by G. W. THOMPSON. 4s. 6d. net.

Halm: Die Harzreise. Edited by L. R. GREGOR. 2s. 6d. net.

Kleist: Prinz Friedrich von Homburg. Edited by J. S. NOLLEN. 2s. 9d. net.

Lessing: Minna von Barnhelm. Edited by R. A. VON MINCKWITZ and A. C. WILDER. 2s. 6d. net.

Lessing: Nathan der Weise. Edited by S. P. CAPEN. 4s. net.

Schiller: Jungfrau von Orleans. Edited by P. S. ALLEN. 3s. 6d. net.

Schiller: Maria Stuart. Edited by M. MULLER and C. WENCKEBACH. 4s. 6d. net.

Schiller: Wilhelm Tell. Edited by J. B. VOS. 3s. 6d. net.

GINN & CO., Publishers, 9 St. Martin's St., Leicester Sq., London, W.C.2.

Clough's Correspondence College.

L.L.A. Examination.

Advantages of the Diploma of L.L.A.

Many Educational Authorities grant extra remuneration to teachers who hold the L.L.A. Diploma.

It is a University Qualification of great value to Lady Teachers who wish to secure Head Teacherships in Elementary Schools or good positions in Secondary Schools.

NEW COURSES NOW COMMENCING FOR L.L.A. 1920.

UP-TO-DATE PAPERS.

BEST PREPARATION.

Write for Syllabus and particulars. Do not delay.

43 Oxford Street,
Spondon.
Aug. 12th, 1919.

DEAR SIR,—

I'm so delighted with the result of L.L.A. which this year I have completed with Logic (Pass) and **English Literature (Honours—First Class)**.

I don't know how to thank you enough for your splendid tuition, without which I had no hope of success. The questions I answered for you proved my "guides, counsellors, and friends" on the great Examination day.

For your infinite care and patience with my numerous blunders, I beg you and your excellent tutors to accept my sincere thanks.

I am,
Yours gratefully,
BEATRICE HALLAM.

G. B. Clough, Esq.,
Temple Chambers.

L
L
A

17 Ayr Terrace,
St. Ives,
Cornwall.
12.8.1919.

DEAR SIR,—

The result of the recent L.L.A. Examination came yesterday, and I find that I am successful in each of the subjects for which I entered.

I have now completed the required number for either the **Teachers' Honours Diploma** or for the ordinary one.

I must once again thank you for the well-planned course of study which has been excellent throughout, the notes especially being most helpful.

I shall recommend your classes whenever possible.

I am,
Yours truly,
EDITH WILLIAMS.

For particulars of any of Clough's Classes—PUPIL TEACHER, PRELIMINARY CERTIFICATE, CERTIFICATE, MATRICULATION, OXFORD and CAMBRIDGE LOCALS (Junior and Senior), A.C.P., L.C.P., L.L.A., HIGHER FROEBEL—write at once to THE SECRETARY,

Clough's Correspondence College, Temple Chambers, London, E.C.4.

OXFORD AND CAMBRIDGE

LOCAL EXAMINATIONS, 1920.

S. denotes the Senior Examination. J. the Junior Examination.
P. the Preliminary Examination.

OXFORD.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d. (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s. (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

- CHAUCER—THE PROLOGUE TO THE CANTERBURY TALES.** By A. J. WYATT, M.A. With Introduction, Text, Notes, and Glossary. 1s. 6d. (S.)
MACAULAY—HORATIUS, LAKE REGILLUS, THE ARMADA. By A. J. F. COLLINS, M.A. 1s. 6d. (S.)
MILTON—COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d. (J.)
SHAKESPEARE—KING JOHN, MERCHANT OF VENICE, MIDSUMMER NIGHT'S DREAM, TEMPEST, TWELFTH NIGHT. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
SHAKESPEARE—JULIUS CAESAR. (Tutorial Shakespeare.) 2s. 3d. (S., J.)
SHAKESPEARE—AS YOU LIKE IT, MERCHANT OF VENICE, THE TEMPEST. (Junior Shakespeare.) Each 1s. 9d. (J.)
SHAKESPEARE—CORIOLANUS. (Tutorial Shakespeare.) 2s. 3d. (J.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By LL. M. PENN, M.A. (School Latin Classics.) 1s. 9d.† (S.)
CAESAR—GALLIC WAR, BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASON, M.A. 1s. 9d.† (S., J.)
CICERO—DE AMICITIA. By A. H. ALLCROFT, M.A., and W. F. MASON, M.A. 1s. 9d.† (S.)
VERGIL—AENEID, BOOK IX. By J. F. RICHARDS, M.A. 1s. 9d.* (S.)
VERGIL—AENEID, BOOK X. By A. H. ALLCROFT, M.A., and J. F. STOUT, M.A. 1s. 9d.* (S.)
EURIPIDES—HECUBA. By T. T. JEFFERY, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)
XENOPHON—ANABASIS, BOOK IV. By W. H. BALGARNIE, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)

CAMBRIDGE.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.* (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s.* (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

- MILTON—COMUS, LYCIDAS.** By S. E. GOGGIN, M.A. Each 1s. 6d. (S.)
MILTON—SONNETS. By W. F. MASON, M.A. Second Edition. 2s. (S.)
SCOTT—LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s. (P.)
SCOTT—LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s. (J.)
SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. (Junior Shakespeare.) 1s. 9d. (J.)
SHAKESPEARE—TEMPEST, HAMLET. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
TENNYSON—COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. (In the press.) (J.)
ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d. (S.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By A. H. ALLCROFT, M.A., and W. F. MASON, M.A. 1s. 9d.† (J.)
LIVY—BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASON, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
TACITUS—AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
VERGIL—AENEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAYES, M.A. 1s. 9d.† (S., J.)
EURIPIDES—MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d. (S., J.)
XENOPHON—ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s. (J.)

* Text, with Introduction, Notes, and Maps.

† Text, with Introduction, Notes, and Complete Alphabetical Vocabulary.

Complete Catalogue of Class Books for the Oxford and Cambridge Local Examinations, post free on application.

University Tutorial Press, Ltd.

High Street, New Oxford Street, LONDON, W.O. 2.

REVIEWS AND MINOR NOTICES.

THE STUDY OF ITALIAN.

- (1) *A Short Italian Dictionary*. Vol. I: *Italian-English*. By ALFRED HOARE. (9s. net. Cambridge University Press.) (2) *English-Italian*. By ALFRED HOARE. (7s. 6d. net. Cambridge University Press.) (3) *A New Italian Grammar*. By ERNESTO GRILLO. (6s. net. Blackie.) (4) *A Rapid Italian Course*. By WALTER RIPMAN. (4s. net. Dent.) (5) *Italian Grammar Self-taught*. By A. C. PANAGULLI. Second Edition, revised and enlarged. (In paper wrapper, 1s. 9d. net; Key to ditto, 9d. net. Marlborough.)

Lovers of Italy (and there are many in England) have, we think, begun to be aware that a knowledge of Italy which is limited to a traveller's experience in that country, to an acquaintance with the chief schools of Italian painting, and to a familiarity with some useful phrases in the language, is, after all, only the knowledge acquired by a *touriste curieux* and does not go very deep. It is true that a more extended knowledge of men and things in Italy has been gained by families domiciled there, members of which have described Italy from within, and these impressions have had a certain political and social value. Italy, too, has for many generations formed a poetic and romantic background for foreign writers. The novelist is inclined to use the Italian atmosphere as a forcing-house for his characters. The British and American essayist also has turned his phrases happily in Venice and in Florence and in Rome. But our greatest recent contributions to an understanding of Italy, in her historic past and her present, have been—first, the school of literary criticism which we associate with the work of Dr. Toynbee and Dr. Edmund Gardner, which, in scholarly treatment and sympathetic approach, is probably unmatched except in Italy herself; and, secondly, the historical narrative and criticism of Mr. Trevelyan, which has made the great figures of the men who struggled for Italian liberty real and living to us.

But, except for the work of these scholars, England has contributed very little to the interest in and understanding of Italian life. One reason, no doubt, for this passive attitude has been the want of clear guidance in the study of the Italian language. Now, however, that the war has brought about a closer contact between the two nations, and our social and political union has become an object of the first importance to England as well as to Italy, we welcome the timely appearance of a number of practical books on the subject of the Italian tongue. Some of these books which have recently appeared are intended for school use, and, no doubt, many schools will be considering the possibility of encouraging the study of Italian as a second foreign language. It is true that the value of Spanish as a commercial medium has at last been recognized, and Spain has also its fine epic and dramatic literature to offer us. But Italian has its claims upon us too. In literature it has an ancient and very rich store of material which has been continuously enlarged. Italy has her epic, her lyric and her drama, and her modern literary art. Experiments in the psychological novel, in new forms of verse, in the writing of historical records and impressions, have taken their rise in Italy. As a school subject, too, Italian is an inflected language which, in its opportunities for logical training, is not inferior to Latin and Greek, while the language is at once more elastic and artistic than German and gives chances for great beauty and novelty of expression. It is as capable of a clear and individual style as French. Italian is a developing tongue. In the technical arts and in the art of war Italy has produced new and suitable expressions in the vernacular, and these are not mere foreign accretions (as is so frequently the case in Germany), but they grow naturally from the spoken language.

It is the language of the present day in Italy that we need to know and use with ease. In the books before us a considerable amount of choice and selection has been exercised.

(1) and (2) For example, Mr. Hoare's "Short Italian Dictionary," intended, as he observes, for the English student, leaves out many antiquated English words, for which he would not need to find the Italian equivalent, and also leaves out Italian words that are no longer in current use and have only a historical interest.

(3) Dr. Grillo's "New Italian Grammar" has also a purely practical aim. As it is intended to be used by schools and commercial institutions as well as by Universities, it is shortened and compact, and it gives rules rather than reasons for rules. It uses, in fact, the Direct Method—it appeals to the ear, the memory, the habitual utterance, and is an excellent foundation for a closer historical study of the language. The exercises are suitable to the text and aim at familiarizing the student with current phrases by constant repetition of similar forms.

(4) The plan of Mr. Ripman's "Rapid Italian Course," which is modified from Dr. Alge's "Guida," is different, but suitable for those who wish to plunge into the language and gain readiness in reading the Italian text. Italian stories are the basis of the method; the exercises are either introductory or intended to make firmer the knowledge gained through reading. A few charming illustrations add an interest to the book.

(5) Prof. Panagulli's "Italian Grammar Self-taught" is a concise résumé of the elements of the language in a form that he has, no doubt, found useful in his own classes. It has the merit of simplicity, and the lessons are arranged, like black-board lessons, to appeal to the eye. It contains some short and varied extracts for reading, which would need to be considerably supplemented in class.

The student of Italian would find among these books something that would suit his needs at every stage. The dictionaries are indispensable and are in a form that is easy to handle.

MR. WELLS ADDRESSES TEACHERS.

The Undying Fire. By H. G. WELLS. (6s. net. Cassell.)

In his latest novel Mr. Wells continues that stern attack upon modern education which he began in "Joan and Peter." Of so much we are given notice in the dedication "to all schoolmasters and schoolmistresses and every teacher in the world." The sub-title, "a contemporary novel," is doubtless meant to convey to the reader that, though the literary shape of the book is cast in the mould of an ancient dramatic poem, the problems it deals with are those of the present hour. "The Undying Fire" is a modern adaptation of the Book of Job, and, if some of the religious newspapers are displeased with Mr. Wells's apparent irreverence, he can at least retort that he is no more irreverent than was the author of Job. Both are terribly in earnest; that is all.

In Mr. Wells's story, Job of the land of Uz becomes Mr. Job Huss, a great schoolmaster who has fallen on desperately evil days. The pseudo-comforter Eliphaz becomes Sir Eliphaz Burrows, a successful manufacturer of Temanite building blocks. Bildad appears as Mr. William Dad, Zophar as Mr. Joseph Farr (teacher of science in Mr. Huss's school), and Elihu of Barachel as Dr. Elihu Barrack, Huss's medical attendant. The development of the story is throughout loosely parallel to that of the ancient poem. We begin with a prologue in heaven, and with the ghastly misfortunes which befall the hapless schoolmaster, including a disease for which the sole but highly uncertain remedy is a serious operation. In his extremity, Huss is visited by Sir Eliphaz and Dad, two of his governors, and Farr, his scientific colleague. Like their Biblical prototypes, these worthies lift up their hands in pious horror at Huss's arraignment of the moral order, and a long discussion ensues, in the course of which they unfold a plan—the most unkindest cut of all—whereby Farr is in any case to become head master, and to transform the school into one where business shall be first, business last, and business all the time. As the original Job was next reproved by Elihu, so Huss is next reproved by Dr. Elihu Barrack. Then follows the operation, and while Huss is under the anæsthetic he has

a mental experience analogous to that of Job when the Almighty speaks to him out of the storm. Needless to say, the last chapter relates the schoolmaster's restoration to prosperity.

And what of the great mystery, as to which the Old Book has perhaps left little to be said, the mystery of unmerited suffering? "There burns," says Huss, "an undying fire in the hearts of men. By that fire I live. By that I know the God of my salvation. His Will is Truth; His Will is Service. He urges me to conflict, without consolations, without rewards. . . . He suffers—perhaps to triumph, and we must suffer and find our hope of triumph in Him. . . . Though the universe torment and slay me, yet will I trust in Him. And if He also must die—nevertheless, I can do no more. I must serve Him."

The teacher who is doing any good has this "undying fire" of God lit in his heart, and wants to light it wherever else it can be lit. If he turns out good business men, it is by aiming at making his boys more than business men. He thinks of chemistry and physics "not as a help to trading, but as a help to understanding," and he does not think of empire as "a commercial conspiracy fenced about with tariffs." He seeks to turn out men with hearts aflame for that Service which is God's Will. And, if we must have a catchword, salvation by history is a better catchword than salvation by test-tube. Such, if we read aright, is the gist of Mr. Wells's book. Some will complain, as some complained of "Joan and Peter," that its teaching is too indefinite to be useful. Of course, the answer is that, if you go to Mr. Wells at all, you must go to him, not for instruction, but for inspiration.

THE PAST AND PRESENT OF INDIA.

The Oxford History of India. From the Earliest Times to the End of 1911. By VINCENT A. SMITH, C.I.E. (12s. 6d. net. Clarendon Press.)

Napoleon declared that history is but a fable agreed upon. Until recent times this was literally true of the bulk of what passed for the history of India. Even now, spurious tradition and groundless myth permeate many departments of our literature—political, social, religious, and imaginative. For illustration, we need only refer to those modern novels that are supposed to be based on Indian history. But ignorance, prejudice, and perversion are just as abundant, if less evident, in many works of greater pretension. At the present moment distorted views of Indian life and thought are being widely distributed for political purposes, and Dr. Vincent Smith's volume therefore appears at a most opportune time.

The author of "The Oxford History of India" may justly claim what Macaulay regarded as the rarest of intellectual distinctions: he is "a really good historian," for he possesses knowledge, acumen, imagination, candour, and self-command. He can point a moral or propound a theory, but does so unobtrusively. In the main he is content with his proper function, to discover facts and to arrange them in a true perspective. Humour and irony he keeps well in hand. His book is not only unlike any other in existence: to a great extent, it also supersedes all previous histories of India. It is the result of half a century's assiduous research and of thirty years' close contact with Indian conditions. As an official, the author was fortunate in gaining an intimate knowledge of land-settlement work. No one should presume to write on Indian affairs who does not know the village cultivator, an extraordinary amalgam of shrewdness and simplicity, of ignorance and insight, of obstinacy and obedience, of energy and enervation. As judge and commissioner, Dr. Vincent Smith had further opportunities of investigating the social and economic life of the people and of collecting materials for sound judgment on the innumerable problems that must be faced by an original and unprejudiced inquirer. His tastes drew him to the study of oriental art and antiquities, and of all those material and spiritual deposits where the key to many enigmas lay buried.

The successive editions of the author's "Early History of

(Continued on page 630.)

PUBLISHED BY MACMILLAN & CO., Ltd.

OXFORD LOCAL EXAMINATIONS, 1920.

ENGLISH.

- Kingsley.—The Heroes.** With Notes by H. B. COTTERILL, M.A. 1s. 9d. [Preliminary]
- **The Heroes.** Edited by C. H. McMURRY, Ph.D. 1s. 6d. net. [Preliminary]
- Tennyson.—Select Poems.** With Introduction and Notes. By H. B. GEORGE, M.A., and Sir W. H. HADOW, M.A. 3s. [Preliminary]
- Shakespeare.—Julius Caesar.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by Rev. J. C. SCRIMGEOUR, M.A. 3s.—Edited by Prof. R. M. LOVETT. 1s. 3d. net.—Edited by G. W. and L. G. HUFFORD. 1s. 6d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **The Merchant of Venice.** With Introduction and Notes. By K. DEIGHTON. With an Appendix. 2s.—Edited by C. W. UNDERWOOD. 1s. 6d. net.—Edited by H. M. AYRES. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **Twelfth Night.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by E. P. MORTON. 1s. 6d. net.—Edited by W. M. HART, Ph.D. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Senior]
- **King John.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by H. M. BELDEN. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Senior]
- **A Midsummer Night's Dream.** With Introduction and Notes by K. DEIGHTON. With an Appendix. 2s.—Edited by P. T. CRESWELL, M.A. 1s. 3d.—Edited by E. C. NOYES. 1s. 6d. net.—Edited by J. H. CUNLIFFE. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Senior]
- **The Tempest.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by H. E. GREENE, Ph.D. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
- **As You Like It.** With Introduction and Notes. By K. DEIGHTON. 2s.—Edited by C. R. GASTON. 1s. 6d. net.—Edited by M. H. SHACKFORD. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior]
- **Coriolanus.*** With Introduction and Notes. By K. DEIGHTON. 3s.—Edited by S. P. SHERMAN, Ph.D. 1s. 3d. net.—Eversley Edition. With Notes. 1s. 3d. [Junior]
- Tennyson.—Poetical Works.** Globe Edition. 4s. 6d. [Senior]
- **Works.** Annotated by the Author. Vol. IX. BECKET. 5s. net. [Senior]
- **Geraint and Enid.** With Introduction and Notes. By G. C. MACAULAY, M.A. 2s. [Senior]
- Scott.—Ivanhoe.** With Introduction and Notes. 3s.—Edited by H. M. HITCHCOCK. 1s. 6d. net. [Junior and Senior]
- **The Fortunes of Nigel.** With Introduction and Notes. 3s. [Senior]
- Arnold.—Sohrab and Rustum.** Edited by F. R. TOMLINSON, B.A. 9d. [Senior]
- **Poems** (containing Balder Dead). Selected and Edited by G. C. MACAULAY, M.A. 3s. [Senior]
- Chaucer.—The Works.** Ed. by A. W. POLLARD, M.A. 4s. 6d. [Senior]
- **The Prologue, The Knight's Tale, The Nonnes Prestes Tale.** Edited by M. A. LIDDELL. 4s. [Senior]
- **The Prologue.** With Introduction and Notes. By A. W. POLLARD, M.A. 2s. [Senior]
- **The Prologue, The Knight's Tale, The Nun's Priest's Tale.** Edited by A. INGRAHAM. 1s. 6d. net. [Senior]

ENGLISH—continued.

- Coleridge.—The Rime of the Ancient Mariner.** With Introduction and Notes. By P. T. CRESWELL, M.A. 1s. 3d. [Senior]
- **The Ancient Mariner.** Edited by T. F. HUNTINGTON. 1s. 6d. net. [Senior]
- Wordsworth.—The Poems of Wordsworth.** Chosen and Edited by M. ARNOLD. 3s. 6d. net. [Senior]
- **Helps to the Study of Arnold's Wordsworth.** By R. WILSON, B.A. 1s. 3d. net. [Senior]
- Palgrave.—The Golden Treasury of Songs & Lyrics.** Selected by F. T. PALGRAVE. 1s. 9d. net. [Senior]
- Macaulay.—Horatius.** With Introduction and Notes. By W. T. WEBB, M.A. 6d. [Senior]
- Austen.—Pride and Prejudice.** 3s. 6d. net. [Senior]
- **Pride and Prejudice.** Abridged and Edited by H. A. TREBLE, M.A. 1s. 3d. [Senior]
- Gaskell.—Cranford.** Edited by Prof. M. W. SAMPSON. 1s. 6d. net. [Senior]
- Dickens.—Barnaby Rudge.** 2s. 6d. net. [Senior]
- Thackeray.—Esmond.** With Introduction and Notes. 3s. [Senior]
- **Esmond.** Edited by G. B. HENNEMAN. 1s. 6d. net. [Senior]
- Milton.—Lycidas and Comus.** With Introduction and Notes. By W. BELL, C.I.E., M.A. 2s. [Junior]
- **Comus.** With Introduction and Notes. By W. BELL, C.I.E., M.A. 1s. 6d. [Junior]
- **Comus, &c.** Edited by S. E. ALLEN. 1s. 6d. net. [Junior]
- Pope.—Homer's Iliad.** Edited by C. E. RHODES, M.A. 1s. 6d. net. [Junior]
- Kingsley.—Hereward the Wake.** With Introduction and Notes. 3s. [Junior]

LATIN AND GREEK.

- Virgil.—Aeneid.** Book IX. With Notes and Vocabulary. By Rev. H. M. STEPHENSON, M.A. 1s. 9d. [Senior]
- **Aeneid.** Book X. With Notes and Vocabulary. By Rev. S. G. OWEN, M.A. 1s. 9d. [Senior]
- Caesar.—Gallic War.** Book V. With Notes and Vocabulary. By C. COLBECK, M.A. 1s. 9d. [Junior and Senior]
- **Gallic War.** Book VI. With Notes and Vocabulary. By C. COLBECK, M.A. 1s. 9d. [Junior and Senior]
- Cicero.—De Amicitia.** With Notes and Vocabulary. By E. S. SHUCKBURGH, Litt.D. 1s. 9d. [Senior]
- Sallust.—Catiline.** With Notes and Vocabulary. By Rev. G. H. NALL, M.A. 1s. 9d. [Senior]
- **Catiline.** Edited by C. MERIVALE, D.D. 2s. 6d. [Senior]
- **Bellum Catulinae.** Edited by A. M. COOK, M.A. 3s. [Senior]
- Xenophon.—Anabasis.** Book IV. With Notes and Vocabulary. By Rev. E. D. STONE, M.A. 1s. 9d. [Junior and Senior]
- **Anabasis.** Books I-IV. Edited by Prof. W. W. GOODWIN and Prof. J. W. WHITE. 4s. [Junior and Senior]
- Euripides.—Hecuba.** With Notes and Vocabulary. By J. BOND, M.A., and Rev. A. S. WALPOLE, M.A. 1s. 9d. [Senior]
- Thucydides.—Book II.** Edited by E. C. MARCHANT, M.A. 4s. [Senior]
- Sophocles.—Antigone.** Edited by Rev. M. A. BAYFIELD, M.A. 3s. [Senior]

FRENCH.

- Daudet.—Lettres de Mon Moulin.** Selected by G. H. CLARKE, M.A. 3s. [Junior]

Complete List, including the Higher School Certificate Examination, free on application.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C.2.

India" bear witness to his unremitting industry, and the present work gives, with striking skill in compression, the essence of the researches of all the leading authorities, both old and new, Indian and European. His review extends from the earliest times to the memorable visit of their Majesties in 1911. But a useful appendix and several pages of notes and additions bring the contents practically up to the date of publication. The outstanding characteristics of the latest Viceroy's, brilliant or mediocre, are aptly indicated, and help the reader to understand the dangers and uncertainties of India's future. Precipitate change is the chief peril in Indian administration.

The book is lavishly illustrated and has a full index. The introduction, which comprises a discussion of the caste system, is a brilliant piece of writing. Altogether, this volume is indispensable to every teacher and student of the history of India—that huge congeries of peoples whose welfare is still so closely dependent upon British rule.

EDUCATION.

Essays in Common-Sense Philosophy. By C. E. M. JOAD.
(8s. 6d. net. Headley.)

Not every reader of this journal is, or has been, a student of philosophy, but, on the other hand, there are probably few among the best teachers who take no interest whatever in philosophical questions. At any rate, to those who are so interested we unhesitatingly tender the advice to mark Mr. Joad's book as one to be read. In particular, to anyone (and there must be a great many) who had lost respect for those professional philosophers who spoke a language that nobody else understood, and who have been won back by the efforts of such writers as William James to bring philosophy down from the clouds, we strongly recommend Mr. Joad's eminently readable essays. In more senses than one he has made a brilliant, and we think a successful, effort to mediate between the "plain man," who regards the philosopher as "a spinner of academic sophistries," and the philosopher, who regards the "plain man" as an "unreflecting fool." Have we any knowledge of sensible objects as they really are, and are the "new realists" right or wrong in their contention? Is monism to be deposed from its enthronement on the philosophical chair, and to be replaced by pluralism? What is truth? and has the pragmatist helped us to a solution of that time-honoured riddle? What is the real nature of beauty? Is it a relation between mind and object, or is it inherent in the object? Does the pluralism here advocated imply the existence of universals, as well as of physical objects? What is to be said of that philosophical theory of the State which was made in Germany, which has been dallied with by others besides Germans, and which has brought Germany on to the rocks? Are we justified in saying that thought is free, in the sense that it is unchecked except by its own laws, or in our thinking are we only finding reasons for what we wish to believe? These are the problems which Mr. Joad discusses—clearly, candidly, and with a liveliness of style which ought to win him many readers.

The Voyage of a Vice-Chancellor. (6s. net. Cambridge University Press.)

"A. E. S.," the Vice-Chancellor of Cambridge University, here gives us some extracts from a private diary which he wrote whilst on an extensive tour in the United States during the autumn of 1918 as a member of the British University Mission—a mission with a political rather than an educational object. The voyage over, a great round ensued of visits, speeches, and banquets, which would at the time have made our rationed mouths water had we known. The delightful touches of humour, which we shall not spoil by tearing them from their context, alone make the diary worth reading. But, skilfully mingled with the fun, are a great many observations upon American colleges and Universities, all well worth noting as coming from so distinguished an observer. Everywhere the Mission was received with kindness—"kindness which came from the brain as well as the heart." Let us hope that it will help to bring about a more complete understanding than ever before between the intellectuals of the two countries.

Projects in the Primary Grades. By ALICE M. KRACKOWIZER.
(5s. net. Lippincott Company.)

This book expounds, both in principle and in detail, a plan of work for what are called in America the Kindergarten and the primary grades—i.e. for children under ten years of age. The general idea underlying the treatment is excellent. Every thoughtful teacher of young children knows the continuous contrast between the formal subjects—reading, writing, and number—which, as tradi-

tionally presented, possess no inherent interest for the child, and are, therefore, apt to be imposed upon him, so to speak, *ab extra*; and such subjects as nature lore, stories, and handwork, which possess an interest in their own right. The author of this book seeks to show how this opposition can be transcended, and in doing so she renders a service to any teacher who feels the difficulty and knows that she has not succeeded in solving it. Play, the constructive activities, social experience, Nature experience, and literature are considered in turn from the point of view of "purposeful activities," and it is then shown how the formal subjects may be approached from the same point of view. To the initiated, the fact that the writer draws her inspiration largely from such men as the late Colonel Parker and Prof. John Dewey will be proof enough that her work merits attention.

Handicaps of Childhood. By H. A. BRUCE.
(7s. 6d. net. Kegan Paul.)

Mr. Bruce here provides us with a sequel to "Psychology and Parenthood." His chief concern on this occasion is to demonstrate the importance of early training in the moral sphere. The book may be recommended to thoughtful parents, though it is well to add a warning. Recent researches by psychoanalysts and neurologists generally have been concerned largely with pathological cases, and, though they have led to results of great value, there is a dangerous tendency to generalize from the conclusions arrived at with abnormal persons to the case of the ordinary well balanced, healthy child. The subconscious remnants of early experiences have doubtless a profound influence on adult life, and parents will find many of Mr. Bruce's suggestions as to how to deal with young children of real practical value. To give the titles of a few of the chapters is to show how closely in touch with the everyday life of the nursery the book keeps. We name a few: "The Child who Sulks," "Jealousy," "Selfishness," "Bashfulness and Indecision," and "Fairy Tales that Handicap."

Auto-erotic Phenomena in Adolescence. By K. MENZIES.
With a Foreword by Dr. ERNEST JONES. (4s. 6d. net. Lewis.)

We commend this temperate and helpful treatment of a subject of grave importance to all parents, school teachers, and clergymen. The facts brought to light by present-day knowledge are presented in a fair-minded manner, and the problem is discussed both with full understanding and consummate delicacy.

ENGLISH.

"Gateways to Bookland."—(1) *Within the Gates.* (2) *Vistas of Romance.* (3) *In Kings' Gardens.* (3s., 2s. 8d., 3s. net. McDougall's Educational Co.)

A series of selections from writers of all sorts and conditions, ranging from Malory, Macaulay, Burke, Ruskin, and Froide to Ainsworth, C. M. Yonge, Charles Lever, and Mrs. Gaskell! The easier writers in the original, the more difficult in simple paraphrase. Meant for young children, the collection is rather above the average, and is fairly even in quality, though a few—Browning's "Patriot," for example—are of a higher standard than the great majority. All three books are well printed and bound, and profusely illustrated.

The "A. L." Bright Story Readers.—No. 73, Grade S: *The Tower of London.* By W. H. AINSWORTH. Abridged, with Notes, by W. H. WEBSTER. (7d.) No. 104, Grade P: *Havelok the Dane*, &c. By E. M. WHITAKER. (2½d.) No. 117, Grade I: *East o' the Sun and West o' the Moon*, &c. By Sir G. W. DASENT. Prepared by W. H. WEBSTER. (3½d.) No. 118, Grade I: *The Story of Merryind.* By FRANCES BROWNE. Prepared by W. H. WEBSTER. (3½d.) No. 119, Grade I, *The Dwarf's Banquet; The Boy and the Nis.* By THOMAS KEIGHTLEY. Prepared by W. H. WEBSTER. (3½d.) No. 136, Grade III: *Caliph for a Day* ("Arabian Nights' Entertainments"). Newly told by J. B. MARSHALL. (5d.) No. 240, Grade IV: *The Settlers in Canada.* By Captain MARRYAT. Abridged, with Notes, by W. H. WEBSTER. (6d.) (Leeds: E. J. Arnold.)

These excellently printed books may be recommended to teachers of reading looking for something attractive and interesting. They will serve equally satisfactorily for class work or for silent reading. The more advanced of the readers are provided with helpful notes and a short descriptive account of the author.

Verse-writing, with Exercises. By W. H. CARRUTH.
(4s. New York: Macmillan.)

The first half of this book is disappointing, the little essays being thin in texture. The second half is original, for plenty of exercises are set, hints are given, and, *rara avis in terris*, the editor prints

(Continued on page 634.)

MACMILLAN'S LIST.

Book II Just Published.

Lay's Pupils' Class-book of English Composition. By ED. J. S. LAY, Author of "The Pupil's Class-books of Geography, History, The Vegetable Garden," &c. Book I (for children of 9 to 10). Illustrated, 1s. Book II (for children of 10 to 11), 1s. 3d.

Parts I, II and III Just Published Separately.

Elements of Analytical Geometry. By GEORGE A. GIBSON, M.A., LL.D., Professor of Mathematics in the University of Glasgow, and P. PINKERTON, M.A., D.Sc., Rector of the High School of Glasgow. Complete, 8s. 6d. Part I. The Straight Line and Circle. 3s. 6d. Part II. Graphs and Curve Tracing. 3s. 6d. Part III. Conic Sections. 3s. 6d.

The Boys' Own Book of Great Inventions. By FLOYD L. DARROW. Illustrated. 12s. 6d. net.

The Vocational Education of Girls and Women. By ALBERT H. LEAKE. Illustrated. 8s. 6d. net.

Education for the Needs of Life. A Textbook in the Principles of Education. By IRVING E. MILLER, Ph.D. 7s. net.

CAMBRIDGE LOCAL EXAMINATIONS, 1920.

ENGLISH.

Scott.—Lay of the Last Minstrel and The Lady of the Lake. Edited by F. T. PALGRAVE. 1s. 3d. [Preliminary, Junior and Senior]
— The Lay of the Last Minstrel. With Introduction and Notes. By G. H. STUART, M.A., and E. H. ELLIOT, B.A. Cantos I-III, 1s. 6d.; Complete, 2s. 6d. [Preliminary, Junior and Senior]
— Lay of the Last Minstrel. Edited by R. H. BOWLES. 1s. 6d. net. [Preliminary, Junior and Senior]
Defoe.—Robinson Crusoe. Part I. Edited by C. R. GASTON. 1s. 6d. net. [Preliminary and Junior]
— Robinson Crusoe. Edited by H. KINGSLEY. 4s. 6d. [Preliminary and Junior]
— Robinson Crusoe. Abridged and Edited by J. HUTCHISON. 1s. 3d. [Preliminary and Junior]
— Robinson Crusoe. Abridged and Edited by C. JOHNSON. 1s. 6d. net. [Preliminary and Junior]
Shakespeare.—The Tempest. With Introduction and Notes. By K. DEIGHTON. 2s. [Junior and Senior]
— The Tempest. Edited by H. E. GREENE, Ph.D. 1s. 3d. net. [Junior and Senior]
— The Tempest. Eversley Edition. With Notes. 1s. 3d. [Junior and Senior]
— The Tempest. (Text only.) 6d. [Junior and Senior]
Scott.—The Talisman. With Introduction and Notes. 3s. [Junior]
— The Talisman. Abridged Edition for Schools. 2s. [Junior]
— The Talisman. Edited by F. JOHNSON. 1s. 9d. [Junior]
— The Talisman. Abridged and Edited by F. TREUDLEY. 1s. 6d. net. [Junior]
Tennyson.—The Coming of Arthur and The Passing of Arthur. With Introduction and Notes. By F. J. ROWE, M.A. 2s. [Junior]
Milton.—Lycidas, Sonnets, &c. With Introduction and Notes. By W. BELL, C.I.E., M.A. 2s. [Senior]
— Comus. With Introduction and Notes. By W. BELL, C.I.E., M.A. 1s. 6d. [Senior]
— Comus, Lycidas, and other Poems. Edited by S. E. ALLEN. 1s. 6d. net. [Senior]

Industry and Trade: A Study of Industrial Technique and Business Organization; and of their Influences on the Conditions of Various Classes and Nations. By ALFRED MARSHALL, Emeritus Professor of Political Economy in the University of Cambridge. 18s. net.

Companion to Diaconus. By GEORGE G. LOANE, M.A. 6s. net.

Siepmann's French Series for Rapid Reading. New Vols.

Balzac: Le Bal de Sceaux. Limp cloth. 1s. 8d.

Ferry: Les Gambusinos. Bermudes el Meta-siete. Limp cloth. 1s. 8d.

A Geography of America. By T. ALFORD SMITH, B.A. (Lond.), F.R.G.S., Senior Geography Master St. Dunstan's College, Catford. With over 100 Maps and Illustrations. 4s. 6d.

[Macmillan's Practical Modern Geographies. *The Schoolmistress.*—"This book is written on regional lines. The special features of each region, the conditions under which men live, and how these conditions affect human activity, are well brought out. . . . It is a useful, up-to-date book."

Macmillan's Geographical Exercise Books. Africa. With Questions by B. C. WALLIS, B.Sc. Sewed. 1s. 6d.

Education.—"It would be difficult to find a more useful book of geographical exercises than this. The maps are clearly printed and the exercises well arranged and designed. The teacher of geography on modern methods will be well advised to see this series."

ENGLISH—continued.

Scott.—The Fortunes of Nigel. With Introduction and Notes. 3s. [Senior]
Shakespeare.—Hamlet. With Introduction and Notes. By K. DEIGHTON. 3s. [Senior]
— Hamlet. Edited by Prof. M. A. SHERMAN. 1s. 6d. net. [Senior]
— Hamlet. Edited by G. P. BAKER. 1s. 3d. net. [Senior]
— Hamlet. Eversley Edition. With Notes. 1s. 3d. [Senior]

LATIN AND GREEK.

Caesar.—De Bello Gallico. Book VI. With Notes and Vocabulary. By C. COLBECK, M.A. 1s. 9d. [Junior]
Virgil.—Aeneid. Book VI. With Notes and Vocabulary. By T. E. PAGE, M.A. 1s. 9d. [Junior and Senior]
Livy. Book V. With Notes and Vocabulary. By M. ALFORD. 1s. 9d. [Senior]
Tacitus.—Agricola. Edited by A. J. CHURCH, M.A., and W. J. BRODRIBB, M.A. 2s. 6d. [Senior]
Plautus.—Captivi. Edited by A. R. S. HALLIDIE, M.A. 4s. [Senior]
Xenophon.—Anabasis. Book I. With Notes and Vocabulary. By Rev. A. S. WALPOLE, M.A. 1s. 9d. [Junior]
— Anabasis. Book I. With Exercises. By E. A. WELLS, M.A. 1s. 9d. [Junior]
— Anabasis. Books I-IV. Edited by Prof. W. W. GOODWIN and J. W. WHITE. 4s. [Junior]
Euripides.—Medea. With Notes and Vocabulary. By Rev. M. A. BAYFIELD, M.A. 1s. 9d. [Junior and Senior]
— Medea. Edited by A. W. VERRALL, Litt.D. 3s. [Junior and Senior]
Thucydides.—Book IV, Chaps. 1-41. THE CAPTURE OF SPHACTERIA. With Notes and Vocabulary. By C. E. GRAVES, M.A. 1s. 9d. [Senior]
— Book IV. Edited by E. C. MARCHANT, M.A. 4s. [Senior]
Xenophon.—Memorabilia Socratis. Edited by A. R. CLUER, B.A. 6s. [Senior]
Homer.—Iliad. Books I, IX, XI, XVI-XXIV. Edited by J. H. PRATT, M.A., and W. LEAF, Litt.D. 6s. [Senior]

Complete List, including the Higher School Certificate Examination, post free on application.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C. 2.

Mr. EDWARD ARNOLD'S LIST.

ENGLISH.

- Arnold's English Literature Series.** 2s. 6d. each.
- | | |
|---------------------|--------------------------|
| Harold. | Tale of Two Cities. |
| David Copperfield. | Ivanhoe. |
| Old Curiosity Shop. | Westward Ho! |
| Dombey and Son. | Cloister and the Hearth. |
| Pickwick. | Hereward the Wake. |
| Lorna Doone. | |
- Arnold's Literary Reading Books.**
- | | |
|---------------------------------|--|
| In Golden Realms. 2s. 3d. | The Greenwood Tree. 2s. 3d. |
| In the World of Books. 2s. 6d. | Tellers of Tales. 2s. 3d. |
| Rambles in Bookland. 2s. 3d. | Shakespeare's Stories. 3s. |
| Chips from a Bookshelf. 2s. 3d. | Stories from "The Earthly Paradise." 2s. 3d. |
| Master Folk. 2s. 6d. | The Storied Past. 2s. 6d. |
| Far Afield. 2s. 6d. | The Tree of Empire. 2s. 6d. |
- Lee's Selections from English Literature.** Books I and II, 2s. 6d. Books III and IV, 3s.
- The Arnold Prose Books.** Each contains selections from one author. 24 Vols. Paper, 4½d.; cloth, 8d.
- The Laureate Poetry Books.** Books 1-7, Miscellaneous; Books 8-40, each containing one Poet. Paper, 4½d.; cloth, 8d.
- The Sesame Poetry Books.** Graduated miscellaneous poems. 7 Books. Paper, 4½d.; cloth, 8d. each.
- Arnold's School Shakespeare.** All the Plays read in schools. Price 1s. 6d. and 2s. each.
- Arnold's British Classics for Schools.**
- | | |
|------------------------------------|-------------------------------|
| Paradise Lost, I and II. 1s. 6d. | Lay of the Last Minstrel. 2s. |
| Paradise Lost, III and IV. 1s. 6d. | Lady of the Lake. 2s. 3d. |
| Marmion. 2s. 6d. | Childe Harold. 3s. |
| | Macaulay's Lays. 2s. |
- Selections from Matthew Arnold, Tennyson, Longfellow.** Each in One Vol. 2s. each.
- Stobart's Epochs of English Literature.** 2s. 6d. each.
- | | | |
|-----------------|------------|----------------|
| 1. Chaucer. | 4. Milton. | 7. Johnson. |
| 2. Spenser. | 5. Dryden. | 8. Wordsworth. |
| 3. Shakespeare. | 6. Pope. | 9. Tennyson. |
- Baine's Short History of English Literature.** 6s.
- Laureata and the Poet's Realm.** Two famous collections of Poetry for Schools. 2s. 3d. each Vol.
- The Britannia Poetry Book.** 1s. 4d.
- A Junior Book of Poetry.** 1s.
- English Narrative Poems.** 2s. 6d.
- A First Course of English Literature.** By Dr. R. WILSON. 1s. 8d.

COMPOSITION, &c.

- Arnold's Junior English Composition.** 1s. 8d.
- Kenny's Composition from English Models.** Book I, 1s. 8d. Book II, 2s. 6d.
- Arnold's Composition Lessons.** Books I-III, 3d. each; IV-VI, 4½d.
- Kenny's Exercises in Composition.** I-III, 5d. each.
- Arnold's Junior English Grammar.** 2s.
- Essay Writing.** By G. KENDALL, M.A. 2s. 6d.
- First Précis Book.** By G. A. F. CHATWIN. 3s.
- Précis Writing and Reproduction.** By W. J. GRIFFITH, M.A. 3s.
- Précis Writing.** By E. A. BELCHER. Second Series. 2s. 6d.
- Grammatical English.** By F. W. G. FOAT, D.Lit., M.A. 4s. 6d.

HISTORY.

- Junior History of England.** By Prof. OMAN, M.P., and M. OMAN. 3s. 6d.
- Arnold's Florin English History.** By C. E. M. HAWKESWORTH, M.A. 2s.
- Oman's History of England.** Complete, 7s. 6d. Parts I and II (dividing at 1603), 4s. 6d. each. Division I (to 1307), 2s. 6d. II (1307-1688), 3s. 6d. III (from 1688), 4s.
- Social and Industrial History of England.** By Dr. F. W. TICKNER. Complete, 7s. 6d. Parts I-III, 3s. each.

HISTORY—(continued).

- Scenes from European History.** By G. B. SMITH. 2s. 6d.
- Outlines of European History, 1814-1914.** By G. B. SMITH. 3s. 6d.
- The Last Century in Europe, 1814-1910.** By C. E. M. HAWKESWORTH. 7s. 6d.
- A General History of the World.** By OSCAR BROWNING, M.A. I—Ancient, 3s. 6d. II—Medieval, 3s. 6d. III—Modern, 3s. 6d. Complete in One Vol., 7s. 6d.
- The Ancient World.** By C. DU PONTET, M.A. 6s.
- The Days of Alkibiades.** By C. E. ROBINSON, M.A. 6s.
- Builders of History.** 6 Vols. 1s. 4d. each.
- Jerusalem under the High Priests.** By E. R. BEVAN, M.A. 7s. 6d. net.
- Lessons in Old Testament History.** By the Ven. A. S. AGLEN. 4s. 6d.
- Seven Roman Statesmen.** By Prof. C. W. C. OMAN. 6s.
- Friends of the Olden Time.** By A. GARDNER. 2s. 6d.

GEOGRAPHY.

- Arnold's Junior Geography.** 1s. 8d.
- Arnold's New Shilling Geography.** 1s. 8d.
- A Class Book of Geography.** By A. W. ANDREWS. 7s. 6d.
- Arnold's Modern Geographies.** I, England and Wales; II, The British Isles. 9d. each.
- Outlines of Physiography.** By Prof. A. J. HERBERTSON. 4s.
- The London School Atlas.** 1s. 6d., 2s. 6d., and 3s.
- Practical Atlas of the British Isles.** 8d. net.

FRENCH.

- First Lessons in French.** By M. BAGULEY. 2s. 6d.
- French à la Française.** By Lady BELL and Mrs. TREVELYAN. Book I, 10d.; II and III, 1s. each.
- French Without Tears.** By Lady Bell. Book I, 10d.; II, 1s.; III, 1s. 3d.
- Arnold's Modern French Course.** By H. L. HUTTON, M.A. Book I, 2s. 6d.; Book II, 3s.
- Arnold's Lectures Françaises.** Illustrated. Book I, 2s.; Books II-IV, 2s. 6d. each.
- Petite Grammaire Française.** By E. RENAULT. 2s.
- Grammaire Française.** By E. RENAULT. 5s.
- Exercices in French Grammar.** By E. RENAULT. 2s.
- Junior French Reader.** By E. RENAULT. 2s.
- French Composition.** By J. S. HOME CAMERON. 3s.
- Compositions Françaises d'après les Tableaux Célèbres.** By H. M. LAWRENCE. 2s. 6d.
- Le Français chez lui.** By W. H. HODGES and P. POWELL. 1s. 6d.
- Sur le Front.** Edited by A. S. TREVES. 1s. 6d.
- Les Français en Guerre.** By JETTA S. WOLFF. 2s.
- Les Français d'Anjourd'hui.** By JETTA S. WOLFF. 2s.
- Les Français en Ménage.** By J. S. WOLFF. 2s.
- Les Français en Voyage.** By JETTA S. WOLFF. 2s.
- Les Aventures de Maître Renard.** By M. CEPPI. 1s. 3d.
- Renard le Fripon.** By M. CEPPI. 1s. 3d.
- Deux Contes de Paul Féval.** By Rev. A. C. LARMOUR. 1s. 3d.

GERMAN and SPANISH.

- Arnold's Modern German Course.** By Dr. F. W. WILSON. 3s. 6d.
- First German Prose Composition.** By Dr. F. W. WILSON. 2s.
- Second German Prose Composition.** By Dr. F. W. WILSON.
- Free Composition in German.** By Dr. F. W. WILSON. 1s. 6d.
- A First German Reader.** By Prof. D. L. SAVORY. 2s.
- A First Spanish Book.** By H. J. CHAYTOR. 3s.
- A First Spanish Course.** By E. A. WOOLF.
- English-Spanish and Spanish-English Dictionary.** By A. M. A. BEALE. 7s. 6d. net.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

Mr. EDWARD ARNOLD'S LIST.

LATIN and GREEK.

- Arnold's New Latin Course.** By R. M. ALLARDYCE. Part I, 2s.; Part II, 3s.
Gardiner's First Latin Course. 3s.
Compendium Latinum. By W. F. WITTON, M.A. For pupils beginning at twelve or thirteen. 3s.
Easy Latin Prose. By W. H. SPRAGGE. 2s.
Latin Prose Composition. By W. R. HARDIE. 5s.
Gardiner's Latin Translation Primer. 2s.
Gardiner's Second Latin Reader. 2s. 6d.
The Fables of Orbilius. By A. D. GODLEY. Part I, 1s.; Part II, 1s. 6d.
Mirabilia. By C. D. OLIVE. Modern Stories in Latin. 2s.
Simplified Caesar. By W. F. WITTON. 2s.
Simplified Ovid. By W. F. WITTON. 2s.
Dies Romani. By W. F. WITTON. Easy Extracts. 2s.
Selections from Ovid's Heroides. By LEWIS and BROADBENT. 2s. 6d.
Selections from Ovid's Metamorphoses. By H. A. JACKSON. 2s.

MATHEMATICS.

- The Inductive Arithmetic.** By E. SANKEY.
 Pupils' Books, I-III, 4d. each; IV, V, VI, VII, 6d. each.
 Class Teachers' Books, with Answers, Notes on Method, and Oral Exercises. Books I to III, 1s. 6d. each; IV-VII, 2s. each.
A School Arithmetic. By A. C. JONES, Ph.D., and P. H. WYKES, M.A. 5s. 6d. Parts I-III, 2s. 6d. each.
Arithmetic for Schools. By J. P. KIRKMAN, M.A., and A. E. FIELD, M.A. 5s. With Answers, 5s. 6d.
Arnold's Half-Crown Arithmetic. By J. P. KIRKMAN and J. T. LITTLE. 2s. 6d.
Exercises in Arithmetic. By C. M. TAYLOR. Parts I-III, 1s. 6d. each, without Answers; 2s. each, with Answers.
Easy Arithmetic and Accounts. By E. SANKEY and G. A. LORD. Books I and II, 1s. 6d. each.
A School Algebra. By F. O. LANE, B.Sc., and J. A. C. LANE, M.A. 4s.; with Answers, 5s.
Elementary Algebra. By W. D. EGGAR, M.A. 4s. With Answers, 5s.
A First Formal Geometry. By R. WYKE BAYLISS. 2s. 6d.
Geometrical Exercises. By L. ASHCROFT, M.A. Parts I-IV, 4d. each.
Elements of Geometry. By Dr. R. LACHLAN and W. C. FLETCHER, H.M.I. 3s. 6d.
Elementary Geometry. By W. C. FLETCHER, M.A. 2s.
Practical Trigonometry. By H. C. PLAYNE, M.A., and R. C. FAWDRY, M.A. 3s.

PHYSICS and CHEMISTRY.

- A Textbook of Physics.** By Dr. R. S. WILLOWS. 9s. net.
Introduction to Practical Physics. By E. H. BARTON and T. P. BLACK. 5s.
Mechanics. By W. D. EGGAR, M.A. 4s.
Electricity and Magnetism. By C. E. ASHFORD. 4s. 6d.
Magnetism and Electricity. By E. W. KEMPSON. 3s. 6d.
Inorganic Chemistry for Schools. By W. M. HOOTON, M.A. 5s.
Elements of Inorganic Chemistry. By W. A. SHENSTONE, F.R.S. 6s. 6d.
Outlines of Inorganic Chemistry. By Dr. E. B. LUDLAM. 5s.

PHYSIOLOGY and PEDAGOGY.

- Elementary Physiology for Teachers.** By Dr. W. B. DRUMMOND. 2s. 6d.
A Manual of Physiology. By L. HILL, F.R.S. 7s. 6d.
Physiology for Beginners. By L. HILL, F.R.S. 1s. 6d.
Psychology for Teachers. By Prof. LLOYD MORGAN, F.R.S. 5s.
The Dawn of Mind. By M. DRUMMOND. 3s. 6d. net.
Experimental Pedagogy. By Dr. E. CLAPARÈDE. 5s. net.
Introduction to Child-Study. By Dr. W. B. DRUMMOND. 6s. net.

SINGING-CLASS MUSIC.

A series of entirely new Unison and Two-Part Songs for Treble Voices, with Piano Accompaniment and Sol-fa, in addition to Staff-Notation.

UNDER THE GENERAL EDITORSHIP OF
THOMAS F. DUNHILL,
 Professor at the Royal College of Music.

All the Songs have been specially composed for this series by the most distinguished British musicians, and are designed for use in Schools and Boys' or Girls' Choirs:—

UNISON SONGS.

- | | | | |
|---------------------------------|--------------------------------|-----|-----|
| 1. Dr. Granville Bantock | The Fairy Queen | ... | 4d. |
| 2. Sir Frederick Bridge, C.V.O. | Violets | ... | 3d. |
| 3. Dr. C. H. Lloyd | The Clucking Hen | ... | 3d. |
| 4. Dr. Charles Wood | The Knight's Tomb | ... | 3d. |
| 5. " " | Make We Merry | ... | 3d. |
| 6. " " | Mater Ora Filium | ... | 3d. |
| 7. R. H. Walthew | Mr. Nobody | ... | 4d. |
| 8. " " | Lullaby of an Infant Chief | ... | 3d. |
| 9. Sir A. C. Mackenzie | The Bonnie Burnie | ... | 3d. |
| 10. George Rathbone | A low and Aloft | ... | 3d. |
| 11. Sir Charles V. Stanford | Japanese Lullaby | ... | 3d. |
| 12. Sir Hubert Parry, Bart. | Neptune's Empire | ... | 3d. |
| 13. Harry Farjeon | Blossoms of the Night | ... | 3d. |
| 14. " " | The Lavender Lady | ... | 4d. |
| 15. W. G. Whittaker | The Squirrel | ... | 3d. |
| 16. " " | Buttercups and Daisies | ... | 3d. |
| 17. Geoffrey Shaw | When all the World is Young | ... | 3d. |
| 18. Sydney Marston | England all the Way | ... | 3d. |
| 19. Colin Taylor | The Robin | ... | 3d. |
| 20. Thomas F. Dunhill | I saw Three Ships | ... | 4d. |
| 21. Dr. Harold Darke | A Spring Song | ... | 3d. |
| 22. Martin Shaw | A Cradle Song | ... | 3d. |
| 23. Sydney H. Nicholson | The Dandelion | ... | 3d. |
| 24. John Ireland | A Song of March | ... | 3d. |
| 25. Ernest Farrar | *A Song of St. Francis | ... | 3d. |
| 26. Dr. W. G. Alcock | *If I were a Sunbeam | ... | 4d. |
| 27. " " | *Early Spring | ... | 4d. |
| 28. Dr. George Dyson | *When Icicles Hang by the Wall | ... | 3d. |
| 29. " " | *Praise | ... | 3d. |
| 30. Dr. A. Herbert Brewer | *Sing Heigh-Ho! | ... | 3d. |
| 31. Thomas F. Dunhill | *It was a Lover and his Lass | ... | 4d. |
| 32. " " | *A Night Welcome | ... | 3d. |
| 33. Edgar L. Bainton | *A Rosebud | ... | 3d. |

TWO-PART SONGS.

- | | | | |
|------------------------------|--------------------------------|-----|-----|
| 101. Dr. C. H. Lloyd | How Sweet the Answer Echo | ... | 3d. |
| 102. Dr. Granville Bantock | Makes | ... | 4d. |
| 103. Sir Charles V. Stanford | Pan | ... | 4d. |
| 104. " " | The Rose upon my Balcony | ... | 3d. |
| 105. " " | The Haymaker's Roundelay | ... | 4d. |
| 106. Sir Frederick Bridge | Claribel | ... | 3d. |
| 107. Dr. Percy Buck | A Song of England | ... | 3d. |
| 108. " " | A Carol of St. Brigit | ... | 4d. |
| 109. Sir A. C. Mackenzie | The Windmill | ... | 3d. |
| 110. " " | What the Birds Say | ... | 3d. |
| 111. Herbert Howells | The Fountain | ... | 3d. |
| 112. " " | Under the Greenwood Tree | ... | 4d. |
| 113. " " | A True Story | ... | 4d. |
| 114. " " | A North Country Song | ... | 4d. |
| 115. Dr. Charles Wood | To Blossoms | ... | 3d. |
| 116. R. H. Walthew | Serenade | ... | 5d. |
| 117. Colin Taylor | Joy and Woe | ... | 3d. |
| 118. Sir Hubert Parry, Bart. | The Wind and the Leaves | ... | 4d. |
| 119. Norman O'Neill | A Song of the Night | ... | 3d. |
| 120. Geoffrey Shaw | Lullaby | ... | 3d. |
| 121. George Rathbone | As Joseph was a-Walking | ... | 4d. |
| 122. Dr. Harold Darke | London Town | ... | 4d. |
| 123. G. von Holst | The Sheep | ... | 5d. |
| 124. " " | The Song of the Lumbermen | ... | 3d. |
| 125. Thomas F. Dunhill | The Corn Song | ... | 3d. |
| 126. Martin Shaw | Song of the River God | ... | 4d. |
| 127. Liza Lehmann | The Bird of God | ... | 3d. |
| 128. Ernest Farrar | The Daisy's Wedding | ... | 3d. |
| 129. Dr. Charles Wood | *Afton Water | ... | 4d. |
| 130. " " | *The Milkmaid | ... | 4d. |
| 131. Dr. W. G. Alcock | *Orpheus with his Lute | ... | 4d. |
| 132. Dr. George Dyson | *The Pedlar of Dreams | ... | 4d. |
| 133. " " | *A Wet Sheet and a Flowing Sea | ... | 4d. |
| 134. Harvey Grace | *A Fairy Madrigal | ... | 5d. |
| 135. W. G. Whittaker | The Snowflake | ... | 3d. |
| 136. John Ireland | *Old King Caraway | ... | 3d. |
| 137. Dr. E. T. Sweeting | *May Flowers | ... | 4d. |
| 138. George Rathbone | *The Bells of Shandon | ... | 4d. |
| 139. " " | *The Gentle Sounding Flute | ... | 3d. |
| 140. " " | *A Hunting Song | ... | 4d. |

THREE-PART SONGS.

(For female voices, unaccompanied.)

- | | | | |
|-----------------------|------------------------|-----|-----|
| 201. Dr. Charles Wood | *The Starlings | ... | 4d. |
| 202. " " | *Lilies | ... | 3d. |
| 203. George Rathbone | *The Early Dawn of Day | ... | 4d. |
| 204. Edgar L. Bainton | *The Sea | ... | 4d. |

Songs marked * have just been added to the series.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

his own criticisms of the verse work of his class. All this should be useful. Many schools write English verse to-day, and no handbook on the subject exists. This book is rather too American for English schools, but it contains many useful suggestions.

Shakespeare: Henry IV. Part II. Edited by L. WINSTANLEY. (2s. 6d. Heath.)

This is one of the best editions on the market. The introduction, if slightly too long, is to the point, the analysis of the characters being particularly good. The notes—unencumbered with material which, however scholarly it may be, is little better than waste paper from the teacher's point of view—give just what is required and no more. The type and size of page are well proportioned to each other, and the general "get-up" is excellent. The book may be unreservedly recommended.

Shakespeare: The Tempest; The Comedy of Errors. Bankside Acting Edition. (1s. net each. Wells Gardner.)

If a school desires to act a Shakespearean play—"The Tempest" or any other, the instructions here given are general—these little books will be found most useful. The table of contents is the best recommendation: a general introduction (first principles, the stage, methods of acting, practical stage-management, costume, rehearsals, and the like), choice of actors and parts, properties needed, &c., and an acting text of the plays themselves.

The Victory Readers. Books I, II, III, and IV. (8d., 8d., 10d., 1s. Nelson.)

A collection of very simple prose stories and poems suitable for children six to eight or nine years old, some of them well known, but most of them original. The print is large and clear, there are very passable woodcuts, and also a quite useful collection of easy questions at the end of each volume.

GEOGRAPHY.

The Foundations of Geography in the Twentieth Century.

By FRANZ SHRADER. (2s. 6d. Clarendon Press.)

The first Herbartson Memorial Lecture, now published in pamphlet form, was delivered at Oxford last November by Prof. Shrader, of the Ecole d'Anthropologie, at Paris. In striking language, Prof. Shrader restated the fundamental ideas of the earth in relation to the sun, planets, and fixed stars. He then considered some material and topographical facts of the structure of our globe and the connexion between Nature and humanity. After referring to the Prussian idea of might instead of right, of *Kultur* instead of education, he urged that the ideal of science must not be force, but harmony, and that geography must add to the whole of the sciences a large contribution to the natural and human harmonization. This well considered statement of geographical aims should be studied by all teachers who wish to inspire their pupils with the broad outlook which is so essential in this subject.

Transport. The Magic Carpet of Industry. By J. P. GRIFFITHS. (2s. 6d. Philip.)

Most boys will find this book full of interest. It is a little difficult to see how it could be used in geography classes, but it would make a fascinating addition to the school library. It describes briefly the history and development of transport by sea, road, canal, and railway; it is well and profusely illustrated; and it deserves a wide circulation.

A Causal Geography of the British Isles. By J. MARTIN. (4s. 6d. Longmans.)

Of the numerous textbooks on the British Isles recently published, this book is, in many respects, the best. It fully meets the requirements of the Matriculation and General School Examinations, and it is eminently suitable for candidates who are preparing for the various Civil Service Examinations. As a practical teacher, Mr. Martin knows not only how to choose his materials, but also how to present his facts in a clear and interesting manner. In the course of each lesson he intersperses questions requiring oral answers, in order to test the intelligence and imagination of the reader. The geographical factors which have influenced the gradual growth and distribution of the industries and population of the country are well brought out, the relation of the economic geography to the physical structure is carefully explained, and many historical events which bear on the subject are referred to. The text is illustrated throughout with excellent pictures and maps, which add greatly to the interest and value of the book. Fig 75, showing the Midland coalfields, is an example of what a sketch map should be. With a little help from the text, a boy could easily read from this map the essential features of one of the most important industrial areas of the country. When revising their lists of textbooks, teachers of geography in secondary schools would do well to consider the merits of this work.

HISTORY.

Guilds in the Middle Ages. By GEORGES RENARD. Translated by D. TERRY and Edited, with an Introduction, by G. D. H. COLE. (2s. 6d. net. Bell.)

The text of this book, translated from the French by a well known writer on economics and economic history, is in the main a sound and serviceable sketch of an important medieval institution. Unfortunately in this edition it has been exploited by its editor to serve the purpose of an anti-political propaganda.

The Sea Commonwealth and Other Papers.

Edited by Dr. A. P. NEWTON. (3s. 6d. net. Dent.)

This little volume contains six lectures delivered in King's College, London, during the autumn of 1917. They treat generally of the relation of Britain to the outer world. Sir Julian Corbett writes of the vital importance of sea-power to the Empire. Prof. Mantoux harmonizes French colonial ambitions with those of Britain. The late Mr. J. E. Mackenzie's contribution describes the formidable menace of Germany's imperial designs. Prof. A. F. Pollard treats with much force and ability the attitude of Britain towards the Monroe doctrine. Sir Harry Johnston deals with the development of Africa, and Mr. Basil Thomson with the problems of the Pacific. All these weighty utterances deserve attention.

Little Books of World History.

(9d. each. McDougall's Educational Co.)

Five volumes of this series lie before us. All are anonymous. They are intended to supplement the ordinary textbooks of insular history by providing sketches of great contemporary world movements. Such movements here depicted are: (1) The Wars of the Cross; (2) the conquests of the Turks in Europe; (3) the fight of Holland and Belgium for freedom in the sixteenth and seventeenth centuries; (4) the careers of Four Dreamers of World-Power—viz. Philip II, Louis XIV, Napoleon, William II; (5) the course of the century before the Great War. The little books are handy, ingenious, and suggestive. Each is extensively illustrated, but too many of the illustrations are valueless efforts of imagination.

Helps for the Students of History. Nos. 7-16.

By VARIOUS AUTHORS. (6d. to 2s. net. S.P.C.K.)

The S.P.C.K., continuing their useful series of "Helps for the Students of History," have issued ten more of their handy pamphlets. We must content ourselves with mentioning their titles. The names of the authors are a sufficient guarantee of excellence. No. 7 deals with the documents in the Public Record Office, Dublin (Dr. R. H. Murray); No. 8 treats of the French Wars of Religion (Mr. A. A. Tilley); Nos. 9-11 give a history of the period of the Congresses from the pen of Sir A. W. Ward, who follows up his narrative by providing in No. 12 an account of attempts to find securities for peace during the subsequent era; No. 13 sketches the French Renaissance (Mr. A. A. Tilley); No. 14 supplies hints on the study of English Economic History (the late Archdeacon Cunningham); No. 15 provides valuable guidance for students of parish history and records (A. H. Thompson); No. 16 furnishes an introduction to the study of Colonial History (Dr. A. P. Newton).

A Short History of the Great World War.

By F. MAYNARD BRIDGE. (6s. net. Deane.)

With commendable enterprise Mr. Bridge, of St. George's School, Windsor Castle, and Messrs. Deane & Sons, of the Year-book Press, have brought out a history of the War on the very morrow of the War's completion. There is, however, nothing hasty in their production. The early sections summarize in a convenient manner the detailed information given in the larger histories; the later chapters, though necessarily less complete, present an adequate sketch of the course of events. Twenty-two maps accompany the text, and there is a vigorous coloured frontispiece by Mr. H. J. Ford, whose skill as a historical artist is well known.

MISCELLANEOUS.

What will My Position Be? By E. H. ALLEN.

(1s. net. Evans.)

It is the duty of every teacher to make himself acquainted with the Pensions Act, and, although we do not think that many teachers will "lose a pension or gratuity through sheer ignorance," Mr. Allen's booklet will fill a gap; it is well arranged, and the catechism at the end will clear away many misunderstandings. On the other hand, references to the sections and sub-sections of the Act and the statutory rules might have been given. In addition to the Act and Rules, many "rulings" have been given on several thorny questions. One of the chief difficulties of the Act is the distinction between recognized and qualifying service, and the book does not make a serious attempt to clarify the situation. Notwithstanding omissions, the booklet will be of great service to teachers who have neither the time nor the inclination to master the intricacies of the Act.

(Continued on page 636.)

THE ONLY MAGAZINE OF ITS KIND!

"ENGLISH"

For Readers and Writers, Government Officials, Teachers and Preachers, Journalists, Business Men, Public Speakers and Private Students, and all Lovers of the English Language at Home and Abroad.

Edited by an Englishman.

Monthly, **6d.** (8d. post free). Annually, **7s. 6d.** post free.

The only Magazine in the British Empire devoted wholly to the English Language.

W. & G. FOYLE, LTD.,

121-125 CHARING CROSS ROAD, LONDON, W.C.2.

SAVE 50% of your TIME

by ordering your **NEW BOOKS** through Mr. John Davis, who can always secure good second-hand copies of manuals out of stock at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a further order for you as I am well pleased with your past efforts to secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C.4

TEACHERS' CHRISTIAN UNION.

Associated with the Y.M.C.A. and the Y.W.C.A.

President:

The Rev. Canon A. A. DAVID, D.D.,
Head Master of Rugby.

Vice-Presidents:

Miss M. H. WOOD, M.A., Litt.D., Principal
of the Cambridge Training College.
The Rev. Canon W. TEMPLE, D.Lit.

THE REPORT of the TEACHERS' CHRISTIAN UNION CONFERENCE upon "Ideals and Problems of Religious Education," held at Swanwick last April, containing speeches by Miss M. H. Wood, The Rev. Canon B. H. Streeter, Miss Waterhouse, Professor Cock, The Rev. Canon R. H. Kennett, Mr. Albert Mansbridge, Mr. J. L. Paton, and discussions upon "The Religious Education of Children, Adolescents, and Adults," is now on sale and can be obtained from

**The Secretary, Teachers' Christian Union,
16 Russell Square, London, W.C.1.**

Price 2s. net, 2s. 2d. post free.

Also "The Religious Education of the Adolescent," by Professor A. A. Cock published separately, 6d. net, 7d. post free.

LA PETITE REVUE

(Reliance Press, London.)

Do your Pupils take it? Vol. IV STARTING.

Bound Volumes. For boys and girls. It keeps them keen. Parcels, post free, **three** times a term at the rate of **6d.** per pupil, and pro rata. 276 go to **ONE** London school.

H. J. PURKISS,

THE KING'S SCHOOL, GRANTHAM.

NOTICE.

Increase in price of back numbers of
"The Journal of Education."

Copies of *The Journal of Education* over twelve months old are now charged **double price**, and those more than three years old, **treble price**.

For a list of Numbers, Volumes, and Binding Cases, still in print, apply to the Publisher:

Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

A. & C. BLACK'S HISTORIES.

By **M. W. KEATINGE, M.A., D.Sc.,**
Reader in Education in the University of Oxford.

A FIRST HISTORY OF ENGLAND.

Demy 8vo, cloth, with many illustrations. Price **3s. 6d.**
Or in two half volumes. Price **2s.** each.

This history is suited for boys and girls from nine to twelve. Its main features are the large number of pictures, upon which to a great extent the narrative is based, the attention paid to social and industrial history, exercises on the pictures, and references for the teacher or the pupil to illustrative material for each episode. Summaries are included.

By **M. W. KEATINGE, M.A., D.Sc.,**
Reader in Education in the University of Oxford; and

N. L. FRAZER, M.A.,

Head Master of Ilkley Grammar School.

A HISTORY OF ENGLAND FOR SCHOOLS.

With Documents, Problems, and Exercises. Price **7s. 6d.**; or in Two Parts, **4s.** each.

Part I.—55 B.C. to A.D. 1603. Part II.—A.D. 1603 to Present Day.

The "Documents, Problems, and Exercises" are also published separately under the title of

DOCUMENTS OF BRITISH HISTORY.

In One Volume. Price **6s.** Or in Six Sections. Limp Cloth Price **1s. 4d.** each.

Sec.	A.D.	Sec.	A.D.
I.	78-1216.	IV.	1603-1715.
II.	1216-1399.	V.	1715-1815.
III.	1399-1603.	VI.	1815-1900.

AN INTRODUCTION TO WORLD HISTORY.

Containing 20 Maps and 24 Illustrations. Price **3s. 6d.**

By **JOHN FINNEMORE.**

SOCIAL LIFE IN ENGLAND.

Small Crown 8vo. Price **2s. 6d.** each.

Vol. I. From Saxon Times to 1603.

Vol. II. From 1603 to the Present Day.

The aim of this Reader is to give a picture of the life of the people at different periods. It describes how they worked and how they played; how the great man dealt with the small, and how the small man made a living; how the rogues were kept in order, and how justice was done between man and man; what the people ate and wore, and how much they paid for food and clothes; what they got for their labour, and what they did with it. It is suitable for the upper classes of primary schools and the lower and middle forms of secondary schools.

By **H. L. BURROWS, M.A.**

THE STORY OF ENGLISH INDUSTRY AND TRADE.

Containing 36 Illustrations. Price **2s. 6d.**

This book is intended for use as a reader and textbook for the upper classes of primary schools and the lower and middle forms of secondary schools.

By **EUGENE L. HASLUCK, B.A., F.R.Hist.S.**

AN INTRODUCTION TO THE HISTORY OF ENGLAND.

With 15 Sketch Maps. Price **3s. 6d.**

This volume aims at delineating in clear outlines the main threads of our History, and at enabling the student to grasp the essential lines on which England has developed as a State. It is intended as a book for use in the upper forms of schools, and a good knowledge of the contents of this volume should be sufficient for the purpose of the London Matriculation Examination.

A. & C. BLACK, Ltd.,

4, 5, & 6 Soho Square, London, W. 1.

MUSIC.

Listener's Guide to Music. By PERCY SCHOLES.
(3s. 6d. Oxford University Press.)

Mr. Scholes has succeeded in making a romance out of a textbook. In an admirably written introduction, Sir Henry Hadow draws attention to the aims and purpose of the book, which is written, "not for the students and connoisseurs, but for plain, simple people who like music, but are a little bewildered by its complexity, and by the pace at which it passes across the attention." In a style far removed from that of the ordinary music textbook, the author chats on the essentials of true listening, on how the composer works, on the orderliness in design of a musical work, and initiates the reader into the mysteries of sonata form, the fugue, and so on. Among other interesting features, there is at the end of the book a concert-goer's glossary of terms found in analytical programmes, and an appendix giving hints on the class use of the book.

PEOPLE'S BOOKS SERIES.

Industrial Chemistry. By Dr. CLERK RANKEN.
(1s. 6d. net. Jack.)

A concisely written attempt to show how much our national life is dependent on the chemist and also to provide a corrective to the "series of lamentable blunders" perpetrated by the daily Press in its endeavours to deal with scientific matters. This little volume succeeds in covering a wide field. Fertilizers, metallurgy, oils and fats, the dyeing industry and its ramifications, brewing, incandescent mantles are all brought under review. In spite of the fact that little space can be given to each of these subjects, the author manages to keep well up to date. The fixation of nitrogen, the "hardening" of oils, and the manufacture of artificial silk for examples, are usefully and clearly dealt with.

A History of Greece. By E. FEARENSIDE. (1s. 3d. net. Jack.)

An attempt is made to cover in 120 pages or so the history of Greece from the earliest times to the Battle of Cynoscephalæ, when Rome finally conquered Greece. In order to do this, many aspects of the story have had to be ignored. There is nothing about the achievements of the Greeks in the world of thought; the history dealt with is almost entirely political, but within these limits the story is clearly and simply told.

Emanuel Swedenborg. By L. B. DE BEAUMONT.
(1s. 3d. net. Jack.)

An excellent short account of Swedenborg's life and philosophy. The writer's object seems to be to show that Swedenborg was much more than the mystic he is commonly held to have been. His claims as a man of science and the modernity of his philosophy are insisted upon. Whatever we may think about these views, the book is worth reading, and, better still, thinking about. It is an able introduction to the subject.

Christianity and Christian Science: a Contrast. By
M. CARTA STURGE. (1s. 3d. net. Jack.)

The subjects with which this little book attempts to deal are large and difficult, and they are admittedly treated inadequately. Nevertheless, there is abundant food for thought here. The author does not take up a decisive attitude for or against the claims of Christian Scientists, though he seems inclined to believe that there may be something in them. He has at least produced a readable treatise for busy men.

Vegetable Gardening. By J. S. CHISHOLM. (1s. 3d. net. Jack.)

A little treatise for the allotment-holder or school gardener. Clearly written chapters on Soil Management, Manures and Fertilizers, Rotation, Sowing and Transplanting are followed by explicit directions for the cultivation of each of our common vegetables in succession. The recognition of and treatment for the diseases to which each plant is liable are also adequately considered. The whole forms a complete and trustworthy handbook for the gardener.

SCIENCE.

An Introduction to the Study of Science. By W. P. SMITH
and E. G. JEWETT. (7s. 6d. net. New York: The Macmillan Company.)

Judging from the textbooks of science which reach us from America, teachers in the United States realize more fully than those in this country that the majority of boys and girls discontinue their study of science when they leave the secondary school. American courses of school science are to a large extent complete in themselves and designed mainly to provide such an acquaintance with the principles of science as may reasonably be expected from all educated persons. With us, on the contrary, where school curricula are determined in too large a measure by University Examining Bodies, the courses of physics and chemistry are of a preliminary nature, and intended as an introduction to the academic study of the subjects in college laboratories, the result being that the

majority of our secondary-school pupils complete their education ignorant to a large extent of the industrial and technical applications of the principles of the sciences they are supposed to have studied. The book under consideration illustrates admirably the difference in point of view. The 609 pages of text are divided into fourteen chapters, dealing, among other main subjects, with the weather, fire and heat, refrigeration, artificial lighting, transportation on land and water and in air, building materials, insects and human health, micro-organisms, and the protection of health. From the boy's point of view, every subject is alive; he thinks it well worth while to know how the mechanisms described work, to understand why the health authorities insist on their various compulsory measures, and he is anxious to perform the experiments suggested because their bearing on everyday problems is clear to him. Moreover, the authors show what excellent pegs are provided by this examination of modern appliances on which to hang easy explanations of underlying principles.

We commend the volume to the careful attention of our science masters, as providing not a ready-made course of instruction suitable for immediate adoption in our schools, but a whole series of hints and suggestions of a helpful nature, which will lighten the task of drawing up a scheme of work in science suitable to form part of the general education of all pupils in secondary schools.

Pioneers of Progress—Joseph Priestley. By D. H. PEACOCK.
(2s. net. S.P.C.K.)

This is a capital book to put in the school chemical library along with the Alembic Club Reprints. It is remarkable what a stimulus the description of the life of a great pioneer affords to the young student, and the pity is that so few simply written and cheap biographies of the great chemists are available. It is to be hoped that the present volume will be followed by similar accounts of the careers of Dalton, Cavendish, Boyle, and, of our own time, Ramsay. The present book rather stresses the theological aspect of Priestley's life, and does not emphasize the purely chemical side, but this is probably correct, seeing that essentially Priestley was a politician and a nonconformist. There is, however, an excellent chapter which describes his work on air and combustion, and emphasizes his genius as an experimenter.

Textbook of Physical Chemistry. By A. T. LINCOLN.
(12s. 6d. net. Harrap.)

Prof. Lincoln's handbook is written for the use of classes beginning the subject of physical chemistry. The order of the work follows the logical development of the subject-matter in that the experimental data are first presented with the statement of the laws, then the explanation of the facts by the formulation of the theory. The limitations are then emphasized by the presentation of experimental data which appear to be abnormal, with the subsequent modification of the theory to explain these divergencies, and in some cases to show that current theory is not in accord with fact. The historical aspect of the subject is excellently handled, so that the student gets a clear idea of the chronological sequence of discovery. The subject-matter is presented with the minimum employment of higher mathematics, and those sections in which the calculus is used are so arranged that their omission does not disturb the order of the discussion. A large number of numerical problems is included. The selection of the chief topics has been so arranged as to include not only those of theoretical importance, but also those which have a technical value. The phase rule, in particular, is discussed in some detail, whilst the various theories of solution are handled critically. Colloid chemistry is dealt with to a greater extent than is common in books of this type, and in view of the far-reaching technical importance of this subject the innovation is amply justified. Some of the more important physical properties, however, might well have received a fuller treatment. Altogether the book is to be heartily recommended.

The July number of *Science Progress* is the first of a new volume. It contains several articles of considerable popular interest, besides the usual reviews of new books and the summaries of recent progress in science which advanced workers find so helpful. Messrs. Jörgensen and Stiles continue their account of the scientific aspects of cold storage in an article dealing especially with the preservation of meat at low temperatures. Dr. Winifred Brenchley's essay on "The Uses of Weeds and Wild Plants" is a timely reminder that many of our despised native plants might be turned to useful practical account, and is worth adding to the botanical reference shelves of schools. Mr. T. J. Hill contributes an article on "The Water Economy of Maritime Plants," which shows that current ideas on the ecology of halophytes need revision. He finds that these plants absorb water of varying salinity much more freely than is generally supposed, and that their succulence is not necessarily bound up with reduced transpiration. On the contrary, their rate of transpiration, especially of crimson plants, is

(Continued on page 638.)

Important Notice

New Editions of PHILIPS' School Atlases, showing all New Boundaries

are now being published. Two of the most important and the most popular are—

PHILIPS' NEW SCHOOL ATLAS

of Comparative Geography 3s. 6d. net.

PHILIPS' MODERN SCHOOL ATLAS

of Comparative Geography 4s. 6d. net.

Copies will be sent for inspection if desired.

JUST PUBLISHED.

Map Reading Made Easy

By Captain C. C. ESSON and G. S. PHILIP, F.R.G.S.

An interesting and lucid explanation of a subject of ever-increasing importance. Map-reading is an ideal subject for schools, as it shows the scholar the *practical application* of other subjects he is learning—Geometry, Arithmetic, Drawing, &c. It is also of great help to a thorough study of Geography.

A feature of the book is the large number of diagrams and maps, which greatly facilitate description and understanding.

Crown 4to, cloth boards, 3s. 6d. net.

Entirely British

PHILIPS' NEW 12-INCH RELIEF GLOBE

A Relief Globe produced entirely in England by British craftsmen is now offered for the first time.

It is a beautiful model of the Earth's surface, and is an indispensable accessory for the study of Physical Geography.

Land areas are modelled in relief and coloured in shades of green and brown according to elevation. Names and directions of the important ocean currents are shown.

Handsomely finished and mounted on black polished stand.

12-inch with tilted pole, £3 10s. net.

„ „ with plain brass

half-meridian, £4 0s. net.

Packing cases extra.

COLOURED PROSPECTUS ON APPLICATION

GEORGE PHILIP & SON, Ltd., The London Geographical Institute,
32 Fleet Street, LONDON, E.C.4.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Paedologist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE),
13 PATERNOSTER ROW, LONDON, E.C.4.

THE "POSITIVE" ORGAN IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.

Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

BOOKS

On Educational, Scientific, Medical, Law, Theological and ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants. Books Bought.

W. & G. FOYLE, Ltd., 131/135 Charing Cross Road, London, W.C.2.

"THE JOURNAL OF EDUCATION AND SCHOOL WORLD,"

MARCH 1919. One Shilling each offered for copies in good condition, to complete urgent orders in hand.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C.2.

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

surprisingly high. Under the title "Some Palæolithic Problems," Mr. Henry Bury reviews our present knowledge of the succession of the industries of palæolithic man and of their relation to the changes that have occurred in river level. Other interesting features of the issue include an essay by Mr. J. C. Gregory on "The Nature of Number," and one by Mr. W. Stiles on "Agricultural Economics in England and Denmark."

SPANISH.

- (1) *Elementary Spanish Grammar*. By SANIN CANO. (4s. 6d. net. Clarendon Press.) (2) *Primeras Lecciones de Español*. By C. M. DORADO. (4s. net. Ginn.)

(1) These two textbooks offer a great contrast in treatment. Señor Cano is too renowned a scholar to command aught but respect for his writings, but in the present instance we are compelled to ask for whom the grammar is intended. The author seems to have ignored present movements in modern language teaching. There are long vocabularies to each exercise, in some cases half the lesson space being devoted to the list of fresh words, but there does not appear to be any logical development of the exercise material. Each lesson is preceded by treatment of grammatical peculiarities, with copious examples, but the exposition is pedestrian and lacking in interest.

(2) Señora Dorado's elementary treatise is a sheer delight. There is abundant evidence that this is the work of a teacher skilled in dealing with younger pupils. The lessons are varied in matter and form—songs, plays, games, and anecdotes giving an added interest. A class which had used this book for a year with an intelligent teacher would have laid a firm foundation for more advanced work in Spanish. The appearance of the book is up to the usual high standard of Messrs. Ginn.

"Oxford Plain Spanish Texts."—(1) *Poesías Varias de Garcilaso de la Vega*. (2) *Eclogas de Garcilaso de la Vega*. (1s. 6d. net each.)

The two latest volumes in this series show evidences of the scholarly taste of the editor, but we doubt whether the "Eclogas" will find an audience among the English students of Spanish. For the more advanced reader the Spanish edition of Navarro Tomás would be more attractive than these two collections. We would ask Prof. Fitzmaurice Kelly to make his choice of volumes more catholic and less academic. There is a definite demand for plain

texts such as these. But we would suggest editions of the dramatists and novelists rather than further volumes of early poets. By the way, why is the spelling of Garcilaso different here from that in the same editor's "Oxford Book of Spanish Verse"?

A Spanish Reader. By H. C. L. BALSHAW. (3s. 6d. Murray.)

This is a collection of extracts from a wide range of authors, but we should prefer longer pieces so as to keep the attention of the student. There are a few notes and a good vocabulary, but it should be pointed out that *a*, *o*, *u* no longer bear written accents.

- (1) *Amalia*. By JOSÉ MÁRMOL. Edited by A. H. CORLEY. With Notes, Vocabulary, &c. (5s. 6d. net. New York: Macmillan.) (2) *Leyendas Históricas Americanas*. Edited by JAMES BARDEN. (4s. net. New York: Macmillan.)

(1) José Mármol was a political opponent of Rosas, one of the most striking figures in South American history at a time when many were achieving fame in that continent. Rosas ruled the Argentine, then only the province of Buenos Aires, for twenty-four years with such severity as to earn for himself the name of "El Tirano." His dictatorship enabled the country to settle down to progress, but it aroused the enmity of his political antagonists. Of these, Mármol was the most able and the most bitter, and *Amalia* is a picture, partisan naturally, of life in Buenos Aires in the thirties of the last century, which portrays Rosas in the blackest possible light.

(2) Frías, the author of the "Leyendas," is a profound believer in the regeneration of Mexico through the native, and to arouse in the Mexican breast a feeling of pride in his country's story, he has gathered from every available source the materials for building up a great work on the history of the Aztec race. These legends are taken from his work, and are full of interest.

Both volumes are furnished with notes, vocabulary, illustration, and exercise material; but we think that the notes are too elementary for the type of student for whom these books are intended. The get-up of the various volumes in these series is very attractive, but the prices are rather high for textbooks of this kind.

"Problems of Subnormality" (by J. E. Wallace Wallin, 15s. net), reviewed on page 490, is published in this country by Messrs. George G. Harrap & Co., Ltd.

From HORACE MARSHALL & SON'S List

The Carmelite Shakespeare.

Coriolanus.	The Merchant of Venice.
Henry V.	Macbeth.
As You Like It.	The Tempest.
Julius Caesar.	

A School Manual of Shakespeare. By C. L. THOMSON.
Price 1s. net each.

Prose Texts for Junior Forms.

Edited by C. L. THOMSON. Price 1s. net each.

The Pilgrim's Progress. Part I.	Legends of Early England.
Gulliver's Travels.	(Chiefly from Freeman's "Old English History.")
Legends of Early Scotland.	Legends of Early Rome. (Chiefly from Arnold's "History of Rome.")
Sir Roger de Coverley.	
Rip Van Winkle and Sleepy Hollow.	The Pilgrim's Progress. Part II.
Lives from Plutarch. (Dryden's Translation.)	Robinson Crusoe.

The New English Reading Books (Illus.).

Book I. Fairy Tales and Poems. Price 1s. 6d. net.
.. II. Nature Myths. Price 1s. 6d. net.
.. III. Stories and Poems of Sea Adventure. Price 1s. 9d. net.
.. IV. Heroic Tales and Poems. Price 2s. net.
.. V. Tales of Empire. Price 2s. net.
.. VI. World Stories. Price 2s. net.

A First History of England.

By C. L. THOMSON, F.R.Hist.S. Illustrated. In 7 Parts.

Part I. B.C. 330-A.D. 1066. 2s. 6d. net.
.. II. 1066-1272. 2s. 6d. net.
.. III. 1272-1485. 2s. 6d. net.
.. IV. 1485-1603. 2s. 6d. net.
.. V. 1603-1689. 2s. 6d. net.
.. VI. 1689-1820. 3s. 6d. net.
.. VII. 1820-1901. 3s. 6d. net.

Carmina Britanniae.

A new collection of Historical Poetry. Edited by C. L. THOMSON. 287 pages. Annotated. Price 2s. 6d. net.

English History in English Poetry.

From the French Revolution to the Death of Queen Victoria. By C. H. FIRTH, M.A., LL.D., Regius Professor of Modern History in the University of Oxford. Price 3s. 6d. net.

A Book of Ballads.

Edited by C. L. THOMSON. 2s. net.

Literary Reading Books.

The Adventures of Ulysses. By CHARLES LAMB. Edited by E. E. SWEIGHT, B.A. Price 1s. 6d. net.
The Adventures of Beowulf. Translated and adapted by C. L. THOMSON. Price 1s. 6d. net.
Stories from Chaucer. Arranged by C. L. THOMSON. Price 2s. net.
Selections from the Morte d'Arthur. Edited by C. L. THOMSON. Price 2s. 6d. net.
Tales from the Faerie Queene. Edited by C. L. THOMSON. Price 2s. 6d. net.

FULL LIST POST FREE ON APPLICATION.

LONDON: TEMPLE HOUSE, and 125 FLEET STREET, E.C.4.



THE ASSOCIATED BOARD

OF THE
ROYAL ACADEMY OF MUSIC AND THE ROYAL COLLEGE OF MUSIC
FOR
LOCAL EXAMINATIONS IN MUSIC.

TELEGRAMS: "ASSOCIA, LONDON."
TELEPHONE: MUSEUM 1710.

CENTRAL OFFICE—
14 & 15 BEDFORD SQUARE, LONDON, W.C. 1

Patron:—

HIS MAJESTY THE KING.

President:—H.R.H. THE PRINCE OF WALES, K.G.

Associated Board:—

ERNEST MATHEWS, Esq., *Chairman*.
SIR ALEXANDER C. MACKENZIE, Mus. Doc., St. And., Cantab. et Edin., LL.D., D.C.L., *Principal of R.A.M.*
PROFESSOR HUGH P. ALLEN, M.A., Mus. Doc., Oxon., *Director of R.C.M.*
OSCAR BERINGER, Esq.,
EATON FANING, Esq., Mus. Doc., Cantab.
FREDERIC KING, Esq.,
CHARLES H. LLOYD, Esq., M.A., Mus. Doc., Oxon.
SAXTON W. A. NOBLE, Esq.,
SIR WALTER PARRATT, C.V.O., M.A., Mus. Doc., Oxon. Cantab. et Dunelm.
H. W. RICHARDS, Esq., Mus. Doc., Dunelm.
PROF. SIR CHARLES V. STANFORD, D.C.L., LL.D., M.A.,
Mus. Doc., Cantab. et Oxon.
S. P. WADDINGTON, Esq.,
H. WESSELY, Esq.

Secretary:—JAMES MUIR, Esq.

Bankers:—BANK OF ENGLAND, WESTERN BRANCH, BURLINGTON GARDENS, LONDON, W. 1.

Examiners to the Board:

Cav^e CARLO ALBANESI.
W. G. ALCOCK, Esq., M.V.O., Mus. Doc., Dunelm.
A. PERCY ALDERSON, Esq., Mus. Doc., Dunelm.
FRANK ARNOLD, Esq.
E. C. BAIRSTOW, Esq., Mus. Doc., Dunelm.
MARMADUKE M. BARTON, Esq.
HENRY BEAUCHAMP, Esq.
GEO. J. BENNETT, Esq., Mus. Doc., Cantab.
ARTHUR C. BENT, Esq.
OSCAR BERINGER, Esq.
G. H. BETJEMANN, Esq.
VICTOR BOOTH, Esq.
A. HERBERT BREWER, Esq., Mus. Doc., Cantuar.
Prof. PERCY C. BUCK, M.A., Mus. Doc., Oxon.
PHILIP CATHIE, Esq.
FREDERIC CLIFFE, Esq.
WADDINGTON COOKE, Esq.
FREDERICK CORDER, Esq.
AMBROSE COVIELLO, Esq.
BENJAMIN J. DALE, Esq.
F. PERCIVAL DRIVER, Esq.
T. F. DUNHILL, Esq.
SPENCER DYKE, Esq.
J. ST. O. DYKES, Esq.
GEORGE DYSON, Esq., Mus. Doc., Oxon.
HENRY J. EDWARDS, Esq., Mus. Doc., Oxon.
F. DE G. ENGLISH, Esq., M.A., Mus. Bac., Oxon.
EATON FANING, Esq., Mus. Doc., Cantab.
WALTER FORD, Esq.
ALFRED GIBSON, Esq.
H. PLUNKET GREENE, Esq.
ARTHUR J. GREENISH, Esq., Mus. Doc., Cantab.
HOWARD HADLEY, Esq.
T. HAIGH, Esq., Mus. Doc., Dunelm.

J. W. G. HATHAWAY, Esq., Mus. Doc., Oxon.
ARTHUR HINTON, Esq.
ALFRED HODDAY, Esq.
EVLYN HOWARD-JONES, Esq.
E. ILES, Esq.
HAYDN INWARDS, Esq.
JOHN IRELAND, Esq.
JOHN IVIMEY, Esq., Mus. Doc., Oxon.
BASIL JOHNSON, Esq., B.A., Oxon.
FREDERICK KEEL, Esq.
FREDERIC KING, Esq.
W. J. KIPPS, Esq.
ERNEST KIVER, Esq.
T. B. KNOTT, Esq.
HERBERT LAKE, Esq.
GEO. LEAKE, Esq., Mus. Bac., Dunelm.
ALGERNON H. LINDO, Esq.
CHARLES H. LLOYD, Esq., M.A., Mus. Doc., Oxon.
JOHN B. McEWEN, Esq., M.A.
G. H. MACKERN, Esq.
CHARLES MACPHERSON, Esq., Mus. Doc.
STEWART MACPHERSON, Esq.
TOBIAS MATTHAY, Esq.
HENRY H. L. MIDDLETON, Esq., Mus. Doc., Dublin.
PERCY H. MILES, Esq.
FREDERICK MOORE, Esq.
SYDNEY H. NICHOLSON, Esq., M.A., Mus. Bac., Oxon.
Sir WALTER PARRATT, C.V.O., M.A., Mus. Doc.,
Oxon., Cantab., et Dunelm.
C. W. PERKINS, Esq.
JOHN POINTER, Esq.
CLAUDE POLLARD, Esq.
LLOYD POWELL, Esq.
DAN PRICE, Esq.

ERNEST READ, Esq.
F. J. READ, Esq., Mus. Doc., Oxon.
CHAS. REDDIE, Esq.
DOUGLAS REDMAN, Esq.
W. H. REED, Esq.
H. W. RICHARDS, Esq., Mus. Doc., Dunelm.
HAROLD SAMUEL, Esq.
F. A. SEWELL, Esq.
HERBERT F. SHARPE, Esq.
F. G. SHINN, Esq., Mus. Doc., Dunelm.
ARTHUR SOMERVILL, Esq., B.A., Mus. Doc., Cantab.
MAURICE SONS, Esq.
C. M. SPURLING, Esq.
W. H. SQUIRE, Esq.
Prof. Sir CHARLES V. STANFORD, D.C.L., LL.D.,
M.A., Mus. Doc., Cantab. et Oxon.
E. T. SWEETING, Esq., Mus. Doc., Oxon.
FELIX SWINSTEAD, Esq.
COLIN TAYLOR, Esq.
W. HENRY THOMAS, Esq.
ARTHUR THOMPSON, Esq.
ALBERT VISETTI, Esq.
S. P. WADDINGTON, Esq.
PERCY WALLER, Esq.
RICHARD H. WALTHAM, Esq.
SEPTIMUS WEBBE, Esq.
H. WESSELY, Esq.
H. DAVAN WETTON, Esq., Mus. Doc., Dunelm.
W. E. WHITEHOUSE, Esq.
CUTHBERT WHITMORE, Esq.
C. LEE WILLIAMS, Esq., Mus. Bac., Oxon.
CHARLES WOOD, Esq., M.A., Mus. Doc., Cantab.
ROWSBY WOOF, Esq.

The Associated Board holds Examinations throughout the United Kingdom, and in the Colonies, in both Theoretical and Practical Music.

The Examinations are as follows:—

- (1) **Local Centre Examinations**, including Intermediate and Advanced Grades, conducted by two Examiners. Theory Examinations are held in March and November at all Centres in Great Britain and Ireland. In Practical Subjects they are held in March-April at all Centres, and in the London district and certain Provincial Centres in November-December as well as in March-April.
Entries for the November-December Examinations close Wednesday, October 15th, 1919.
Full particulars will be found in Syllabus A, which will be sent on application to the Secretary.
- (2) **School Examinations**, including Higher, Lower, Elementary, and Primary Divisions, conducted by one Examiner. Candidates for these Examinations may be entered either by Heads of Schools or by individual Teachers. In the latter case, neither the Teacher nor the Candidate need necessarily be connected with a School.
The School Examinations are held throughout the British Isles at three periods, viz., October-November, March-April, and June-July.
Entries for the October-November Examinations close Wednesday, October 8th, 1919.
Full particulars of the School Examinations, including the **General Inspection of School Music** and the **Class-Singing Examination**, will be found in Syllabus B, which will be sent on application to the Secretary.

These Examinations are of graduated difficulty, so as to provide a complete series of tests from the Primary Division School to the Advanced Grade Local Centre Examination, suited to Candidates of all degrees of proficiency. The subjects for Examination are as follows:—

GRAMMAR OF MUSIC.
RUDIMENTS OF MUSIC.
HARMONY.
COUNTERPOINT.
PIANOFORTE.
ORGAN.
VIOLIN.

VIOLA.
VIOLONCELLO.
DOUBLE BASS.
HARP.
WIND INSTRUMENTS.
SINGING.

The Board offers annually **Six Exhibitions**, tenable for two or three years at the R.A.M. or R.C.M. These Exhibitions are limited to Candidates in the Local Centre Examinations who are under twenty years of age, and who fulfil certain conditions set forth in each Syllabus.

Syllabuses A and B for 1919 or for 1920, Entry Forms, Theory Papers set in previous years, and any further information can be obtained on application to the Secretary, 14 & 15 Bedford Square, London, W.C.1.

TEXT-BOOKS FOR LONDON MATRICULATION

PUBLISHED AT THE

University Tutorial Press.

ELEMENTARY MATHEMATICS.

- Algebra, The School** (*Matriculation Edition*). By A. G. CRACKNELL, M.A., B.Sc., F.C.P. 5s. 6d.
Algebra, The School, Key to Selected Examples in. By F. ROSENBERG, M.A., B.Sc. 2s. 6d.
Arithmetic, The Tutorial. By W. P. WORKMAN, M.A., B.Sc. *Third Edition.* 5s. 6d.
Euclid, Books I-IV. By ROBERT DEAKIN, M.A. With a Preliminary Course of Drawing and Measurement, and Problems in Practical Geometry. *Second Edition.* 3s. 6d.
Geometry, School (*Matriculation Edition*). By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. 4s. 6d.

SCIENCES.

- Botany for Matriculation.** By FRANCIS CAVERS, D.Sc. 7s. 6d. Also in Two Parts. Part I, 4s. 6d.; Part II, 3s. 6d.
Chemistry for Matriculation. By G. H. BAILEY, D.Sc., Ph.D., and H. W. BAUSOR, M.A. 7s. 6d.
Heat, The New Matriculation. Light, The New Matriculation. Sound, The New Matriculation. By R. W. STEWART, D.Sc. Three Volumes, each 3s. 6d.
Hydrostatics, Matriculation. By WM. BRIGGS, LL.D., M.A., B.Sc., F.R.A.S., and G. H. BRYAN, Sc.D., F.R.S. *Second Edition.* 2s. 9d.
Magnetism and Electricity, Matriculation. By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. 5s. 6d.
Mechanics, Matriculation. By WM. BRIGGS, LL.D., M.A., B.Sc., F.R.A.S., and G. H. BRYAN, Sc.D., F.R.S. *Third Edition.* 4s. 6d.

ENGLISH, GEOGRAPHY, AND HISTORY.

- English Course, The Matriculation.** By W. H. LOW, M.A., and JOHN BRIGGS, M.A. *Third Edition.* 4s. 6d.
English Literature from 1579. By A. J. WYATT, M.A. 2s. 9d.
English Prose, An Anthology of. For use in Schools and Colleges. By S. E. GOGGIN, M.A., and A. R. WEEKES, M.A. 3s. 6d.
English Verse, An Anthology of. For Use in Schools and Colleges. With an Introduction and a Glossary. By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. *Second Edition.* 3s. 6d.
Geography, Text-book of. By G. C. FRY, M.Sc. *Second Edition, Revised and Enlarged.* 5s. 6d.
Modern History, Matriculation. 1485-1901. By C. S. FEARENSIDE, M.A. *Second Edition.* With Biographies. 5s. 6d.
Modern History of England. Part II. 1688-1901. By C. S. FEARENSIDE, M.A. 3s. 6d.
Précis-Writing, Text-book of. By T. C. JACKSON, B.A., LL.B., and JOHN BRIGGS, M.A. 3s. 6d.
Social History of England, A. By FREDERICK BRADSHAW, D.Sc., M.A. 5s.

LOGIC.

- Logic, Groundwork of.** By JAMES WELTON, D.Lit., M.A. 4s. 6d.
Logic, Exercises in. By F. C. BARTLETT, M.A., Fellow of St. John's College, Cambridge. 3s. 6d.

FRENCH AND LATIN.

- French Composition, Groundwork of.** By Prof. ERNEST WEEKLEY, M.A. 2s. 9d.
French Course, The Matriculation. By Prof. ERNEST WEEKLEY, M.A. *Third Edition.* 4s. 6d.
French Essays, Matriculation. (*Free Composition.*) By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A. 2s.
French Reader, The Matriculation. By J. A. PERRET. 3s. 6d.
Latin Authors, Matriculation Selections from. By A. F. WATT, M.A., and B. J. HAYES, M.A. *Fourth Edition.* 3s. 6d.
Latin Composition. By A. H. ALLCROFT, M.A., and J. H. HAYDON, M.A. *Sixth Edition.* 3s. 6d.
Latin Construing Book, Matriculation. By A. F. WATT, M.A., and B. J. HAYES, M.A. 2s. 9d.
Latin Course, Matriculation. By B. J. HAYES, M.A., and A. J. F. COLLINS, M.A. 5s. 6d.
Latin Grammar, The Tutorial. By B. J. HAYES, M.A., and W. F. MASON, M.A. *Fourth Edition.* 4s. 6d.

University Tutorial Press, 2d., High Street, New Oxford Street, London, W.C.2.

London: Printed by C. F. HODGSON & SON, Newton St., Kingsway, W.C.2; and Published for the Proprietors by Mr. WILLIAM RICE, 3 Ludgate Broadway E.C.4.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

No. 603.
Vol. 51. [WITH SUPPLEMENT.]

LONDON, OCTOBER 1, 1919.

PRICE 8D.; BY POST, 10D.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

**November 1919 issue ready on Oc-
tober 31. Advertisement scale is on
page 669. The latest time for prepaid
Advertisements is**

OCTOBER 22.

SCHOLARSHIP NOTICES.

See pp. 642, 644, 647, 688, 689.

PHYSICAL TRAINING.

See pp. 643, 646, 647.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and p. 669.

UNIVERSITY TUTORIAL COLLEGE,
See p. 642.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See p. 650.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
NEW PREMISES: 7, 9 & 10 Brunswick Sq., London,
W.C.1.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.

Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.

When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W.1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

TRAINING COURSE FOR TEACHERS OF COMMERCIAL SUBJECTS

The COLLEGE OF PRECEPTORS offers a
Course of Training for teachers of commercial sub-
jects and for those intending to become teachers of
such subjects. The Course includes attendance at
lectures and discussion classes and teaching under
supervision.

Particulars may be obtained from the SECRE-
TARY, College of Preceptors, Bloomsbury Square,
London, W.C.1.

PRELIMINARY EXAMINATIONS FOR MEDICAL, DENTAL, AND PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Ealing, Exeter, Margate,
Plymouth, Portsmouth, Sheffield, Southampton,
Southport, Sunderland, and York. For Regulations,
apply to the SECRETARY, College of Preceptors,
Bloomsbury Square, London, W.C.1.

University Correspondence College.

(Founded in 1887.)

PRINCIPAL: WILLIAM BRIGGS, LL.D.,
D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.

London University Degrees

(Graduates of British Universities and hold-
ers of certain diplomas can register as
matriculated students of London University
without passing the Matriculation Exam-
inations.)

A Short Guide

TO

LONDON UNIVERSITY EXAMINATIONS,

Post Free to Private Students from the

SECRETARY,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Thirty Tutors, Graduates in
very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1919 - 1901

Candidates in various Groups: 905 First
Class; 300 Marks of Distinction. In
June 1918 nine-tenths of our Candidates
succeeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-19 43

(Only two failures.)

Oxford Higher Local, 1903-19 - 178

Candidates in various Sections.

M.D. (Lond.), 1901-19 - 238

(Including 6 Gold Medallists
during 1913-1918.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL

Newly typed and expanded courses for
1919. Valuable Lesson-notes introduced before
each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers). List of
Successes, &c., apply to the PRINCIPAL.

BOOK-KEEPING, ACCOUNTANCY.

Unrivalled Postal Courses.

Fee 5/- monthly, including books. Success guaranteed at
TWO ADVANCED EXAMINATIONS.

Prospectus, Testimonials, Prize Scheme, stamp. PRINCIPAL:

City Correspondence College, 16 Basinghall St., London, E.C.2.

All Persons Interested in Phonetics
 are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).
The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

Teachers Registration Council

Representative of the Teaching Profession
 (Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a

REGISTER OF TEACHERS

is now maintained by the Council.

For information apply to The Secretary,
 Teachers Registration Council,
 47 BEDFORD SQUARE,
 London, W.C.1.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
 Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25, awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY of ST. ANDREWS.**UNIVERSITY HALL
 FOR WOMEN STUDENTS.**

Warden: Miss M. E. DOBSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June.

The Hall has been enlarged to accommodate 64 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

**UNIVERSITY OF LIVERPOOL.
 UNIVERSITY HALL.**

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

HOLIDAYS IN NORTH WALES.

—Sea and mountains, mild climate, beautiful excursions. Golf course near. Comfortable, refined and magnificently situated Guest House in extensive grounds. Produce from own garden. 37s. 6d. per week inclusive. For Prospectus write—MANAGERESS, Bryn Corach, Conway.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—39 to 51 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—Miss C. P. TREMAIN, B.A.

BRIGHTON.

GRAFTON HOUSE, Grafton

Street, Marine Parade (door sea).—Homely board-residence. 10 bedrooms. Bath (h. and c.). Electric light throughout. Good table. Moderate.

DEAN FOREST.

SEVERN WYE VALLEYS;

beautiful Holiday Home (600 feet up); spacious house, grounds; Bath, Billiards, Tennis, Motors, magnificent Scenery. Boarders 42/- to 50/-. Photos, Prospectus.—Littledean House, Littledean, Glos.

DROITWICH.

NORBURY HOUSE.—Entrance

facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and

sunny. "Leafy, Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation," Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Com-

fortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.—The Misses WATSON.

KESWICK.

ENGLISH LAKES.—Guests re-

ceived in country private house. Grounds. Near church, post, telegraph and telephone office. Clubbing, boating, fishing. Lovely scenery. Moderate terms.—Miss SCOTT, Borrowdale Gates, Keswick, Cumberland.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB,

7, 9, and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LEIGH-ON-SEA.

THREE Paying Guests received.

Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—Mrs. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

15 GORDON SQUARE.—By week

or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students, readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

30. 31. &c., UPPER BEDFORD

W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL,

21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 6s. 6d. Bed and Breakfast. "En pension" from 2½ guineas weekly. Telegs.: "Baggage, London." Phone: Museum 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite

British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 7s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.2.

TOWNSEND CLUB, 52 Baker

Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

LONDON, W.2.

LADIES' INTERNATIONAL

CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 22s. 6d. to 30s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

PARIS.

MADAME PLANQUETTE'S

comfortable home in pleasant environs is highly recommended by former guests. Liberal table, quick transit, good French conversation. —4 Rue des Vars, Bois Colombes, Seine, Paris.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence

for young men in nice home; good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronshill Road, East Twickenham, Middlesex.

See also page 644.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.****SCHOLASTIC AGENCY for
JUNIOR FORM AND KINDERCARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**Library for Teachers and Students pre-
paring for the Examinations of the National
Froebel Union.

Particulars may be obtained from—

The Secretary,

4 Bloomsbury Square, W.C.1.

Tel. No.: Museum 615.

THE**BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
DARTFORD HEATH, KENT.****Trustees:**

Sir GEORGE NEWMAN, K.C.B., D.C.L.

The Marchioness of SALISBURY.

The Rt. Hon. CHRISTOPHER ADDISON, M.D., M.P.

The Hon. WALDORF ASTOR, M.P.

The Rt. Hon. Lord SHAW OF DUNFERMLINE, LL.D.

Principal:Miss HILDA WALTON (Oxford Final Honour School,
English Language and Literature).**Vice-Principal:**Miss ALMA WIKNER (Royal Cent. Inst. of Gymnastics,
Stockholm).The College was opened in 1885, and was the first
of its kind in England. Students are prepared as
teachers of Scientific Physical Education on Ling's
Swedish System. The Course includes the study
of Anatomy, Physiology, Theory of Education; the
Theory and Practice of Gymnastics, Massage and
Medical Gymnastics, Dancing and Outdoor Games.
Students practise teaching in schools in the neigh-
bourhood. The College stands in its own ground
of 23 acres.The course begins in **October**. Further par-
ticulars may be obtained on application to the
SECRETARY.**INTERNATIONAL GUILD,
8 RUE DE LA SORBONNE, PARIS,**

under the direction of

Mlle CLANET (agrégée de l'Université),

Mlle ROLLAND (" " " "),

Miss BURT, B.A. (Hons. London),

offers to Students, especially those intending to be
teachers, a sound training in the **French Lan-
guage**. Classes are held inFrench Literature, History and Phonetics,
Grammatical Commentary, Translation and
Lecture Explicue.**Preparation for the**Certificat d'Etudes Françaises of the Sorbonne,
Diplôme d'Etudes Françaises of the Guild.Simpler course for less advanced students. A
speciality is made of exchange lessons and social
intercourse with the students of other nationalities.**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours,
London.Pupils prepared for Matriculation and Intermediate
Examinations of London University. Healthy situ-
ation, good playground and garden. Great attention
given to physical training. Special terms for daughters
of Unitarian Ministers. All inquiries to be addressed
to the HEAD MISTRESS.**TEACHERS FOR SOUTH AFRICA.****QUALIFIED Women Teachers of**
all grades should apply to—THE EDUCATION
SECRETARY, South African Colonization
Society, 23 Army and Navy Mansions, 115 Victoria
Street, S.W.1.**AGENCY ANNOUNCEMENTS will
be found on pages 641-649, 686,
690-698.****PHYSICAL TRAINING COLLEGES
will be found on pages 643, 646,
and 647.****University Tutorial College.**

LONDON.

(Incorporated with University Correspondence
College.)**LONDON MATRICULATION.**Morning, Afternoon, and Evening Classes for the
June Examinations can be taken up at any time at
proportionate fees.Annually for the last twenty years about 100
Students of U.T.C. have passed London Matricu-
lation.**LABORATORY WORK.****PRACTICAL CLASSES**

IN

**CHEMISTRY, PHYSICS,
BOTANY AND ZOOLOGY**

may be taken up at any time.

PRIVATE TUITION.Private tuition may be taken up at any time, either
during Term or in the ordinary School Vacations, in
all subjects for London University and other Exam-
inations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,

UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN, W.C.1.

THE

ASSOCIATED BOARD

OF THE

ROYAL ACADEMY OF MUSIC

AND THE

ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

President: H.R.H. THE PRINCE OF WALES, K.G.

LOCAL CENTRE EXAMINATIONS (Syllabus A)

Examinations in Theory held in March and
November at all Centres. In Practical Subjects in
March-April at all Centres, and in the London
district and certain Provincial Centres in November-
December also. Entries for the November-December
Examinations close Wednesday, October 15th (or,
with extra fee, October 23rd).

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a
year, viz., October-November, March-April, and
June-July. Entries for the October-November Ex-
aminations close Wednesday, October 8th (or, with
extra fee, October 16th).The Board offers annually SIX EXHIBITIONS,
tenable at the R.A.M. or R.C.M., for two or three
years.Theory papers set in past years (Local Centre or
School), price 6d. per set, per year.Syllabuses A and B for 1919 or 1920, Entry Forms,
and any further information, will be sent post free on
application to—JAMES MUIR, Secretary,14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA, LONDON."**SPECIAL CORRESPONDENCE COURSES.**

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments,
Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. Exams., 1910-19 **169** Correspondence
Students successful.Mr. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R.C.M.,
c/o Forsyth Bros., Deansgate, Manchester.**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.**President: **SIR FRANK BENSON,**

Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.,**

Royal Albert Hall, Kensington Gore, S.W.7.

COURSES OF DRAMATIC

AND

TECHNICAL TRAINING,

VOICE TRAINING,

ENGLISH PHONETICS,

CURE OF SPEECH

DEFECTS,

RECITATION,

PUBLIC SPEAKING.

Complete Training Course for Teachers,

Preparation for the L.R.A.M. Diploma.

Schools visited and inspected.

ASSOCIATION OF TEACHERS

OF

SPEECH TRAINING.Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.**President:**Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, South Ken-
sington, S.W.7.**Secretary:**Miss WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.Trained resident or visiting teachers sent to
any part of England. Assistants also under-
take residential treatment of delayed speech,
stammering, or other difficulties. Physical
exercises for chest development, breath
control, or defective articulation given by
trained teachers. Advice on speech training
given. Transference of connexions under-
taken.A leaflet containing all principal Tone
and Articulation Exercises, together
with "Examples" for the practice of
each vowel sound, may now be obtained.
Price 2d. each, or, to Members of the
Association, 1½d. each. Postage extra.
Apply—Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 641-648, 664, 669, 681, 684, 687; [Halls of Residence] 642, 644;
[Physical Training] 643, 646, 647; [Scholarships] 642, 644, 647, 688, 689.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W. 2.

TRAINING COLLEGE

(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANE HUBBARD, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes;
Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union. Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools. Diploma Students attend University Lectures. Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON).

CAMPDEN HILL ROAD, W. 8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

BIRKBECK COLLEGE

BREMS BUILDINGS, CHANCERY LANE, E.C. 4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING) FOR DEGREES IN

ARTS AND SCIENCE,

under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Law.

GEOGRAPHY DIPLOMA AND MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

Lectures on the History of London, Fridays, 5.30.

SESSIONAL FEES { Day: Arts, £10.10s.; Science, £17.10s.
Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.).

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION.

In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salisbury Road, Brondesbury, London, N.W. 6.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A. (Late Lecturer in Education, Manchester University).

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 66 Guineas.

A shortened Emergency Course has been arranged.

Scholarships of £50 are awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 are awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

Principal: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

The term began on September 20th.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council:

The Rev. Canon TEMPLE, D.Lit.

Principal: Miss B. S. PHILLIPOTS, Litt.D., O.B.E.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident £120 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination to be held April 26th-29th, 1920. Applications for entrance should be sent in before April 12th.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W. 3.

ST. GEORGE'S TRAINING COLLEGE

(Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scotch Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

Girls' Public Day School Trust, Limited.

CLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, CLAPHAM COMMON, S.W. 4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.
2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.
3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.
4. TRAINING DEPARTMENT for Teachers of Housecraft. Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

MEDICAL

PRELIMINARY EXAMINATIONS

THE

University Examination Postal Institution

provides postal courses for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes.

Oral lessons are also given, privately or in class. Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C. 1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W. 1.

EXAMINATIONS for Teachers'

Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

TRAINING COLLEGES and Technical Schools.

See also pages 641-648, 664, 669, 681, 684, 687; [Halls of Residence] 642, 644;
[Physical Training] 643, 646, 647; [Scholarships] 642, 644, 647, 688, 689.

BEDFORD COLLEGE FOR WOMEN, (University of London), REGENT STREET, N.W.1.

A COURSE OF TRAINING IN SOCIAL WORK.
Recognized by the Board of Education as a training for Health Visitors.

For particulars about this course apply to the Director, Mrs. REID, Natural Science Tripos, Cantab.

UNIVERSITY OF BIRMINGHAM.

Faculties:—

SCIENCE, ARTS, MEDICINE, COMMERCE.

SPECIAL SCHOOLS OF LANGUAGES.

DEPARTMENT FOR TRAINING OF TEACHERS.

Schools of—

ENGINEERING, MINING, METALLURGY, BREWING, DENTISTRY, SOCIAL STUDY.

Leading to Degrees and Diplomas.

THE SESSION 1919-20 COMMENCES OCTOBER 7TH, 1919.
ALL COURSES AND DEGREES ARE OPEN TO BOTH MEN AND WOMEN STUDENTS.

In the Medical School Courses of Instruction are arranged to meet the requirements of other Universities and Licensing Bodies.

Graduates, or persons who have passed Degree Examinations of other Universities, may, after one year's study or research, take a Master's Degree.

Separate Syllabuses with full information as to Lecture and Laboratory Courses, Fees, Regulations for Degrees, Diplomas, &c., Exhibitions and Scholarships, are published as follows:—

1. Faculty of Science.
2. Faculty of Arts.
3. Faculty of Medicine.
4. Faculty of Commerce.
5. Department of Social Study.
6. Department of the Biology and Chemistry of Fermentation.
7. Exhibitions, Scholarships, &c.,

and will be sent on application to the undersigned.

GEO. H. MORLEY, Secretary.

BEDFORD KINDERCARTEN CO., LIMITED, AND TRAINING COLLEGE, 14 The Crescent.

Council:

THE BISHOP OF BIRMINGHAM;
C. W. KAYE, Esq., M.A., late Head Master
Bedford Modern School.

Principal: Miss AMY WALMSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence for Students—Shenstone Lodge, Osborne House, and Magdala House.
Branch School—Froebel House, Goldington Avenue.

For terms and particulars apply to—
The Secretary, ALEXANDER MORRISON, 26 Hill St., Bedford.

THE ENGLISH FOLK DANCE SOCIETY.

Honorary Director: CECIL J. SHARP.

CLASSES in FOLK DANCING

will be held at REEVE HALL, 76 East Street (near Baker St. Station), during the Christmas Term, from October 6th to December 13th, on Mondays 6-9 p.m., Wednesdays 7.30-9.30, Fridays 6-9.30, and on Saturday mornings 10.30-12.30. Certificates in Folk Dancing are granted by the Society.

For further particulars apply to the SECRETARY, 73 Avenue Chambers, Vernon Place, Bloomsbury, London, W.C.1.

BEDFORD COLLEGE FOR WOMEN (University of London), REGENT'S PARK, N.W.1.

SECONDARY TRAINING DEPARTMENT.

Recognized as a Training College by the Board of Education, the University of London, and the Cambridge Syndicate.

For particulars of Scholarships and Bursaries apply to the Head of the Department, Miss S. MELHUSH, Final Hist. Hons. Oxon.; M.A. Vict.; London Diploma in Pedagogy (University Reader in Education).

MANCHESTER MUNICIPAL. COLLEGE OF TECHNOLOGY (UNIVERSITY OF MANCHESTER)

Principal: J. C. M. GARNETT, C.B.E., M.A. (late Fellow, Trinity Coll., Cam.).

The Session 1919-1920 will open on 8th October. Matriculation and Entrance Examinations will be held in July and September.

DEGREE COURSES in TECHNOLOGY

The Prospectus gives particulars of the courses leading to the Manchester University degrees (B.Sc. Tech. and M.Sc. Tech.) in the Faculty of Technology, in the following Departments:

MECHANICAL ENGINEERING (Prof. G. G. Stoney, F.R.S.),
ELECTRICAL ENGINEERING (Prof. Miles Walker, D.Sc.),
SANITARY and Municipal Engineering,
THE CHEMICAL INDUSTRIES (Prof. F. L. Pyman, D.Sc.), including General Chemical Technology, Bleaching, Dyeing and Dyestuff Manufacture, Printing, Papermaking, Fermentation Industries, Metallurgy, Fuels,
TEXTILE INDUSTRIES (Prof. A. J. Turner, B.A., B.Sc.),
PHOTOGRAPHIC TECHNOLOGY,
ARCHITECTURE, PRINTING, MINING.

ADVANCED STUDY AND RESEARCH

The College possesses extensive laboratories and workshops, equipped with full-sized modern apparatus, including machines specially constructed for demonstration and original research.

PROSPECTUSES OF UNIVERSITY COURSES OR OF PART-TIME COURSES SENT FREE ON APPLICATION.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS, 23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams: "Eurhythm, London." Telephone: Museum 2294.

In the Teachers' Training Course the School year begins October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

DALCROZE EURHYTHMICS:

Classes to suit the convenience of Teachers are held in the LONDON DISTRICT, and in BATH, BINGLEY, BIRMINGHAM, BRIGHTON, BRISTOL, BIRKENHEAD, CAMBRIDGE, CHATHAM, EDINBURGH, GLASTONBURY, HARROGATE, KETTERING, LEEDS, LIVERPOOL, MANCHESTER, NEWCASTLE-ON-TYNE, NORTHAMPTON, OLDHAM, OXFORD, PORTSMOUTH, READING, SHEFFIELD, STOCKPORT, SOUTHAMPTON, SOUTHEAST-ON-SEA, TUNBRIDGE WELLS, and YORK.

Details on application to:—

THE DALCROZE SCHOOL OF EURHYTHMICS, Ltd.,
23 Store Street, London, W.C.1.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARTH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

Institut Français du Royaume Uni

(UNIVERSITÉ DE LILLE).

MARBLE ARCH HOUSE, MARBLE ARCH, W.1

AFTERNOON LECTURES in French on French Music, Literature Theatre, etc.

CLASSES for the preparation of the French BACCALAUREAT examination and the CERTIFICATE IN FRENCH of the University of London.

These classes, given by French University graduates, are especially useful to students and teachers who are unable to go abroad at the present time.

MATINEES CLASSIQUES, scenes from French classics given by French actors for the benefit of schools, specially those taking French in the Cambridge Higher Local or the Post-Matriculation course. For particulars apply to the SECRETARY.

SPEECH TRAINING SCHOOL, NON-RESIDENTIAL 8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

GUILD OF EDUCATION AS NATIONAL SERVICE.

HALSEY TRAINING COLLEGE

(Recognized by the Board of Education)

FOR

Rural and Urban Day Continuation Work.

PREPARATION for work in DAY CONTINUATION SCHOOLS for Factory and Town Workers at Canning Town, E., where there are Voluntary Continuation Classes at the Hostel.

Preparation for work in similar schools for Rural and Farm Workers at Kenton, near Harrow. Hostel, Clubs, and Instructional Market Garden Farm.

Board of Education Grants available for Graduates, for Certificated Teachers (men and women), and for Training and Maintenance given to demobilized men. Apply—Org. Sec., Guild of Ed. as Nat. Service, 11 Tavistock Square, W.C.1.

MRS. CURWEN'S PIANO- FORTE METHOD. ALSO EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

New TRAINING CLASSES for MUSIC TEACHERS, held weekly, began on Sept. 24 and 27 at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

TRAINING COLLEGES and Technical Schools.

See also pages 641-648, 664, 669, 681, 684, 687; [Halls of Residence] 642, 644;
[Physical Training] 643, 646, 647; [Scholarships] 642, 644, 647, 688, 689.

Northern Counties Training School of Cookery and Household Economy, NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
**COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY**

School year began in September.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S.

A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

NORTH OF ENGLAND.

THE CALDER GIRLS' SCHOOL, Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound educa-
tion to Girls on Public School lines.

One of the five houses is set apart
for Juniors under 14 years of age.

Well equipped classrooms, laboratory,
gymnasium, and good playing field.

Illustrated Prospectus on application to
the Head Mistress.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals { Miss C. CRACKNELL, late of Swanley
Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Train-
ing in Gardening: Fruit, Vegetables, and
Flower Growing; Glasshouse and Frame Work.
Course of two years; also Shorter Courses. Poultry
(extensive and intensive); Milking; Butter-making;
Bee-keeping. Preparation for R.H.S. Particularly
successful with young students.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management,
Cooking.

Extensive grounds; Royal Horticultural
Society's Exam. Comfortable home life;
games. For prospectus apply—Miss COR-
NELIUS WHEELER, N.D., Hort., F.R.H.S.

School removed from Hampshire after
being established 15 years.

L.R.A.M. and A.R.C.M. Teaching
Singing Exams. Special Correspondence
Course and personal tuition. Complete preparation.
Pupil writes: "Your Course is excellent, and my
singing work has greatly improved, thanks to your
tuition.—A. F."—Mr. W. LEE WEBSTER, L.R.A.M.,
A.R.C.M. (Teaching Singing), 22 Lucknow Avenue,
Nottingham.

Physical Training.

See also pages 643 and 647.

PORTLAND ROAD GYM-
NASIUM, London, W.—Students thoroughly
trained for Public Examinations. Duration of Course,
2 to 3 years. All branches of Physical Work. English
and Swedish Gymnastics, Hygienic Exercises,
Dancing, and Remedial Work.—Miss TOLLEMACHE,
Member and Examiner of the British College of
Physical Education, M.G.T.I., Kyson, Highcroft
Gardens, Golder's Green, N.W.4.

BEDFORD COLLEGE OF DANCING AND PHYSICAL CULTURE.

The Crescent Studios, 4a The Crescent, Bedford.

MISS MILDRED BULT receives
resident and non-resident students to train
for the profession. A thorough training in Technique
in all branches of Dancing and in Class Teaching
given.

The course includes **Drill, Gymnastics,
Fencing, and Voice Production.** Students
live in the Principal's pleasant private house and
have every home care and comfort. For Prospectus
apply—Miss BULT.

PHYSICAL TRAINING COLLEGE, QUEEN ALEXANDRA'S HOUSE GYMNASIUM, KENSINGTON GORE, S.W.7.

EDUCATED GIRLS TRAINED as TEACHERS
of Drill, Gymnastics, Games, Dancing, Fencing,
Swimming, Massage, and Remedial Exercises. A
four terms' course in Massage only can be taken
separately. Apply for prospectus to The Misses
BEAR, Principals.

COACHING, CORRESPONDENCE LESSONS, &c.

MISS M. MURDOCH, L.L.A.,
Coaches by Correspondence in French,
History, English Language, and Literature, and
Comparative Religion for Cambridge and Oxford
Locals and other examinations.—The Rectory, Little
Stukeley, Huntingdon.

MADemoiselle MARIE
POUJAUD will be very pleased to give
CORRESPONDENCE LESSONS in FRENCH, or
to correct letters written to her. Eight letters £1.
Address—Villa de la Source, Tillières sur Avre
(Eure), France. Reference: Miss INGHAM, Moira
House, Eastbourne.

MISS AGNES NIGHTINGALE,
Geography Cert. London School of Eco-
nomics, and author of "Visual Geography," "Visual
Botany," &c., visits Schools for Geography, Botany,
and elementary Science. Preparation for examina-
tions.—89A Cambridge Gardens, London, W.10.

COACHING by Correspondence
in Latin and Greek for University and
Scholarship examinations. Prose versions for the
use of teachers.—Miss WISHART, M.A., Church-
stanton, Honiton.

MISS MASOM, B.A. Honours,
Registered Teacher, prepares for Matricu-
lation, Oxford and Cambridge Locals, Responsions,
&c. in Mathematics and other subjects. Greek for
Responsions. Schools or privately. At Richmond
twice weekly. Successful experience. Highest testi-
monials.—207 Adelaide Road, Hampstead, N.W.3.

MISS BESSIE FURZE,
A.R.C.M. (Performer and Teacher), VISITS
SCHOOLS. Solo and Class SINGING, Voice Pro-
duction, LAMPERTI Method (ADULTS). Diplômée
Royal Academy of Music, to train CHILDREN'S
VOICES (Solo and Class) BATES method. CHOIR
Boys trained. Success in all examinations.—
6 Mount Park Crescent, Ealing, W.5.

INVALID Schoolmaster, B.Sc.
(Econ.), L.C.P., is prepared to give COACH-
ING BY CORRESPONDENCE in English, French,
Classics, History, &c. for Matriculation, Locals, or
other Examinations. Fifteen years' experience.
Particulars and testimonials from ERNEST F. ROW,
Hazeldeane, Midhurst, Sussex.

School Wanted.

WANTED TO PURCHASE, a high-
class GIRLS' SCHOOL, South Coast or
Home County preferred, by a lady who can bring
about 20 pupils at high fees. Or an AMALGAMA-
TION with such a school entertained. Address—
No. 10,908.*

For Sale.

SCHOOL FURNITURE.—Louise
Desks, 30/-; Teachers' Desks, 45/-. Other
school furniture, all in good condition, for sale at end
of present term. Address—No. 10,904.*

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4."
Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).
FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GORRE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d.; Music to Dances, 9d. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION FOR WOMEN.

(SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Apply for Prospectus to Miss DORETTE WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENÉ M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE,

WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming, Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

TRAINING STRICTLY SWEDISH. PUBLIC EXAMINATIONS. SCHOLARSHIPS AWARDED.

OPEN-AIR GYMNASIUM. SPORTS GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC,
REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASTIC TEACHERS.

See advertisement on page 643.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W. 11. Tel.: PARK 3945.

PHYSICAL TRAINING COLLEGE,

LOWER REDLAND ROAD,
BRISTOL.

TRAINING in Swedish and

British Gymnastics for public examination. Tennis, Hockey, Cricket under a County player. Swimming, Massage and Remedial Gymnastics under a certificated Masseuse. Anatomy, Physiology, Hygiene.

Dancing, Ballroom and Ballet, Dalcroze Eurhythmics.

Students prepared for the advanced certificate of The English Folk Dance Society.

Residential fees on application to—The Misses JENNINGS, HOLBROW, and COLSON.

For other Physical Training Advertisements see pages 643 and 646.

JOINT SCHOLASTIC AGENCY, LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. *There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.*

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO,

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).

Office Hours: 9.30 a.m. to 5 p.m.

Saturdays: 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m. Appointments should be made when possible.

Telephone: Museum 3247. Telegrams: "Educatorio Grenville London."

Continental Schools

COLLÈGE DE CANNES,
FRANCE (High School for Boys). Fine building; every comfort. Private rooms. Special arrangement for foreigners wishing to speak French fluently. £21. 8s. a term.

DANS très bel immeuble, bien organisé, très bien situé, on reçoit Jeunes Filles pour achever éducation française. Cours faits par Professeurs de l'Etat; régime choisi. Ville située sur grand ligne, Paris-Bordeaux, proximité Royan et plages océan Côte d'Argent. S'adresser pour tous renseignements à Madame LA DIRECTRICE DE L'ÉCOLE PRIMAIRE SUPÉRIEURE DE JEUNES FILLES DE PONS (Charente Inférieure), France.

The Froebel Society & Junior Schools Association.**Autumn Term, 1919.**

Tuesday, Oct. 7th, at 5.30 p.m., College of Preceptors' Hall, Bloomsbury Square. "Artistic Expression." Lecturer: Miss Von Wyss. Chairman: Miss WALMSLEY.

Tuesday, Nov. 4th, at 5.30 p.m., The High School, South Side, Clapham Common, S.W. "Nursery Rhymes, with Musical Illustrations." Lecturer: G. SHAW, Esq. Chairman: J. E. BORLAND, Esq.

Tuesday, Dec. 2nd, at 5.30 p.m., College of Preceptors' Hall, Bloomsbury Square. "Literature." Lecturer: KENNETH RICHMOND, Esq. Chairman: Miss KYLE.

Tickets, 1/- each lecture, can be obtained from the SECRETARY, 4 Bloomsbury Square, W.C.1.

LECTURES ON ART. Single or in Series. London and the provincial capitals. For prospectus and terms address—Miss A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

EDUCATED GIRLS thoroughly trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—Miss IRONSIDE, Training Bureau, 50 Lincoln's Inn Fields, W.C.2.

Speech Training and Elocution.

MISS LAURA SMITHSON,
L.R.A.M. Elocution A., Director of Stratford-on-Avon Shakespeare Festival Summer School of Education. Recommended by Sir Frank Benson, Miss Lilian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W.8. North Country towns, including Newcastle-on-Tyne (Conservatoire of Music) visited weekly by Miss IVY SMITHSON.

BURLINGTON CORRESPONDENCE COLLEGE.

Principal: Mr. J. CHARLESTON, B.A.
(Honours Oxon. and Lond.).

TUTORS.—The Staff includes Graduates of London, Oxford, Cambridge, and other Universities.

METHOD.—Thoroughly individual system, which ensures the closest attention to the needs of each student.

Rapid preparation for:—

Matriculation,
Intermediate Arts and B.A.,
Intermediate Science and B.Sc. (Theoretical Subjects only),
L.L.A. (St. Andrews),
College of Preceptors' Diplomas.

SINGLE subjects may be taken if desired.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

GEORGE GILL & SONS, Ltd.

LONDON and the Home Counties. By G. R. GILL, F.R.G.S. Price 6d.

This is a photographic reproduction 10"×13" of a Relief Map. The scale is $4\frac{1}{2}$ miles to the inch. Names of towns and villages are clearly marked, without detracting from the beauty of the Map. The roads, parks, and open spaces are printed in distinctive colours. By the aid of this map a perfect knowledge of the Metropolis and Home Counties may be obtained. A study of the contours clearly shows where the beauty spots near London may be found.

THE SCHOOL EXAMINATION SERIES.**Preparation Papers on St. Matthew.**

In packet form, loose 1 0

Preparation Papers on St. Mark.

In packet form, loose 1 0

Preparation Papers on St. Luke.

In packet form, loose 1 0

Preparation Papers on the Acts of the Apostles.

In packet form, loose 1 0

Preparation Papers on the Second Book of Kings.

In packet form, loose 0 6

7000 Graduated Spelling Words.

Arranged in a series of Lessons 0 3

Grammar Notes. By CHARLES LOCKE.

A useful and concise summary of the facts usually emphasized by the Lecturer upon the Blackboard 0 6

A READER FOR THE LOWER FORMS.**A First School History of England.** By WINIFRED

RADCLIFFE. This is a History of England from the earliest times to the death of Queen Anne. The Author has here adopted a fascinating and interesting method in relating the story of England's history to young children, which, no doubt, will induce in them a desire for a further study of the subject. The book consists of seventy-two stories told day by day, each dealing with some definite period or some particular event, e.g., *Henry VII, the Battle of Crécy, the Bill of Rights, &c.* ... 1 6

The Student's Word Book.

A comprehensive and classified arrangement which excites the curiosity and creates a live interest in the subject 0 6

The History and Derivation of the English Language. By R. H. ALLPRESS, M.A. 0 4½

CATALOGUE AND SPECIMEN PAGES POST FREE UPON APPLICATION.

London: GEORGE GILL & SONS, Ltd., 13 Warwick Lane, E.C.4.

SCHOLASTIC APPOINTMENTS

University men and women seeking scholastic appointments should apply to

Truman & Knightley SCHOLASTIC AGENTS LTD

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions are pleasant, and the holidays long. Salaries range from £60 to £120 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student, Junior Mistresses, and House Governesses or Duty Mistresses at salaries of from £30. to £60 per annum with board and residence.

There is a separate department for
LADY MATRONS and HOUSEKEEPERS
for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

CLASS BOOKS FOR SECONDARY SCHOOLS.

PUBLISHED AT THE

University Tutorial Press.

SCIENCE.

- Botany, Junior.** By FRANCIS CAVERS, D.Sc. 3s. 6d.
"A very excellent volume. Practical to a high degree. The diagrams are very good."—*Schoolmaster*.
- Botany, Senior.** By FRANCIS CAVERS, D.Sc. 5s. 6d.
"Admirably designed to portray the plant as a living entity, to indicate how structure is subservient to function, and to show what conditions and purpose underlie the manifold variations which plants assume."—*Nature*.
- Chemistry, Junior.** By R. H. ADIE, M.A., B.Sc. Second Edition. 3s. 6d.
"The book offers a thoroughly sound course of practical instruction."—*Nature*.
- Chemistry, Senior.** By G. H. BAILEY, D.Sc., Ph.D., and H. W. BAUSOR, M.A. Second Edition. 5s. 6d.
"The ground is well covered on experimental lines."—*Guardian*.
- Chemistry, Senior Practical.** By H. W. BAUSOR, M.A. 3s. 6d. Including preparations, experiments on action of heat, quantitative and qualitative analysis.
- Heat, Junior.** By JOHN SATTERLY, D.Sc., M.A. 2s. 9d.
"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal*.
- Magnetism and Electricity, Junior.** By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. 3s. 6d.
"Makes a special point of fundamental principles, and is especially adapted to the needs of pupils making a start in the subject."—*Educational Times*.
- Magnetism and Electricity, The School.** By R. H. JUDE, D.Sc., M.A. 4s. 6d.
"From first to last there is an originality of treatment which makes it interesting reading."—*Nature*.
- Science, Junior Experimental.** By W. M. HOOTON, M.A., M.Sc., F.I.C. Chemistry Master at Repton School. 3s. 6d.
"We can recommend the work heartily."—*Secondary Education*.

ENGLISH AND FRENCH.

- English Composition, Junior.** By E. W. EDMUNDS, M.A., B.Sc., Senior Assistant Master at Luton Modern School. 2s.
"This excellent manual makes plain for the young pupil the essentials of good writing. Can be heartily recommended."—*Education*.
- English Composition, Senior Course of.** By E. W. EDMUNDS, M.A., B.Sc. Second Edition. 3s. 6d.
"A very useful book for practical classroom purposes."—*Schoolmaster*.
- English Grammar, Junior.** With Parsing and Analysis. By A. M. WALMSLEY, M.A. Second Edition. 2s.
"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association*.
- English Verse, An Anthology of** (for Use in Schools and Colleges). By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. Second Edition, Revised and Enlarged. 3s. 6d.
"The selections are admirably fitted for the purpose of presenting the course of English verse through the centuries."—*Literary World*.
- French Course, New Junior.** By G. A. ROBERTS, M.A., Head Master, Russell Hill School, Purley. 3s. 6d.
"The book becomes a serious rival to those existing."—*Schoolmaster*.
- French Course, Senior.** By Professor WEEKLEY, M.A., and CLAUDE GILLI, B.A. 4s. 6d.
"A model of clearness and simplicity."—*The Journal of Education*.
- French Essays, Matriculation.** (Free Composition.) By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A. 2s.
"A servicable and well-graded book."—*School World*.
- French Reader, New Junior.** By J. P. R. MARICHAL, L. ès L., and L. J. GARDINER, M.A. 2s. 9d.
"Consists of well-chosen literary extracts in French."—*Education*.
- French Reader, Senior.** With Introduction, Notes, and Vocabulary. By R. F. JAMES, B.A. 3s. 6d.
"This is a splendid reader."—*Schoolmaster*.

MATHEMATICS.

- Arithmetic, The Junior.** By R. H. CHOPE, B.A. With or without Answers. Third Edition. 3s. 6d.
"No better arithmetic for school work has come into our hands."—*Educational News*.
- Arithmetic, The School.** By W. P. WORKMAN, M.A., B.Sc. With or without Answers. Second Edition. 4s. 6d.
"The best arithmetic for schools on the market."—*Mathematical Gazette*.
- Algebra, Junior.** By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. 3s. 6d. With Answers. 4s.
"Maintains a high standard of excellence we are accustomed to expect from so well known a source."—*Journal of the Assistant Masters' Association*.
- Algebra, School (Matriculation Edition).** By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. 5s. 6d.
"As a school text-book this volume has much to recommend it, the examples and test-papers being carefully chosen."—*Mathematical Gazette*.
- Geometry, Preliminary.** By F. ROSENBERG, M.A., B.Sc. With or without Answers. 2s. 9d.
"The author's object is, by blending practical and theoretical work at the outset, to avoid the unattractiveness of the purely theoretical text-book and the tendency to loose reasoning of the practical manual."—*Journal of Education*.
- Geometry, Junior.** By A. G. CRACKNELL, M.A., B.Sc. 3s. 6d.
"A simple treatment of the elements of Geometry."—*Schoolmaster*.
- Geometry, The School.** By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. 5s.
"Combines the theoretical and practical in a most interesting manner, and shows on every page the skill and care with which the material has been put together."—*School World*.
- Mechanics, Junior.** By F. ROSENBERG, M.A., B.Sc. 3s. 6d.
"The book possesses all the good qualities of its fellows."—*Schoolmaster*.

HISTORY AND GEOGRAPHY.

- Geography, Preliminary.** By E. G. HODGKINSON, B.A., F.R.G.S., Assistant Master, Crewe County School. 2s.
"An admirable text-book, clear, direct, and well suited to the needs of pupils for whom it is intended."—*Literary World*.
- Geography, Junior.** By G. C. FRY, M.Sc. 3s. 6d.
"A concise book of geography on modern lines. The diagrams are bold and convey definite visual instruction directly illustrating the text."—*Education*.
- Geography, Text-book of.** By G. C. FRY, M.Sc. Second Edition, Revised and Enlarged. 5s. 6d.
"The compilation is by no means one of mere geographical facts; the 'why' and the 'wherefore' are everywhere in evidence."—*Schoolmaster*.
- History of England, Preliminary.** By M. K. ELLIOTT, Honours in the Historical Tripos, Cambridge, and M. S. ELLIOTT, M.A. With Illustrations. 2s. 9d.
"In addition to an outline of political events it tries to give some idea of social and constitutional development and also to connect history with geography. It is clearly written and well illustrated."—*School World*.
- History of England, School.** By M. E. CARTER, Honour School of Modern History, Oxford. 4s. 6d.
"The essential outlines of the subject are presented in the most easily digestible form."—*Guardian*.
- English History, Groundwork of.** By M. E. CARTER, Honour School of Modern History, Oxford. 2s. 9d.
"A very readable outline of the salient facts of English History. The material is well arranged and the language is simple."—*Educational News*.
- Social History of England, A.** By FREDERICK BRADSHAW, D.Sc., M.A. 5s.
"A book of high authority and serviceableness."—*The Journal of Education*.
- Government of the United Kingdom, its Colonies and Dependencies.** By A. E. HOGAN, LL.D., B.A. Third Edition, Revised and Enlarged. 3s. 6d.
"An elementary account of the British Constitution suitable for upper schools. The account of the present-day institutions of the British Empire is good and clear."—*School World*.

Complete Educational Catalogue, and Catalogue of Class Books for the Oxford and Cambridge Locals, the Higher School Certificate, and London University Matriculation Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

CONTENTS.

	PAGE
OCCASIONAL NOTES	651
HEALTH OF LONDON SCHOOL CHILDREN	654
PERSONAL PARAGRAPHS	654
TOPICS AND EVENTS	655
CORRESPONDENCE	658
BOOKS OF THE MONTH	660
PRIZE COMPETITIONS	664
PRELIMINARY EDUCATION OF MEDICAL STUDENTS. BY C. E. L. LIVESSEY	669
EDUCATION AT THE BRITISH ASSOCIATION	671
FOREIGN AND DOMINION NOTES	673
UNIVERSITIES AND SCHOOLS	678
REVIEWS AND MINOR NOTICES	699
Advance in Co-education (Woods); The Principles of Mental Hygiene (White); The Story of English Public Health (Morris); Infant and Young Child Welfare (Sourfield); The Care of the Nose and Throat (Stuart-Low); Diseases of the Ear in School Children (Love); Simple Beginnings in the Training of Mentally Defective Children (Meadowall); &c.	
PRIMARY SCHOOL NOTES	708

OCCASIONAL NOTES.

ENGLISH teachers are at present enjoying the rare privilege of literally sitting at the feet of one who has already won her place in the line of the great educational reformers, and many are wondering why it is that Dr. Montessori has won her laurels so rapidly. It is not because there is anything strikingly new in her doctrine. Whoever cares to read Dr. Boyd's "From Locke to Montessori" will be satisfied on that point. Nor is it merely the dramatic demand for perfect freedom for the pupil—a demand, by the way, that Dr. Montessori does not make. Tolstoy's anarchic school had a far better claim to whatever advertisement belongs to complete freedom from restraint than had the "Children's Houses," where personal liberty had always the wholesome curb of having to observe the rights of others. It is probable that one of the prime causes of Dr. Montessori's early recognition by the public is the fact that she is a doctor of medicine and approached her subject from the scientific point of view. It is curious how willing the ordinary lay person is to recognize a "doctor's" opinion as of more value, even in education, than that of an ordinary teacher. Experts in education who are doing their best to conduct their studies on scientific principles are sometimes surprised at the continually repeated statements of Dr. Montessori that her system is based on science, as if the work of her fellow educational experts were based upon something else. All the same, it has to be admitted that she has appealed to the public imagination in a way that the scientific-laboratory educationists have not. In this result the personality of the woman counts for much. Her triumph is to a considerable extent a personal one.

THOSE who have the interests of education at heart will not grudge this triumph. If the public will not listen to those of us who are doing the actual work of education, we ought to rejoice in the success of one who, for whatever reason, is able to catch the ear of the public and to spread sound educational doctrine. We have to remember that Dr. Montessori has all the advantages of an outsider and sees defects that may escape us who are in the arena. In her preference of the term "directress" to that of "teacher" she shows that she has hit upon the important truth that in our schools we lay much too great emphasis on mere teaching. This has escaped the rank and file of our teachers, but has been clearly seen by our leaders. Dr. Sophie Bryant, for example, preached this doctrine before Montessorianism was heard of. On the vexed question of the apparatus of the new system, perhaps the less said the better. It is a source of weakness rather than of strength. One of the most striking results of the historical study of methods is the discovery of the fact that their decay is generally due to the development of rigidity, and that this rigidity generally sets in along the line of apparatus. It is already suggested that one of the main advantages of Dr. Montessori's presence among us is the opportunity she will have of correcting errors that may have crept into Montessorian schools. Here we have the beginnings of rigidity, and we earnestly hope that Dr. Montessori will realize that her power lies not in the letter of her system, but in the magnificent spirit with which she has infused it.

ONE'S first thought on glancing at the report of the Oxford University Extension Summer Meeting is a wonder why half of the lectures should have been delivered. Here are discourses on Whitley Councils, the League of Nations, Industrial Peace, Soviet Government, and other topics which are being discussed every day in the newspapers and magazines. Why should eminent people lecture on them? A moment's consideration, however, shows that it is just because they are talked about so much in the press that these subjects need the lecturer. The press is at once the friend and the enemy of knowledge: the friend because it disseminates information, the enemy because that information is frequently one-sided, nearly always superficial, and generally directed rather to the excitement of feeling than to the discovery of truth. The world in which we live is wrapped in fog. It is the business of the lecturer to clear away the veils woven by party feeling, class prejudices, and racial antipathies, and bring us face to face with the realities of things. He must eschew all sensationalism, and hold in abhorrence that "smartness" which is one of the greatest curses of modern literature and modern speech. It is scarcely too much to say that the lecturer who is reported in the daily press stands condemned—a few eminent names and one or two periodicals being excepted. Great indeed is the function of the spoken word in an educated democracy, where there is a large fraction of the people educated enough to follow an exposition in the living voice, but not sufficiently instructed, or without adequate leisure, to study in books. The ever-increasing flood of conferences, lectures, and meetings are evidence that in the dissemination of ideas the tongue has as great a part to play as the pen. Democracy is in some ways a return to the conditions

of child life. The mass, like children, will listen where they will not read.

THE Circular of the Head Master of Eton, warning parents that for the future the inclusive fees for boys attending the College must, owing to existing financial conditions, be assessed at the higher rate of £200, suggests several interesting reflections. The increased demand on the parental purse seems at first sight in the nature of an educational plunge; nevertheless, it can hardly be regarded as a leap in the dark—for Eton. The average head master of any smaller and less conspicuous school might indeed well pause before he took his courage in both hands and risked thus the popularity of the institution whose destinies he was guiding; but, with an Etonian *clientèle*, it is easy to dare almost anything. The *cachet* of a socially exclusive and historically illustrious name must always attract in spite of, or even perhaps in consequence of, financial obstructions. Nevertheless, Dr. Alington deserves unqualified credit for being the pioneer in adopting a course which less famous schools will doubtless eagerly quote and follow. It is not clear whether the inclusive fee of £200 is really all that the parental exchequer of the Eton boy will be called upon to meet. Though sanatorium charges, subscriptions to games, and extra tuition are included in the total sum, there seems to be no suggestion in the Circular as to any reduction in those sartorial outfits called for by every change in an Eton boy's games-proficiency, which used to provoke parental murmurs at swollen school bills. However this may be, the principle of an inclusive fee is a step in the right direction.

IN the matter of school accounts, the English mind has been proverbially materialistic—a fault not surprising in a nation which has till lately regarded education as a bore rather than as a national asset. The English parent must have something tangible for his money. He has been ready to pay out liberally for consumable articles, but he failed to see value in high tuition fees. This want of mental perspective was encouraged by the fact that the more ancient and historic schools possessed endowments which provided partly for the payment of masters' salaries, while the modern schools, as a rule, enjoyed no such resources. The schoolmaster, therefore, in his prospectus, was led to display the boarding and the tuition fees as two separate items, and all the various expenses, such as laundress, doctor, and other establishment fees were figured in detail—to show value. Another item in the Circular to which public attention might well be directed is the statement "that no addition has been made to masters' salaries since war prices began, but it is clear that this is a possibility which has to be borne in mind." There is something almost pathetic in the gentle tentativeness of this remark, in view of the scandalous under-payment of all sorts and conditions of men engaged in teaching, even though Eton masters are popularly supposed not to be such serious sufferers as those attached to other less known and less happily endowed schools. The style in which it is thrust into the Circular, almost parenthetically, would seem to suggest that here Dr. Alington was not so certain of his ground in his attempt to win parental sympathy on that plea. Perhaps he was afraid lest undue emphasis on this point might open out the vexed question of pensions to non-local and non-State-aided

schools, which, if granted, would involve forcible inclusion of the great public schools in a national system of education, a problem bristling with social difficulties. But that—is another story.

IT is now more than a year since the Reports of the Government Committees on Science and Modern Languages appeared, and teachers may well ask whether anything is likely to come of them. In some quarters the cry is being raised that the Board of Education ought to put the recommendations into effect. With curious inconsistency, teachers are continually invoking the paternal aid of the Board and almost in the same breath crying out for more freedom from governmental regulation. There are many of the Committees' suggestions which we should be very sorry to see the Board attempting to force upon schools. We do not desire that a Government department should dictate the number of hours to be assigned to each subject, or the age at which foreign languages should be begun, or what branches of science should be taught to every child. These and many other matters discussed in the reports are questions for the authorities of individual schools, and not for the Board of Education. Again, one of the most urgent measures needed for the improvement of scientific and modern studies is a large increase in the number of University scholarships connected with those subjects. But this is a question as least as much for Local Authorities and private benefactors as for the Board.

THERE are, however, some recommendations which a central authority might do something to help forward. The most pressing need of the schools is trained teachers, and this is especially the case with modern languages, the teaching of which by modern methods is a highly skilled craft. The training of teachers for secondary schools has hitherto suffered from the fact that no advantage is offered to the trained teacher. The initial salary of the trained man or woman ought to be substantially higher than that of his untrained colleague, and until this principle is generally recognized we see small hope for training. The Board might do something to impress this truth on Local Authorities and governing bodies. The question which perhaps comes next in urgency is that of the pass in external school examinations. The standard of attainment required for a pass needs to be raised, not by making the papers more difficult, but by requiring a higher percentage of marks to be gained. The Board are, we believe, investigating the methods and results of the examinations taken by schools, and we hope they will keep this point in mind. We wonder whether teachers have pressed it upon the Secondary Schools Examinations Council. There are other matters, such as the increase of the language staffs at Universities, and the provision of adequate equipment for scientific work, in which the Board have it in their power to help. Teachers would do well, we think, to select those recommendations which they really feel are urgent, and which they desire to see carried out by a central authority, and press these upon the attention of the Board.

SINCE the time when an inconsiderable Parliamentary Grant was first made to supplement voluntary efforts to provide schools, public expenditure on educa-

The Cost of Education.

tion has been criticized and opposed. At the present juncture, those who would "spare the rate and spoil the child" are, as a matter of course, alarmists. The fact is that, while since 1870 the education of the people has been accepted as a national obligation, it has been the Cinderella of the public services. The voluntary origin of the system established the tradition of rigid economy. Twenty-five years after the Act of 1870 the cost of maintenance for each pupil in average attendance in voluntary schools had only increased from £1. 5s. 6 $\frac{1}{2}$ d. to £1. 18s. 11 $\frac{1}{2}$ d., although in Board schools the average was £2. 10s. 1 $\frac{1}{2}$ d. It is now probably between £5 and £6 a pupil. By an intensive system of production the supply of teachers was maintained without subjecting the occupation of teaching to the competitive forces operating in other employments. Consequently the nation was able to fulfil its educational obligations on the cheap. For some years the supply of intending teachers has shown signs of failing; this is not primarily due, as commonly supposed, to low salaries. It is the result of the abolition of the intensive system of production. The substitution of preparatory education in secondary schools for probation and apprenticeship in the elementary schools was the main cause of the shortage. It not only cut off innumerable sources of supply—for previously every elementary school was potentially an incubator—but the intending teachers in the secondary school rub shoulders with young persons who have other aims and ambitions, and may be easily diverted from their first intention.

IT is not surprising, however, that in addition to those who habitually criticize educational expenditure, there are some thoughtful people who view with misgiving the rapidity of the increase. We were unwise in the policy of excessive parsimony, and it is equally unwise, even in education, to indulge in indiscriminate prodigality. Members of the profession, and the enthusiasts, having wandered long in the wilderness, are entering into the Promised Land. It is natural that they should seek to take advantage of the circumstances in which they find themselves. But it is more than ever necessary to apply the cold steel of common sense to the educational problem confronting the community. Complicated though it is by the abnormal economic conditions, we believe that the claim of the profession to rewards which will compare favourably with other occupations requiring a long period of preparatory training is now admitted. We now have to be careful that, in securing the due recognition—too long deferred—of the claims of qualified teachers, we retain a due sense of proportion as to comparative values in the service of education. We are entirely in sympathy with those who desire equality of opportunity for exceptional ability, but we are unable to see that any useful purpose will be served either to the individual or the community by subsidizing mediocrity. We are of opinion, moreover, that it should be possible to provide such opportunities without increasing expenditure on primary schools to an extent that would have provoked Matthew Arnold to scholarly but emphatic protest.

IN these days it would be well for those in authority to re-read Matthew Arnold's Reports on Elementary Schools. That he would have been lacking in sympathy

Matthew Arnold.

with much that the modern spirit in education appears to represent, does not discredit the sanity of his conclusions. He asked the elementary-school teacher to put before himself, in the utmost simplicity, the problem he has to solve. "He has to instruct children between the ages of four and thirteen—children, too, who have for the most part a singularly narrow range of words and thoughts. He has, so far as secular instruction goes, to give to those children the power of reading, of writing, and (according to the good old phrase) of casting accounts. He has to give them some knowledge of the world in which they find themselves, and of what happens and has happened in it—some knowledge, that is, of the great facts and laws of Nature, some knowledge of geography and of history; above all, of the history of their own country. He has to do as much towards opening their mind, and opening their soul and imagination, as is possible to be done with a number of children of their age and in their state of preparation and home surroundings." Matthew Arnold wrote these words as a preliminary to a protest against what he regarded as unnecessary extravagance on the part of the London School Board in the maintenance of schools, then amounting to the "astounding figure" of 55s. 11d. for each child. He said: "We spend, on the whole, for each child more than France spends for two children, and the London School Board spends for each child more than France spends for three children."

THE Army Education Authorities have recently issued a leaflet on Education in the Regular Army. The Circular points out that educational training is to be regarded, in the future, as a definite part of a soldier's training, and should be accepted by commanding officers as integral and as permanent a part of military work as physical training and musketry. This is all to the good. In the past the Army schoolmaster has been hampered by the fact that many commanding officers were apathetic, to say the least, and regarded education as incidental to training. The leaflet lays stress on the new attitude expected from commanding officers, and deals chiefly with the benefits of the education scheme to the individual soldier, the Army, and eventually the nation. The details and organization are not yet published, so we can make no comment on the proposed curriculum and system of staffing the schools. It is contemplated, however, that the scheme will have three broad divisions: (1) higher, (2) commercial, (3) technical education. The nucleus of the staff must be, of course, the existing Corps of Trained Schoolmasters. This corps, it would appear, will have to be considerably augmented. It is to be hoped that, notwithstanding the cry of economy constantly in the ears of the General Staff at this period, they will press the claims of this very laudable project. The better educated the man, the better soldier he will make during his term in the service; and, when he comes to pass again to civil life, he will be an asset to his employers and a more valuable man to the community than when he left it to commence his military career.

SCHOOL NATURE-STUDY UNION.—A general meeting of the School Nature-Study Union will be held on Saturday, October 11, at 3 p.m., at the London Day Training College, Southampton Row, London, W.C.1. Mr. A. Clutton Brock will give an address on "Animism," and the chair will be taken by Dr. D. H. Scott. Admission is free.

HEALTH OF LONDON SCHOOL CHILDREN.*

THE Report of the School Medical Officer of the London County Council bears on every page evidence of the work and thought which has been necessary not only to produce the document itself, but more particularly to establish and maintain the far-reaching, ever-widening, and efficient machinery of a modern school medical service. That its chief sphere of action and influence is the elementary school is only what is right and to be expected, but to assume that there is little or nothing of interest for the secondary-school teacher is to fall into a grave error.

Systematic medical inspection of all secondary-school pupils, with the accompaniment of treatment and "follow-up" schemes, is not carried out in London, and it may be hoped that such treatment and schemes will never have to be adopted, for parental interest and responsibility will be at a very low ebb when medical inspection alone ceases to be sufficient. But scholarship holders in secondary schools have rightly to pass certain "personal hygiene" tests before being allowed to leave the elementary school for the secondary school.

The points raised in the Report on the question of "personal hygiene" should be read by all teachers. There is much wisdom in the sentence: "An additional advantage (in the use of public baths) over the installation of school baths lies in accustoming the children to the use of the public provision during school life, and the formation of habits which will ensure the fuller use of this provision after leaving school." This attitude towards the use of public baths should be encouraged.

The "grouping" of ailments commonly encountered in school medical inspection reveals the large number of "dental" cases, while a glance at the numbers of those who fail to get the dental treatment recommended further shows that a full realization of the dangers of neglected, defective, or diseased teeth has yet to become general. Here, again, is food for thought. The "elementary school" figures, and the revelations of Army dentists, all go to prove that dental defects are widespread and serious. Much may be done in school, not by trying to introduce more into an already far too overcrowded curriculum, but by personal example and by keen observation of the teeth of the children in class. Again, the career of a dentist for both girls and boys is one that, in view of the enormous amount of work still to be done, offers many attractions, and can safely be added to the list of those that teachers may feel justified in suggesting to parents or pupils in a secondary school.

It would appear that it is being recognized more and more fully that the acuteness or otherwise of the senses has a definite bearing on the mental condition of the child. Many children have heretofore been classed as backward who are only hard of hearing and successful in disguising that defect. Ingenuity in devising occupations and games which reveal acuity of sight, smell, and hearing will be rewarded by discoveries of defects concealed by a sensitive child to its own detriment. Serious investigation along these lines is bound to repay the investigator.

It may be noted with satisfaction that the Board of Education in 1917 included regulations for the organization and supervision of physical training in public elementary schools in the Medical Grant Regulations. There has been a great deficit here for years, and it is hoped that having now officially recognized the impossibility of carrying out adequate physical training unless under medical supervision—and properly qualified medical supervision, too—both the Board of Education and Local Authorities will devote to the development of this great and national work all the care, thought, and money it needs. The secondary-school teacher and child will not then find themselves neglected.

Amid much outcry for open-air schools, the powers of

teachers to take their classes out of doors should be widened, there being no doubt, however, of the value of an outdoor or open-air school where such an institution is practicable. These are but a few of the lessons of the Report, which may be commended to all teachers and other enthusiasts in education.

PERSONAL PARAGRAPHS.

By the death of Mr. George Sharples, Manchester has lost one of her most successful and esteemed schoolmasters. He began his professional career at Bolton, and went to Battersea Training College with a First Class Queen's Scholarship in 1874. Mr. Sharples was second Latin prizeman of his colleges for both years, and on leaving Battersea was appointed head master of All Saints' School, Bolton. Afterwards he successively became Inspector of schools under the Bolton School Board, head master of Spring Grove School, Huddersfield, and head master of Leeds Central Higher Grade School. At Huddersfield he had as assistants Richard Waddington, the children's friend, and Dr. T. J. Macnamara, the present Secretary to the Admiralty. Mr. Sharples went to Manchester in 1888 as head master of the new Board School in Waterloo Road, where he remained until the time of his death. During the early years of his career Mr. Sharples devoted a large part of his time to sports. He played Association football for Lancashire County, 1879-81, and won popularity by his successful captaincy of the Bolton Wanderers' Association team. At Manchester he worked unsparingly in the interests of teachers; he was elected to the Executive of the National Union of Teachers in 1895, and only nine years later he became President of the Union at Portsmouth. He was a member of the Education Committee of the Lancashire County Council, and of several committees attached to the Board of Education. His valuable services rendered to education were recognized when Manchester conferred on him the honorary degree of M.A.

* * *

THE death is announced of the Rev. M. A. Nisbet, Honorary Canon of Canterbury Cathedral. Mr. Nisbet was an old pupil of Cheltenham College and a scholar of Jesus College, Cambridge. Proficient in athletics no less than in scholarship, he captained the College boat and the College cricket eleven. He became curate of Longborough in 1861, Rector of Ringwood, Dover, in 1881, and held the living of Ickham, near Canterbury, from 1897 to the end of 1918. An enthusiast in educational matters, Canon Nisbet was for twenty years Hon. Secretary of the Canterbury Diocesan Education Society. He was Chairman of the Gloucester School Board from 1876 to 1881, and latterly rendered service to education as a member of the Kent County Education Committee.

* * *

By the retirement of Mr. Francis Jones, Manchester is losing the service of another of her famous schoolmasters. Mr. Jones has been a science master at the Manchester Grammar School for almost forty-eight years, and is the author of several well known school texts on chemistry. The governors of the Manchester Grammar School have decided that one of the laboratories in the contemplated new building shall bear his name "in acknowledgment of all the great service he has rendered to the teaching of science, both in the school and far beyond its walls."

* * *

MR. W. T. DANN, History Master at Manchester Grammar School, has been appointed Inspector of the Board of Education in Continuation Schools. Mr. Dann was educated at Eltham College (Blackheath), University College (London), and London Day Training College. He graduated B.A. London, Second Class Hons. Mod. Hist. in 1907, and M.A. Mod. Hist. in 1911. Formerly an assistant master at Kendal Grammar School, he took up his appointment at Manchester in 1911. He has been Commanding Officer of the School

* Report of the School Medical Officer (L.C.C.) for 1918.

O.T.C., and has been actively connected with the Workers' Educational Association and Hon. Secretary of the local branch of the Historical Association.

* * *

ADVOCATES of "co-optation of assistant teachers on the Governing Bodies of Schools" will welcome the announcement that Miss F. A. Thomas, Infant Mistress at the Council Schools, Llandilo, has been appointed a member of the governing body of the Llandilo County Intermediate Schools, Carmarthenshire. Miss Thomas, who has rendered valuable services as V.A.D. during the War, is the first elementary-school teacher in the country to attain such a position.

ONLOOKER.

TOPICS AND EVENTS.

WHITLEY COUNCILS AND THE TEACHING PROFESSION.—The application of the Whitley Report to the Education "Industry" is discussed in a leaflet issued by the Incorporated Association of Assistant Masters in Secondary Schools. The leaflet points out that Whitley Councils differ from advisory or consultative committees, as usually set up by Education Authorities, in that they will be standing Councils meeting regularly, under the direction of officials of their own choice, for the consideration of all questions in which the industry is concerned, whereas advisory and consultative committees have only met in the past on the invitation of the Education Authority. Further, it is contemplated that agreements reached by Whitley Councils should carry with them the same obligation of observance as exists in the case of other agreements between employers' associations and trade unions, an obligation which has certainly not been observed with regard to the opinions and decisions of the existing advisory and consultative committees. There seems no reason to doubt that bodies of the Whitley type could be set up for the education "industry," and, with goodwill on both sides, prove of value to teachers in enabling them to obtain a share of control in the administration of education. Since the representation of particular interests is fundamental in the Whitley Scheme, it is claimed that secondary associations *per se* should be represented on all Whitley Councils for Education, along with organizations representing other teaching interests. The leaflet advocates the formation of a National Council, of which the Teachers Registration Council should form the nucleus, and Local District Councils in direct relation with the National Council. In the Local Councils every type of teacher should be represented, so far as possible, by representatives nominated by the organizations concerned with the interests of the particular type.

JOURNALISM DIPLOMA: COURSES OF THE UNIVERSITY OF LONDON.—Full details of the two-year Journalism Diploma Courses, which the University of London are providing next session for demobilized men and other persons, are now published officially in a "Syllabus and Time-table for the Session of 1919-20, with General Directions and Information for Students." The five colleges of the University—University College, King's College, East London College, Bedford College, the London School of Economics and Political Science—which are conjointly giving effect to the University scheme, are each making a substantial contribution to instruction in the subjects which the scheme prescribes. The student is offered a wide choice of subjects of study. Students will also have the opportunity of attending lectures on matters of current public interest by persons of authority. A distinctive feature of the training will be social meetings of the students, when informal addresses on professional questions will be delivered by prominent journalists. Among those who have already consented to render the scheme this service are Dr. W. L. Courtney, Mr. Robert Donald, Mr. A. G. Gardner, Mr. J. L. Garvin, Mr. C. L. Graves, Sir Owen Seaman, Mr. J. C. Squire, Mr. J. A. Spender, Mr. A. B. Walkley, and Mr. Hartley-Withers. Applications for admission to the courses and all inquiries should be addressed to Mr. V. E. Wall, Organizing Secretary of the Journalism Committee, University of London, South Kensington, S.W.7.

TEACHERS OF COMMERCIAL SUBJECTS.—The College of Preceptors is now offering a course of training specially designed for teachers of commercial subjects. It is to extend over two sessions—that is, from September to June in each of two years. Each session students will attend two courses of twelve lectures—one before, the other after Christmas. The syllabus of the lectures of the first course is issued with the prospectus of the course. The subjects appear thoroughly practical and up-to-date. They are

entitled "Limitations from Within," "Limitations from Without," "The Teacher as Ruler," "The Pupil's Point of View," "Class Instruction," "Distribution of Teacher's Time," "Schemes of Work," "Methodology and its Dangers," "Written Work and Corrections," "The Teacher and the Textbook," "Inspection and its Implications," "The Teachers' Reading." In addition to the lectures, there will be discussions. These will be on the problems of practical teaching, the special difficulties of teachers of commercial subjects and on commercial education in all its aspects. Other features of the course will be visits to classes in which commercial subjects are taught, teaching under supervision, and essays on subjects suggested by all the foregoing. The full course is designed to afford teachers of commercial subjects an opportunity of gaining a training in teaching such as will satisfy the requirements of the Teachers Registration Council. The College of Preceptors, in thus instituting a new course of training, is continuing its work as a pioneer in education outlined by its President, Sir Philip Magnus, at the Commemoration Dinner on June 20.

SUMMER SCHOOL OF ITALIAN.—UNDER the auspices of the Modern Language Association, a Summer School of Italian was held from July 28 to August 16 at Girton College, whose Director of Studies in Modern and Medieval Languages, Miss K. T. Butler, acted as Organizing Secretary. The number of applications so far exceeded expectations that it was impossible to accommodate all would-be members at the College. A hundred were able to live at Girton, and the Secretary found rooms for some forty more in Cambridge. So far as was possible in such a short space of time, the School aimed at giving three weeks of what Prof. Okey in his inaugural lecture termed "intensive culture," not only in the Italian language and literature, but also in the political, economic, and social history of Italy, in her art, her music, and her philosophy. The time-table was so arranged that there were at least three lectures each day, of which two, as a rule, were in Italian. The courses of lectures were "The Growth of Italian Civilization from the Middle Ages to the Renaissance," by Dr. Edmund Gardner; "The Divina Commedia," by Mrs. Paul Chapman; "Lo Svolgimento della Commedia in Italia," by Signorina Gualtieri; and "The Making of the Kingdom of Modern Italy," by Prof. Okey. Apart from the courses, there were daily lectures on literary, artistic, historical, or sociological subjects, a great deal of stress being laid on the Italy of to-day. During the last week Mr. Edward Dent gave a series of lecture concerts on the history of Italian music from 1500 to the present day, with vocal and instrumental illustrations. The lectures formed only half the programme, two to three hours each day being given up to classwork. Practical instruction in phonetics was given by Mr. Noel Armfield, and language classes were held daily. The general conversation throughout the day was largely in Italian, and this, together with the fact that the leading Italian dailies were subscribed to, helped not a little to create an Italian atmosphere. The students were unanimous in their applause of the scope of the programme offered, and went away realizing not only how much they had gained in their mastery of the language itself, but what vistas of knowledge of things Italian had been opened out before them.

THE BOYS' WELFARE ASSOCIATION.—The conditions of modern industry have given rise to great industrial organizations, whereby there is a large aggregation of workers under the same direction, together with an immense equipment of automatic machinery which brings with it an increasing monotony and subdivision of labour. These have made more remote that intimate association of employer and employed which was possible, and often existed in the case of small firms, especially in relation to young persons employed therein, whose wellbeing demands at this crisis serious attention not only from an industrial point of view but also in the vital interests of the nation itself. The exigencies of the War have made manifest the question of the due care of young people, and a Boys' Welfare Association (which should surely include girls also) has been formed which has for its object not only the technical training of the boy, but also his full equipment for the duties of life. The Association has upon its Council the representatives of many influential firms, chiefly, however, of engineers and shipbuilders, whilst the textile and other important industries with their large body of young workers are not included, and there is only a meagre representation of the trade unions and none of the Workers' Educational Association. It seeks to carry out its objects by suggesting the appointment in the case of large firms of a welfare supervisor, whose business it would be to keep in close touch with the boy, who would be responsible for his engagement, and should watch over his progress and advise and encourage him in all efforts having for their aim his physical,

mental, and moral wellbeing. Already in many firms works schools have been set up, and the Education Act of 1918, whenever it is allowed to come into full operation, empowers Local Authorities to establish compulsory continuation schools for young persons within their working hours. These should have the sympathetic co-operation of both employers and workpeople, with a view to courses best adapted to the needs of young workers.

GUILD OF EDUCATION AS NATIONAL SERVICE.—There is evidence in the social world to-day of the country's need of teachers and social workers. The Guild of Education as National Service exists to find men and women willing to prepare themselves to take part in such work. The activities of the Guild, which has been started in the East End and in a rural centre at Kenton, near Harrow, might be described as those of an educational settlement. The students in training, who are educated men and women, are teaching in clubs for adolescent boys and girls. In view of the social problems immediately confronting us there is real need that as much "further education" as possible should be provided by voluntary means. For the further development of the work funds are urgently needed. The Guild was started in 1916 without endowment or capital, and could not have founded the Halsey Training College without some monetary assistance. The College is recognized by the Board of Education. The work has now grown and is at the stage where the need both for permanent endowment and for immediate help in development becomes essential. Funds are required for the general maintenance of the hostels, for further lectureships in the Training College, for equipment for the clubs and classes. There is special need for endowing scholarships for suitable men and women who wish to serve the community in this way, but who, without such assistance, could not afford to take the necessary training. Contributions in support of any of these objects will be gratefully received by Mrs. E. M. White, Organizing Secretary, Guild of Education as National Service, 11 Tavistock Square, W.C.1. It is hoped to raise a fund of £2,000.

CLASSES AND LECTURES FOR TEACHERS.—The London County Council have issued their "Handbook of Classes and Lectures for Teachers" for the session 1919-20. The lectures are available

to all teachers actually employed in teaching within the administrative county of London, irrespective of the particular institution at which they may be engaged. Teachers employed in teaching elsewhere may be admitted where accommodation permits. Some ninety courses of lectures have been arranged in art, domestic subjects, economics, English language and literature, foreign languages and literature, geography, handicraft, history, mathematics, music, pedagogy, phonetics, physical education, science, and miscellaneous subjects. Forms of application and copies of the handbook can be obtained from the Education Officer, L.C.C. Education Offices, Victoria Embankment, London, W.C.2.

BRITISH SCIENCE GUILD.—The ninth number of the *Journal of the British Science Guild* may be obtained—price 6d. per copy, postage 1½d.—on application to the Secretary, British Science Guild, 199 Piccadilly, W.1. The *Journal* contains the Report of the work of the Guild for 1918-19, various Memoranda, and a Report of the Thirteenth Annual Meeting, with addresses by Major-General the Right Hon. J. E. B. Seely, D.S.O., Sir Joseph J. Thomson, O.M., and the Right Hon. Lord Sydenham, G.C.S.I., on "Science and Labour Unrest."

HOLIDAY COURSES FOR MUSIC TEACHERS.—A largely attended holiday course for teachers was held at Streatham Hill High School during the week September 8 to 13. Mr. Stewart Macpherson, in his lectures on "Musical Appreciation," first dealt with the equipment necessary for a modern music teacher, especially the need for aural training and a wide knowledge of the literature of music. In the following lectures he showed the growth of music and its clearly marked periods. Miss Elsie Murray gave six lectures on aural training, dealing broadly with the whole scheme of work suitable for a public school, and illustrating each stage, from kindergarten to upper school, with classes of children. She showed how this scheme began with the use of rhythmic movements and percussion band, and ended with the writing of original four-part harmony. Mr. Frederic Moore gave three very illuminating lectures on the teaching of pianoforte technique, and Dr. Richards gave much valuable help in two lectures on Voice Production and the Singing Class.

(Continued on page 658.)

MESSRS. LONGMANS AND CO.'S LIST.

- s. d.
- Electricity and Magnetism.** For Advanced Students. By SYDNEY G. STARLING, B.Sc., A.R.C.Sc.,
Head of the Physical Department in the West Ham Municipal Technical Institute. With Diagrams. Crown 8vo. **9 0 NET**
- Magnetism and Electricity.** A Manual for Students in Advanced Classes. By E. E. BROOKS,
B.Sc. (Lond.), A.M.I.E.E., Head of the Department of Physics and Electrical Engineering in the Municipal Technical School, Leicester, and A. W. POYSER, M.A. (Trinity College, Dublin). With 413 Illustrations. Crown 8vo. **10 6 NET**
- Mechanics Applied to Engineering.** By JOHN GOODMAN, Wh.Sch., M.I.C.E., M.I.M.E.,
Professor of Engineering in the University of Leeds. With 741 Illustrations and numerous Examples. Ninth Edition, 1918. Crown 8vo. **14 0 NET**
- The Elements of Machine Design.** By W. CAWTHORNE UNWIN, LL.D., F.R.S., B.Sc.,
Mem. Inst. Civil Engineers, &c.
PART I.—General Principles; Strength of Materials; Rivets, Bolts, and other Fastenings; Journals and Shafting; Couplings; Pedestals; Transmission of Power by Gearing, Belting, Ropes, and Chains. With 387 Figures. 8vo. **12 6 NET**
- The Elements of Machine Design.** By W. CAWTHORNE UNWIN, LL.D., F.R.S., B.Sc.,
Mem. Inst. Civil Engineers, &c., and A. L. MELLANBY, D.Sc.
PART II.—Chiefly on Engine Details. With 311 Diagrams, &c. 8vo. **10 6 NET**

A COMPLETE LIST OF ALL MESSRS. LONGMANS, GREEN AND CO.'S BOOKS ON CHEMISTRY, PHYSICS, AND MATHEMATICS WILL BE SENT POST FREE ON APPLICATION.

LONGMANS, GREEN AND CO., 39 Paternoster Row, London, E.C.4.

MESSRS. LONGMANS AND CO.'S LIST.

- | | s. d. |
|--|----------|
| Modern Inorganic Chemistry. By J. W. MELLOR, D.Sc. With 334 Illustrations. 8vo. | 10 6 |
| The book has been written from the modern standpoint, and, in consequence, the more recently established principles of physical chemistry have been woven with the facts generally taught in chemistry classes in Universities, Technical Institutes, and other Schools. | |
| Introduction to Modern Inorganic Chemistry. By J. W. MELLOR, D.Sc. With 232 Illustrations. Crown 8vo. | 7 6 |
| This book can be regarded as an abridgement of the author's "Modern Inorganic Chemistry," in a simpler dress, and it has been adapted to suit beginners in chemistry. | |
| Higher Mathematics for Students of Chemistry and Physics. With Special Reference to Practical Work. By J. W. MELLOR, D.Sc. With Diagrams. 8vo. | 16 6 NET |
| A Text-book of Inorganic Chemistry. By G. S. NEWTH, F.I.C., F.C.S. With 155 Illustrations. Crown 8vo. | 8 6 |
| Manual of Chemical Analysis, Qualitative and Quantitative. By G. S. NEWTH, F.I.C., F.C.S. With 102 Illustrations. Crown 8vo. | 8 6 |
| A Smaller Chemical Analysis. By G. S. NEWTH, F.I.C., F.C.S. Crown 8vo. | 2 6 |
| Qualitative Chemical Analysis, Organic and Inorganic. By F. MOLLWO PERKIN, Ph.D. With 16 Illustrations and Spectrum Plate. 8vo. | 7 6 |
| Intermediate Physics. By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S., late Professor of Physics at the Royal College of Science, London. With Diagrams. 8vo. | 15 0 NET |
| Elementary Practical Physics: a Laboratory Manual for Use in Organized Science Schools. By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S. With 120 Illustrations and 193 Exercises. Crown 8vo. | 3 6 |
| A Text-book of Physics. With 568 Diagrams and Illustrations, and a Collection of Examples and Questions with Answers. By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S. Large crown 8vo. | 15 0 |
| A Text-book of Practical Physics. A Book of Reference for the Student working in a Physical Laboratory. By W. WATSON, A.R.C.S., D.Sc. (Lond.), F.R.S. With 278 Illustrations. Crown 8vo. | 10 6 |
| A Treatise on Light. By R. A. HOUSTOUN, M.A., Ph.D., D.Sc. With 328 Diagrams. | 8 6 NET |
| An Introduction to Practical Mathematics. By F. M. SAXELBY, M.Sc., B.A., Head of the Mathematical Department, Battersea Polytechnic. Crown 8vo. | 3 6 |
| A Course in Practical Mathematics. By F. M. SAXELBY, M.Sc., B.A. With 200 Figures, Examination Questions, and Answers to the Examples. 8vo. | 7 6 |
| Practical Arithmetic and Mensuration. By F. M. SAXELBY, M.Sc., B.A., and C. H. SAXELBY, M.Sc., Mathematical Master, Rivington and Blackrod Grammar School. With or without Answers. Crown 8vo. | 2 6 |

A COMPLETE LIST OF ALL MESSRS. LONGMANS, GREEN AND CO.'S BOOKS ON CHEMISTRY, PHYSICS, AND MATHEMATICS WILL BE SENT POST FREE ON APPLICATION.

LONGMANS, GREEN AND CO., 39 Paternoster Row, London, E.C.4.

A COMMUNITY OF WAR ORPHANS.—We have received further particulars of the work Mr. Norman MacMunn is doing at Tiptree Hall, Essex. There are now nine children being trained, and the experiment is being developed with gratifying success. Mr. MacMunn's desire is to make the community a centre for the study of the spontaneous activities of children, and he makes an earnest appeal for workers of all kinds, voluntary or otherwise, especially to teach cookery, mathematics, and music, and to superintend outdoor pursuits. Mr. MacMunn would be much helped if he could admit a few paying pupils to be trained with the orphans. Full particulars as to the experiment may be obtained from Mr. MacMunn, at Tiptree Hall, Tiptree, Essex.

CAMBRIDGE LOCAL EXAMINATIONS.—The Class Lists of the Cambridge Local Examinations held in July show that the total number of candidates entered was 7,374, exclusive of 1,272 who were examined at colonial centres. 106 candidates were entered for the Higher-school Certificate Examination, which was held for the second time on this occasion; 71 of these were successful. The exhibitions at St. John's College have been awarded to W. A. P. Fisher (Bournemouth School) and H. L. Birbeck (Orme's School, Newcastle-under-Lyme). In the Senior Examination 1,363 boys and 1,702 girls passed, First Class Honours being gained by 142 boys and 44 girls. Exemption from the whole of the Previous Examination was gained by 335 boys and 227 girls. Of the Junior candidates 852 boys and 528 girls satisfied the examiners, 72 boys and 7 girls being placed in the First Class. In the Preliminary Examination 232 boys and 288 girls passed.

EDUCATIONAL GRANTS FOR EX-SERVICE MEN.—Under the Government scheme of financial assistance for the higher education of ex-Service officers and men, the total number of grants awarded by the Board of Education now amounts to 9,500, including 4,000 officers and 5,500 men. The courses in respect of which grants have been awarded include more than 2,500 for engineering and technological subjects, between 800 and 900 for classics, philosophy, and literature, and about 1,200 for pure science and mathematics. Applications are still being received in large numbers, and are being dealt with at the rate of more than a hundred a day.

SALARIES IN ELEMENTARY SCHOOLS.—The first meeting of the Standing Joint Committee representative of Local Education Authorities and of the National Union of Teachers, established for the purpose of considering the salaries of teachers in public elementary schools, was held at the Board of Education on September 12. The Secretary of the Board of Education announced that Mr. Fisher had invited Lord Burnham to act as Chairman of the Committee. After the Chairman had made a short statement, Mr. F. J. Leslie, Hon. Secretary of the Association of Education Committees, and Sir James Yoxall were appointed Joint Honorary Secretaries of the Committee. A general discussion on procedure took place, and subsequently the Committee proceeded to consider the question of minimum commencing salaries.

CORRESPONDENCE.

ARMY SCHOOLMASTERS.

To the Editors of The Journal of Education and School World.

SIRS,—The Corps of Army Schoolmasters understood that Lord Gorell had pledged himself not to rest content until he had improved the status of the Army schoolmaster. The Army schoolmaster, a fully qualified and trained teacher with many years' experience in educating and handling men, is being rapidly superseded by education officers and officer instructors who know little about the work, and in several cases have come to the army schoolmaster to be enlightened on the subject. It is true some of the education officers and officer instructors hold academic qualifications, but the majority do not, and their chief qualification is one month's intensive training at a special class at Oxford. Can these individuals carry out the work as efficiently as experienced teachers? Yet the latter are to go to the wall and submit to being superseded by amateurs. This state of affairs would not be tolerated by the medical or any other profession.

In pre-war days the Army schoolmaster was assisted in the school by school assistants—private soldiers whose educational attainments were those of a Second or First Class Army Certificate, who were given the rank of Lance-Corporal. During the War the

(Continued on page 660.)

Sir JAMES YOXALL writes:

"A new Atlas is badly required. The Maps already issued in this Series seem to me to fulfil the requirement. I am glad to see that they are large enough for exhibition on the blackboards in schools. The teaching of Geography will be much assisted by them."

PART I OF

"The Daily Telegraph"

VICTORY ATLAS

1s. 3d.
NET each part

IS ON SALE

1s. 3d.
NET each part

and is sure to take its place on its merits as the standard work of the future.

YOU have made history, we have mapped the result in **The Daily Telegraph Victory Atlas**. The war has made the pre-war Atlas a thing of the past and it is now only so many "scraps of paper."

The Daily Telegraph Victory Atlas is the Atlas for the present and the future, produced on new lines for modern purposes. Absolutely Up-to-Date. The decisions of the Peace Conference, as made, will be embodied and issued without delay. This is one of the many advantages in obtaining this work in fortnightly parts.

Each part will contain three large and superbly coloured double-page maps 26 ins. X 20½ ins. The maps are unequalled for clearness, accuracy, and detail. The smallest place can be easily picked out.

The Daily Telegraph Victory Atlas will be the standard work of reference and indispensable in the study, office, class-room and home. It will be completed in about 48 fortnightly parts.

Owing to the immense number of copies printed at a time, the price of each part (containing 3 large maps) will be only 1s. 3d. (that is 5d. each Map). On the completion of the Atlas it will be impossible to sell separately any of the Maps at less than 1s., so that each part which now costs 1s. 3d. will then cost 3s. Another great advantage is thus obtained by purchasing the parts as published.

All interested in the teaching profession are particularly invited to examine Part I. For the purpose of imparting instructions to Scholars this Atlas will be helpful in every way.

ON SALE EVERYWHERE

This Atlas is being produced and published by "GEOGRAPHIA, LTD.," 55 FLEET STREET, E.C.4, under the Editorship of Alexander Gross, F.R.G.S.

MESSRS. BELL'S BOOKS

SUITABLE FOR

OXFORD LOCAL EXAMINATIONS, 1920.

Senior.

Shakespeare for Schools. Edited by S. P. B. MAIS, M.A., Assistant Master at Tonbridge School. With numerous Illustrations by BYAM SHAW. **1s. 6d. each.**

The Tempest. **King John.**
Julius Caesar. **Midsummer Night's Dream.**
The Merchant of Venice. **Hamlet.**
Twelfth Night.

Browning.—Strafford. Edited, with Notes by E. H. HICKEY, and Introduction by S. R. GARDINER, LL.D. **1s. 9d.** [Bell's English Classics.]

Chaucer.—Prologue. Edited by S. E. WINBOLT, M.A. Christ's Hospital. With Biographical and Critical Introduction, and Glossary. **8d. net.** [Bell's Short English Texts.]

Coleridge.—The Ancient Mariner. Edited with Notes and Introduction by the late A. GUTHKELCH, M.A. **1s. 3d.** [Bell's English Texts.]

Tennyson.—The Story of Enid from Tennyson and The Mabinogion. Edited by W. A. TREBLE. **1s.** [Bell's English Texts.]

Bell's English History Source Books. Joint Editors: S. E. WINBOLT, M.A., and KENNETH N. BELL, M.A. **1s. 6d. net each.** 17 volumes, covering the period 449–1887.

Canada, 1535–1913. By JAMES MUNRO, M.A. **1s. 6d. net.**

Caesar.—De Bello Gallico, V and VI. Edited, with Introduction, Notes, and Vocabulary, by A. REYNOLDS, M.A., and J. T. PHILLIPSON, M.A. **3s.**

[Bell's Illustrated Classics.]

Also issued separately. Price **1s. 9d. each.**

Cicero.—De Amicitia. Edited, with Introduction, Notes, and Vocabulary, by H. J. L. J. MASSÉ, St. Paul's Preparatory School. **1s. 9d.** [Bell's Illustrated Classics.]

Sallust.—Catilina et Jugurtha. The Text only. Edited by GEORGE LONG, M.A. **1s. 6d.**

Sophocles.—Antigone. Edited, with Introduction, Notes, and Vocabulary, by G. H. WELLS, M.A., Merchant Taylors' School, E.C. **3s. net.** [Bell's Illustrated Classics.]

Thucydides, Book II. The Text Only. Edited by J. G. DONALDSON. **2s.**

Virgil.—Aeneid. Books IX and X. Edited, with Introduction, Notes, and Vocabulary, by L. D. WAINWRIGHT, M.A. **1s. 9d. each.** [Bell's Illustrated Classics.]

Euripides.—Hecuba. Edited, with Introduction, Notes, and Vocabulary, by the Rev. A. W. UPCOTT, D.D., late Head Master of Christ's Hospital. **2s. 6d.**

[Bell's Illustrated Classics.]

Xenophon.—Anabasis, Book IV. Macmichael's Edition, revised by J. E. MELHUISE, M.A., St. Paul's School. With Life, Itinerary, and Map. **1s. 6d.**

Junior.

Shakespeare for Schools. Edited by S. P. B. MAIS, M.A. With numerous Illustrations by BYAM SHAW. **1s. 6d. each.**

The Tempest. **The Merchant of Venice.**
Julius Caesar. **Coriolanus.**

Milton.—Comus. With Introduction and Notes by MARTIN W. SAMPSON, Professor in Indiana University. **3s.**

[English Readings.]

Also an edition in Bell's Short English Texts, **8d. net.**

Bell's English History Source Books. Joint Editors: S. E. WINBOLT, M.A., and KENNETH N. BELL, M.A. **1s. 6d. net each.** 17 Volumes, covering the period 449–1887.

Canada, 1535–1913. By JAMES MUNRO, M.A. **1s. 6d. net.**

Daudet.—Lettres de Mon Moulin. Edited, with Vocabulary, Notes, and Biography in English and French, by MARC CEPPI, Whitgift School, Croydon. **1s. 9d.**

Preliminary.

Kingsley.—The Heroes. Edited by L. H. POND, B.A. **1s. 3d.** [Bell's English Texts.]

Kingsley.—The Heroes. Edited, with Introduction and Notes, by A. E. ROBERTS, M.A. **1s. 9d.**

[Bell's English Classics.]

Kingsley.—The Heroes. Edited, with Biographical and Critical Introduction, by S. E. WINBOLT, M.A. **8d. net.**

[Bell's Short English Texts.]

CAMBRIDGE LOCAL EXAMINATIONS, 1920.

Shakespeare for Schools. Edited by S. P. B. MAIS, M.A. With numerous Illustrations by BYAM SHAW. **1s. 6d. each.**

The Tempest. [Junior and Senior.]
Hamlet. [Senior.]

Also an edition in Bell's Short English Texts, **8d. net.**

Milton.—Comus. With Introduction and Notes by MARTIN W. SAMPSON, Professor in Indiana University. **3s.**

[Senior.]

Macaulay.—History of England. Chapter III. Edited, with Introduction and Notes, by S. E. WINBOLT, M.A. **1s. 3d.** [Senior.]

Macaulay.—History of England. Chapter III. Edited, with Biographical and Critical Introduction by S. E. WINBOLT, M.A. **8d. net.** [Senior.]

Caesar.—De Bello Gallico. Book VI. Edited, with Introduction, Notes, and Vocabulary, by J. T. PHILLIPSON, M.A. **1s. 9d.** [Junior.]

Livy. Book V. Prendeville's Edition. Revised throughout by J. W. FREESE, M.A. **1s. 6d.** [Senior.]

Virgil.—Aeneid. Book VI. Edited, with Introduction, Notes, and Vocabulary, by J. T. PHILLIPSON, M.A. **1s. 9d.** [Junior and Senior.]

Euripides.—Medea. Edited, with Introduction, Notes, and Vocabulary, by the Rev. T. NICKLIN, M.A. **2s. 6d.** [Junior and Senior.]

Xenophon.—Anabasis. Book I. Edited, with Introduction, Notes, and Vocabulary, by E. C. MARCHANT, M.A. **1s. 9d.** [Junior.]

G. BELL AND SONS, LTD., York House, Portugal Street, W.C. 2

majority of these men were given the opportunity denied to the schoolmaster, of taking a commission, and many of them now hold appointments as education officers or officer instructors. After a training of two or three years, and one year's probation in a garrison school, an Army schoolmaster is granted the rank of Warrant Officer, Class II, and has to serve in this rank for eight years, when he is promoted to Warrant Officer, Class I, after which there is no further promotion. As a general rule, he is discharged after twenty-one years, without the option of attaining the maximum rate of pension, which is considerably less than that of a civilian teacher, in spite of the many disabilities of the Army master. While the conditions as to rank in the Corps still obtain, yet, under Lord Gorell's scheme, men of the rank of anything from private to Sergeant are being given a month's course of training at Newmarket and promoted to units as W.O.I.'s, but the schoolmaster with two or three years' training still has to wait nine years for that rank.

The qualified Army schoolmaster asks to be granted commissioned status for two main reasons:—(1) It is the only status commensurate with the importance of his profession, years of training, and ability. (2) It will give him security of tenure, and ensure him a retiring allowance equal to that of the civilian teacher, many Army schoolmasters being civilian trained teachers who joined the service on leaving college.

If cost is the main obstacle, then, for the time being, the Army schoolmaster is prepared to accept the commissioned status on his present rate of pay. If the education of the soldier and his child in the future is to be entrusted to novices with a few months' training, it is time Mr. Fisher looked into the matter, and the public inquired as to whether it is getting value for the large expenditure of public money on the new Army Education Scheme.

—Yours faithfully,

ARMY SCHOOLMASTER.

BOOKS OF THE MONTH.

Classics.

- Speeches from Thucydides: Selected from Jowett's Translation. Clarendon Press. Price 1s. net.
A Latin Grammar for Beginners. By A. M. Dale. Blackie. Price 2s. 6d. net.

Elementary Latin Translation Book. By the Rev. Dr. A. E. Hillard and C. G. Botting. Rivingtons. Price 2s. 9d.

Education.

- An Inquiry concerning the Principles of Natural Knowledge. By Prof. A. N. Whitehead. Cambridge University Press. Price 12s. 6d. net.
Catholic Education: A Study of Conditions. By Rev. Dr. J. A. Burns. Longmans. Price 6s. net.
Advance in Co-Education. Articles by various Authors. Edited by Alice Woods. Sidgwick. Price 3s. 6d. net.
The Equipment of the Workers. Allen & Unwin. Price 10s. 6d. net.

English.

- An English Course for Schools. By S. P. B. Mais. Richards. Price 6s. net.
Repetition. By W. Snow. Philip. Price 1s.
News Writing. By Prof. M. L. Spencer. Harrap. Price 7s. 6d. net.
The Pupils' Classbook of English Composition. By E. J. S. Lay. Book II. Macmillan. Price 1s. 3d.
A Phonetic Reader for Use in Junior Classes. By C. F. Mackenzie and P. W. Drew. Manchester University Press. Longmans. Price 1s. 3d. net.
Outlines of the History of the English Language. By Dr. E. Classen. Macmillan. Price 5s. net.
Working Composition. By J. P. Oodycke. Harrap. Price 7s. 6d. net.

Geography.

- The Human Geographies. Book IV, The New World. By J. Fairgrieve and E. Young. Philip. Price 1s. 9d.
Shropshire: The Geography of the County. By Prof. W. W. Watts. Shrewsbury: Wilding & Son, Ltd. Price 2s. 6d. net.
The Daughter Lands of Britain. McDougall. Price 2s. 6d.
Map Reading Made Easy. By Capt. C. C. Esson and G. S. Philip. Philip. Price 3s. 6d. net.
An Outline of the Geography of the West Indies. By J. E. Blackman. Blackwell. Price 3s. net.

History.

- A Survey of Modern History. By H. W. Hodges. Blackie. Price 6s. net.

(Continued on page 662.)

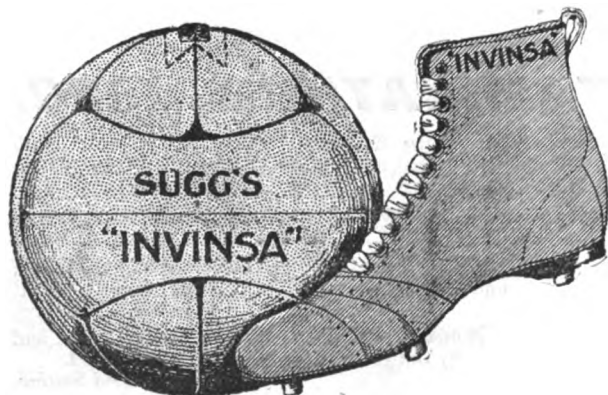
FRANK SUGG, Ltd.,

MAKERS OF THE FAMOUS

"INVINSA" FOOTBALLS, BOOTS,

AND

HOCKEY STICKS



**Write for
Catalogue**

**EVERYTHING FOR
EVERY GAME.**

HEAD OFFICE:
LORD STREET,
LIVERPOOL.

RANCHES: 8 QUEEN STREET, CARDIFF.

11 ALBION STREET, LEEDS.

58 FLEET STREET, LONDON, E.C. 4.

Mr. Murray's New School Books.

Teachers are invited to apply for a specimen copy of

EXERCISES IN ENGLISH GRAMMAR.

By **R. B. MORGAN, M.Litt.**, Author of "A NEW ENGLISH GRAMMAR," now in its Fifth Edition (42nd thousand).

2s.

The demand expressed by teachers for additional exercises of the same interest and cheerful character as those which have made the parent book so popular has induced the author to compile this volume of Exercises.

2s.

Now Ready.

IN THE PRESS.

EXERCISES IN ENGLISH COMPOSITION.

By **E. E. KITCHENER, M.A.**, Author of "ENGLISH COMPOSITION." **2s.**

For the use of teachers who prefer to lay down the principles of composition by oral work in class.

GRAMMAIRE FRANÇAISE ÉLÉMENTAIRE.

By **W. MANSFIELD POOLE, M.A.** 25th thousand. **3s.**

New (Fourth) and Revised Edition.

The exercises have been amplified and almost entirely rewritten, and many additions and corrections have been made in the text.

LA LANGUE FRANÇAISE : à l'usage des classes

moyennes et supérieures. By **G. KESSEN BUZZA, B.A.**, and **E. E. HURT, B.A.** **3s.**

This book is intended for pupils in their Third and Fourth Years of French. Especially suitable for use after Poole's "Grammaire Française Élémentaire."

Three Standard Medical Books.

A HANDBOOK OF PHYSIOLOGY.

By **W. D. HALLIBURTON, M.D., F.R.S.**, Professor of Physiology, King's College, London. With nearly 600 Illustrations. 14th Edition, thoroughly revised and brought up to date. **16s. net.**

AN INDEX OF SYMPTOMS, with diagnostic methods.

By **R. W. LEFTWICH, M.D.**, late Assistant Physician to East London Children's Hospital. 7th Edition. **12s. net.**

PRACTICAL ZOOLOGY: A Junior Course.

By **Prof. A. MILNES MARSHALL, M.D., F.R.S.**, and **C. H. HURST, M.D.** Revised by **F. W. GAMBLE, D.Sc., F.R.S.**, Professor of Zoology, Birmingham University. 8th Edition. **12s. net.**

THE STORY OF ENGLISH LITERATURE.

By **E. W. EDMUNDS, M.A.** (Bishop's Stortford College).

Three Volumes, **4s. each.** Vol. I, THE ELIZABETHAN PERIOD, 1558-1625. Vol. II, SEVENTEENTH AND EIGHTEENTH CENTURIES, 1625-1780. Vol. III, NINETEENTH CENTURY, 1780-1880.

. There are also three volumes of readings to each period.

Full Prospectus on application.

For the Teacher.

THE TEACHING OF GRAMMAR.

By **LAURA BRACKENBURY, M.A.**, Principal of the Clapham Training College. **2s. 6d. net.**

A book dealing with the scientific side of the subject.

Classics.

LATIN TRANSLATION AT SIGHT.

By **T. D. HALL, M.A.** Revised Edition. **1s. 6d.**

Passages of graduated difficulty, carefully selected from Latin authors, with Explanations and Notes.

By **Profs. WALTERS and CONWAY.**

LIMEN: a First Latin Book. 60th Thousand. **3s.**

AD LIMEN: a Companion Book to Limen, for more advanced study. **3s.**

ANTE LIMEN: based upon Limen, for younger beginners. **3s.**

DEIGMA: a First Greek Book. **4s.**

Designed to meet much of the destructive criticism aimed at Greek in recent years.

(KEYS TO THE ABOVE CAN BE OBTAINED BY TEACHERS.)

THE GOVERNMENT OF THE BRITISH EMPIRE.

By **EDWARD JENKS, B.C.L., M.A.** **7s. 6d. net.**

A comprehensive account of the different political institutions of our Empire, expressed in simple, untechnical language.

PRINCIPLES AND METHODS OF TAXATION.

By **G. ARMITAGE SMITH, M.A.** New Edition. **3s. net.**

Containing Financial Statements of War Expenditure, and the means of increasing the revenue during the war.

EXERCISES IN PHYSICS: for the use of Schools.

By **J. H. LEONARD, B.Sc.**, and **W. H. SALMON, B.A.** With or without answers. **1s. 6d.**

A series of invaluable Exercises, carefully arranged and graduated for class or home work.

London : John Murray, 50a Albemarle Street, W. 1.

- Outlines of Central Government, including the Judicial System of England. By J. J. Clarke. *Pitman*. Price 1s. net.
- The Violet Crown and the Seven Hills, being the Story of Ancient Greece and Rome. By E. M. Buske. *Russell*. Price 3s. net.
- The Making of the Future: Provinces of England. By E. B. Fawcett. Price 6s. 6d. net.
- Our Social Inheritance. By V. Branford and Prof. P. Geddes. *Williams & Norgate*. Price 6s. net.

Mathematics.

- Wooden Algebraic Cube Illustrating the Binomial Theorem and the Rule for Extracting the Cube Root. To be obtained from *Messrs. Barnes & Morris, Ltd.*, Audrey House, Ely Place, London, E.C.1. Price 12s. 6d.
- Easy Practical Mathematics and Drawing Combined for the First Year Preliminary Technical Course. By E. Sankey. *Edward Arnold*. Price 2s.
- An Elementary Course of Infinitesimal Calculus. By Prof. H. Lamb. Third Edition, Revised. *Cambridge University Press*. Price 20s. net.

Miscellaneous.

- Nelson's Classics (New Series): The Children of the New Forest. By Captain Marryat.—John Halifax, Gentleman. By Mrs. Craik. Price 1s. 6d. net each.
- Business Book-keeping. By J. Routledge. *Pitman*. Price 3s. 6d. net.
- Deer Godchild. By M. Bernard and E. Serrell. *Laurie*. Price 2s. net.
- Lost Island. By H. P. Holt and R. H. Barbour. *Harrap*. Price 6s. net.
- The Boys of Fellingham School. By J. G. Rowe. *Harrap*. Price 6s. net.
- Charousek's Games of Chess. By P. W. Sergeant. *Bell*. Price 7s. 6d. net.
- Chess Openings Illustrated. By J. Du Mont. I, Centre Counter. *Bell*. Price 2s. 6d. net.
- The British Boy's Annual, 1920. *Cassell*. Price 6s. net.
- Record of War Service, 1914-1918, Officers' Training Corps (Junior Division). Public School Officers and other Members of the Staffs. Cambridge: D. H. Steers, Major, R.E. (T.), St. John's College. Price 5s. 6d.

- Script Writing Copybooks. By E. G. Fooks. I, II, and III. *Pitman*. Price 6d. net each.
- The London School of Economics and Political Science (University of London). Abridged Calendar for Session 1919-20. *The London School of Economics*. Price 6d. net.

Modern Languages.

- Hindustani Military Colloquial. By Dayaram and Anandram. Part I, with Key. Price 2s. net. Part II. Price 1s. 9d. net. *Crosby Lockwood*.
- A Colloquial Sinhalese Reader in Phonetic Transcription. By H. S. Perera and Daniel Jones. Manchester: *University Press*. Longmans. Price 4s. 6d. net.
- La Dolce Favella. Edited, with Notes, by Dr. E. Grillo. *Hirschfeld Brothers*. Price 4s. net.
- A Handbook for Soldiers or Civilians Learning either French or English. 366 English Proverbs Literally Translated into French with many French Equivalent Proverbs. Compiled by R. W. Hurst. *Simpkin*. Price 1s. net.
- First Lessons in French. By Mary Baguley. *Edward Arnold*. Price 2s. 6d.
- French Verbs and Verbal Idioms in Speech. By E. Méras and Prof. E. J. Méras. Reprint. *Macmillan*. Price 3s. 6d. net.
- Le Français par l'Exemple et les Textes: Livre IV, La Famille Brizon. Contes et Récits. Par C. L. A. Bonne. *Rivingtons*. Price 2s.
- Harrap's Modern Language Series: El Licenciado Vidriera, from Cervantes' "Novelas Ejemplares." Edited by E. A. Peers. Price 1s. 6d. net.—Commercial Spanish. By E. F. McHale. Price 5s. net.

Music.

- Rhythmic Games set to the Music of Great Composers. By C. Butes. Book I, The Seasons. Second Edition. *Evans*. Price 4s. 6d. net.
- Singing Class Music.—Edward Arnold's Series. Edited by T. F. Dunhill. Numbers 25-33, 128-132, 134-139, 201-204. Price 3d. and 4d. per piece.
- Batch of Vocal and Instrumental Pieces for One or More Voices. *Joseph Williams*.

(Continued on page 664.)

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "How to become a Naval Officer" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 21 Old Bond Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announced through the Press on the 17th July, 1919, that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, will be continued for a further four years. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

LANTERN SLIDES

OF

NATURAL HISTORY & SCIENTIFIC SUBJECTS.

Send for Catalogue "E."

Also made to order from Clients' own originals.

MICROSCOPE SLIDES.

New comprehensive Catalogue in the press. Please apply.

MICROSCOPES, DISSECTING INSTRUMENTS, STAINS, CHEMICALS,
AND ALL REQUISITES FOR BIOLOGICAL STUDENTS.

FLATTERS & GARNETT, Ltd.,
309 OXFORD ROAD (Opposite the University), MANCHESTER.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental
Apparatus Parts and Materials.Lenses, Achromatic or Plain, Prisms, Mirrors, and
Optical Goods.Best Make, Second-hand P.O., and other Galvanometers,
Relays, Electric, and Optical Instruments at
ONE-THIRD COST.Insulated Wire, Ebonite, Solenoids, Lamps, Magnets and Fittings
for the Student of Science.Telephones, Batteries, Morse Keys, and every aid for
Radio and Telegraphic Experiments.
Our Celebrated Wimshurst Machines.War-time List 2 stamps. Second Hand Apparatus List 1 stamp.
Call or write for information. (H. J. DALE has had fifty
years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Stollan Avenue, Bloomsbury Square, London, W.C. 1.

HODDER & STOUGHTON ANNOUNCE THE NEW TEACHING SERIES

PRACTICAL
TEXT
BOOKS
*
*
*
BOOKS
FOR
THE
NEW
AGE
*

THE NEW TEACHING SERIES IS ONE OF THE FIRST-FRUIITS OF THE NEW RENAISSANCE, AND BREATHES THE INSPIRATION OF THE HOUR'S OCCASION. IT STRIVES TO BUILD UP THE NEW HUMANISM ON THE BASIS OF THE STUDENT'S IMMEDIATE ECONOMIC INTERESTS AND ENVIRONMENT.

Mr. H. G. WELLS writes:

"The Series will be a very valuable addition to our educational resources. The scheme is an excellent one."

Chemistry from the Industrial Standpoint. By P. C. L. THORNE, B.A.

Uses suitable descriptions of chemical operations on a large scale to illustrate general principles and the rough physics of applied chemistry, thus creating a school chemistry closely related to the practical applications of the science. With specially prepared diagrams.

4/6 net. *Early in October.*

The Foundations of Engineering. By W. H. SPIKES, B.A.

The mechanics and heat which constitute the general principles of the science of Engineering are treated with a rare simplicity.

With many new diagrams.

4/6 net. *Early in October.*

The Natural Wealth of Britain. By S. J. DULY, B.A.

Practical Field Geology, and the implications of Geology in Mining and Industry, form the prelude to a detailed treatment of Industrial Geography.

With about 100 illustrations.

6/- net. *November.*

Professor JOHN ADAMS:

"Your Series *exactly* meets the needs of the Educational situation just developing."

Applied Botany. By G. S. M. ELLIS, B.A.

The secrets of plant life, the influence of environment and of man, and the control by man of environment to the advantage of the plant—these are the substance of the volume.

With many illustrations.

4/6 net. *Early in October.*

Citizenship. By F. R. WORTS, M.A.

A search for the roots of Government, both Central and Local, necessarily results in a thorough examination of the problems involved in the rights and duties of citizenship.

4/6 net. *Early in October.*

Mathematics of Business and Commerce. By O. H. COCKS and E. P. GLOVER.

An important feature is that instruction in book-keeping is implicit, the manipulation of figures being always applied to actual book-keeping problems as well as being of the most practical and serviceable character.

With Answers. 4/6 net. *November.*

Write for detailed list of works in active preparation.

THE NEW TEACHING SERIES
HODDER & STOUGHTON, 18 WARWICK SQUARE, E.C.4

PRACTICAL
TEXT
BOOKS
*
*
*
BOOKS
FOR
THE
NEW
AGE
*

Religious Knowledge.

- The New Testament for Schools: The Gospel According to St. Luke. The Text of the Revised Version, with Introduction and Notes, by the Rev A. R. Whitham. *Rivingtons*. Price 3s.
- Translations of Christian Literature. Series II: Latin Texts, Tertullian's Treatises Concerning Prayer, Concerning Baptism. Translated by Dr. A. Souter. *S.P.C.K.* Price 3s. net.
- Handbooks of Christian Literature: The Eucharistic Office of the Book of Common Prayer. By the Rev. L. Wright. *S.P.C.K.* Price 3s. 6d. net.
- Translations of Early Documents: Jewish Documents of the Time of Ezra. Translated from the Aramaic by A. Cowley. *S.P.C.K.* Price 4s. 6d. net.

Science.

- The Natural History of South Africa. By F. W. Fitzsimons. Mammals: Vols. I and II. *Longmans*. Price 9s. each volume.
- The Wants of Man. By T. H. Bowtell. *Pitman*. Price 2s. 6d. net.
- Cambridge Biological Series: Fossil Plants. A Textbook for Students of Botany and Geology. By Prof. A. C. Seward. Vol. IV. *Cambridge University Press*. Price 21s. net.
- We Must Discover. *Simpkin*. Price 3s. 6d. net.
- Cambridge Nature Study Series: The Study of the Weather. By E. H. Chapman. *Cambridge University Press*. Price 3s. 6d. net.

Verses.

- English Narrative Poems. With an Introduction by Sir Henry Newbolt. *Edward Arnold*. Price 2s. 6d.
- The House of the Winds. By E. J. Brady. *Harrap*. Price 4s. 6d. net.

PRIZE COMPETITIONS.

THE Prize for the September competition is awarded to "S.C.J.M.," and the second place to "Playshaw."

The winner of the August competition is Dr. R. L. Batterbury, Berkhamsted.

Extract from André Maurel's "Un Mois à Rome."

By "S.C.J.M."

Spring was all around us, amid the myriad marbles: formless fragments which owe their preservation to their antiquity. Edging the flower-beds these stones are set in rows, and the plants caress them as they weave their way in and out among them. Stones jut out from among the flowers, flowers spring up among the stones. It is Nature, touchingly reasserting her power over man's handiwork, and, in the joy of this new life, flowers and stones gleam with a common radiance. Birthwort swings itself rhythmically round shattered shafts. Broken pillars support the delicate convolvulus and bear up its white chalices. Yes, how splendid seem these ruins, thus adorned, worthy in their grandeur of the noblest temple. They borrow the wistaria's immortal glories, and, commingling lives, perpetuate their own. So closely are they intertwined that who can say which brought the other to birth: the capital or the acanthus?—or whether the garland of oak leaves would fain become carnation, or the virginia creeper trace out the frieze—which it is that aspires to die in beauty to be born again in sweetness. But, no, it is indeed the stone that lives again.

A great quadrilateral of bare sarcophagi, stripped of their bas-reliefs, marks out the flower-beds at the end of a wide alley. See how they overflow with roses! Born in coffins, roses go climbing and spreading endlessly, passing from tomb to tomb, for ever stretching out their arm-like branches which run from sepulchre to sepulchre, making very death break into smiles. The beauty of this chain, of these chains of flowers linking up and springing out from the marble, is beyond words. Even in the Forum the wonder of the wistaria and the laurels among the scattered marbles carries one out of oneself. Poor Forum—well-meaning, but, before everything, calculating. Here there is no need to be careful lest too much be hid. Beauty can only be in common here; the splendour is the splendour of the whole. Surely Death thus adorned would be beautiful and blessed!

The extract from André Maurel's book on Rome was apparently thought difficult, for it did not bring a very large number of translators into the field. The concluding sentences are certainly a little obscure. The meaning is that the flowers in the Forum are not so

(Continued on page 666.)

... A NATIVE FRENCH TEACHER ... WITH HUGO'S GRAMOPHONE COURSE

RECORDED BY PARISIAN
ELOCUTIONISTS.

ANY TEACHER IS ABLE TO
CONDUCT A FRENCH CLASS

and to ensure

PERFECT and NATURAL
PRONUNCIATION

Demonstrations at 64-66 Oxford St., W.1
Admission by Tickets only.

FRENCH in THREE MONTHS

with Hugo's simplified system. Ask for Prospectus.

SMALL CLASSES

PRIVATE LESSONS

In all Languages

Self Tuition by Post

HUGO'S FRENCH JOURNAL. 1d. weekly.

CONSIDERABLY ENLARGED, contains LESSONS for beginners and more advanced students, also anecdotes, reading, commercial subjects, with translations and pronunciation. Write for free specimen copy of No. 1 new volume ready October 1st. Published by—

HUGO'S LANGUAGE INSTITUTE,
33 Gracechurch Street, E.C. 3.

64-66 Oxford St., W.1. 205 Earl's Court Rd., S.W. 5.

Tutorial Institute

BLOOMSBURY HALL, 26 HART STREET,

BLOOMSBURY SQUARE, LONDON, W.C.1.

Principal: J. F. EWEN, M.A., Honours.

W. T. WALKER, F.G.S., B.Sc. Honours, Medallist of London University.
R. J. DALLAS, M.A., Wrangler, Scholar King's College, Cambridge.
O. D. COLLINS, B.Sc. London University, University Prize in Psychology.
T. REED, A.R.C.S. National Scholar, Lecturer on Botany.
W. B. EDMONDS, Fellow Royal Geographical Society.
A. E. ALCOCK, B.A., Wadham College, Oxford.
Dr. EWEN, M.F.C.S., L.R.C.P.
Miss E. KENNETT-HAYES, First-Class Higher Froebel.
Assisted by University Lecturers for Special Subjects.

L.L.A. THE MOST POPULAR DEGREE FOR WOMEN TEACHERS.

The Honours Diploma may now be obtained with five subjects, e.g. Education, Literature, History, Geography, Logic or Mathematics.

1919 RESULTS.—Top Student for Sixth Year in succession at the whole Examination with Double First Class Honours.

The only First Class Honours in Education. Again First Classes in Literature, History, Biblical History, and the only Honours in Logic.

Record number of Successes in Pass and Honours.

OVER HALF OF ALL THE DIPLOMAS credited to Classes.

New Guide to L.L.A. with Official Syllabus for 1920 Free.

N.F.U. HIGHER CERTIFICATE.

ORIGINAL CLASS FOR CORRESPONDENCE.

Top Student at Part I, 1919, for Fifth Year in succession with Firsts in all subjects. All Firsts at Part II and Double First in Teaching and Handwork. New Froebel Guide 1920 Free.

INTERMEDIATE, B.A., MATRICULATION, HIGHER LOCALS.

Honours Cambridge and Oxford last two years. A.C.P., L.C.P., and other Qualifications for Teachers. 22 years' successful experience.

THE "A.L." "ACME" RECORD BOOK

FOR SECONDARY SCHOOLS, PRIVATE
SCHOOLS, DAY TECHNICAL SCHOOLS,
TRADE SCHOOLS, &c.

Net 2/-

Arranged in **Three Terms** and makes provision for

1. Record of Attendance with individual Masters;
2. Record of Pupil's Homework;
3. Teacher's Memoranda on Individual Pupils;
4. Record of Work done in Class;
5. Record of Progress of Individual Pupils;
6. Examination Results;
7. Syllabus of Work for each Term.

This Record Book is especially suited to those Schools which have recently accepted Inspection. The *simplicity* and *completeness* of the Records will place them beyond all doubt.

THE "A.L." "COMPACT" RECORD BOOK.

Net 1/3.

Smaller than the above, but on a similar plan. Suitable for
Evening Technical and Commercial Courses,
Junior Technical Schools, Day and Evening
Continuation Schools, &c.

E. J. ARNOLD, & SON, Ltd.,
LEEDS, GLASGOW, & BELFAST.

A MESSAGE TO VIOLIN LOVERS.



We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your inquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

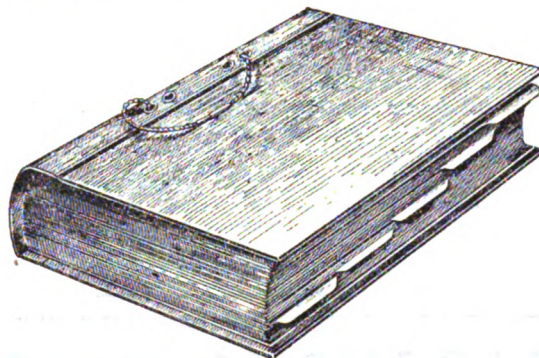
NATURE STUDY.

Birds and small animals mounted for painting studies. British and tropical Lepidoptera, &c., mounted in neat glazed cases. British Lepidoptera reproduced on silk, set of 50 different, **4s.** 50 new copies of Ward's "Life Histories of Familiar Plants" (now out of print), 86 fine photo plates, published 6s., **3s. 6d.** Cassell's "Nature Study Book," 6 vols., hundreds of plates, &c., **35s.** Lists.—**A. FORD, 36 Irving Road, Bournemouth.**

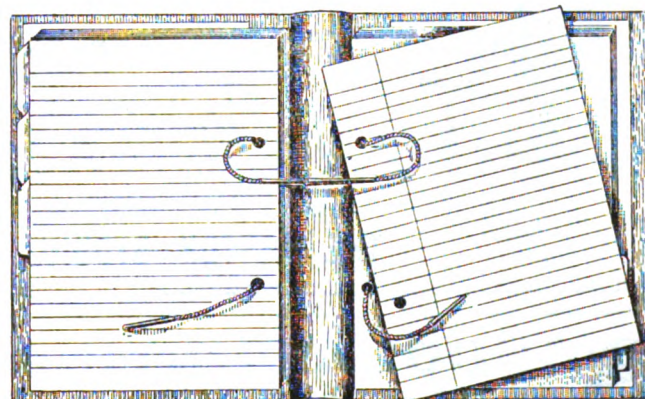
WM. HUNT'S OXFORD "IDEAL" LOOSE-LEAF EXERCISE BOOK.

(Patent.)

WM. HUNT'S Patent "Ideal" LOOSE-LEAF NOTE-BOOK constitutes the best and most convenient Higher Form and Science Class Exercise Book, Lecture Note Book, Loose-Leaf Scrap Book, Storage Covers for Notes, Letters and Papers of all sorts yet invented. The Book opens perfectly flat for writing, and binds up absolutely securely; can be un-made and re-made and the leaves transferred from one book to another or new leaves added in any manner without trouble and without risk of disarrangement or loss. No rings, posts, arches, or mechanism of any sort. Only one book necessary for many subjects, (each subject can be transferred to its own distinctive cover as convenient). 18 sizes and several qualities. Capacity one leaf or 300 with no lost bulk. "IDEAL" for preserving NOTES OF LECTURES and other matter in convenient and easily accessible form.



Showing the Book containing 300 sheets of paper closed. The Divisible Lace is here shown joined, by inserting the Pointed Tag into the Barrel Tag: When the Book is in use the Lace should be joined as above only. When not in use the lace ends may be tied in a bow knot.



Showing the manner of changing leaves. A leaf is shown withdrawn from one Divisible Lace before withdrawing it from the other.

PRICE LIST AND TERMS ON APPLICATION.

WILLIAM HUNT,

Manufacturing Academical Stationer,

18 Broad St. (opposite Balliol College), OXFORD.

Works: 11 ST. ALDATE'S.

profuse but that they suggest that the Forum does not wish to hide its ruins, whereas in the baths of Diocletian the stones are so over-run with blossom that the two seem blended into one indivisible mass of beauty and glory, and there is no rivalry between them. The names of the plants, too, appear to have troubled a good many competitors. The prize-winner has them right, except *liane*, which is a generic name for the climbing plants of American forests, and is best translated "creepers." We confess to being ignorant of what exactly "aristolochia" or "birthwort" is, and we should have omitted the sentence in which it occurs could it have been done without injury to the passage. "Chalices" is a little inaccurate; "calice," the ecclesiastical term, is not the same word as "calice," the botanical term. Translate "flower-cups" or "cups." For "swings itself rhythmically," we would suggest "weaves a dance" or "dance," and for "linking up," which is a little colloquial, "binding together." *Reliefs* is "reliefs" or "alto-reliefs."

We classify the 46 versions received as follows:—

Class I.—S.C.J.M., Playshaw, Somewhen, F.H.G., Bésigue, E.A.N., Mors Janua Vitae, Priscilla, Borealis.

Class II.—Calvus, Jolande, Damaris, Bobby, Chymyny, Haraldo, Serbia, Bohemond, Menevia, Hesperus, Mamble, Esse quam videri, W.W.M., Chingleput, Dane, Candidus, Rusty, Alsager, Amba, Desper.

Class III.—P.H., Eugène, Sidgwick, Nautilus, Bladud, E.A.P., Novice, Patsy, Sirach, Tom Turk, H.M., Kooka, Hibernia.

Class IV.—Isis, M.D., E.S., D.I.M.

A Prize of Two Guineas is offered for the best translation of the following extract from Michelet's description of a meeting of the Cordeliers' club in his "Histoire de la Révolution française":—

Qu'est-ce qui préside là-bas? ma foi, l'épouvante elle-même... Terrible figure que ce Danton! un cyclope? un dieu d'en bas?... Ce visage effroyablement brouillé de petite vérole, avec ses petits yeux obscurs, a l'air d'un ténébreux volcan... Non, ce n'est pas là un homme, c'est l'élément même du trouble; l'ivresse et le vertige

y planent, la fatalité... Sombre génie, tu me fais peur! dois-tu sauver, perdre la France?

Voyez, il a tordu sa bouche; toutes les vitres ont frémi.

"La parole est à Marat!"

Quoi! c'est là Marat? cette chose jaune, verte d'habits, ces yeux gris jaunes, si saillants... C'est au genre batrachien qu'elle appartient à coup sûr, plutôt qu'à l'espèce humaine. De quel marais nous arrive cette choquante créature?

Ses yeux pourtant sont plutôt doux. Leur brillant, leur transparence, l'étrange façon dont ils errent, regardant sans regarder, feraient croire qu'il y a là un visionnaire, à la fois charlatan et dupe, s'attribuant la seconde vue, un prophète de carrefour, vaniteux, surtout crédule, croyant tout, croyant surtout ses propres mensonges, toutes les fictions involontaires auxquels le porte sans cesse l'esprit d'exagération. Ses habitudes d'empirique, la circonstance surtout d'avoir vendu sur la place, lui donnent ce tour d'esprit. Le *crescendo* sera terrible; il faut qu'il trouve, ou qu'il invente, que de sa cave il puisse crier un miracle au moins par jour, qu'il mène ses abonnés tremblants de trahisons en trahisons, de découvertes en découvertes, d'épouvante en épouvante.

Il remercie l'assemblée.

Puis, sa figure s'illumine. Grande, terrible trahison! nouveau complot découvert... Voyez, comme il est heureux de frémir et de faire frémir... Voyez, comme la vaniteuse et crédule créature s'est transfigurée!... Sa peau jaune luit de sueur.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on October 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

HAND-WOVEN MATERIALS. LOOMS AND SPINNING WHEELS



Spin Your Own Wool.
Weave Your own
Dresses.
Lessons Given.

ON SALE AT
THE ALSTON WEAVING STUDIO.

Hand-Spun Woollens, Vegetable Dyed. Linen and Silk, Wool and Silk, Jumpers, &c.

SPECIAL COURSES OF INSTRUCTION GIVEN TO TEACHERS, also to those starting Village Industries, in Spinning Wool and Flax by the Wheel and from the Distaff. Weaving, Vegetable Dyeing, Sandal Making, Greek Gymnastics, &c.

There is an overwhelming demand for all yarn spun by hand. THE ALSTON STUDIO will provide the raw material and purchase all yarn. Every one in the household can learn this beautiful and interesting craft. A Spinning-wheel is a real joy in the Home. Call or send Stamp for particulars to—

THE ALSTON STUDIO, 8 NEW BOND STREET, W.1.

Telephone:
Mayfair 3062.

SCHOOL PRINTING OF EVERY DESCRIPTION.

MODERATE TERMS. ACCURACY. PROMPTNESS.

SATISFACTION GUARANTEED.

THE GUARDIAN PRESS (G. ALLAN BROCKMAN, Proprietor.)
GARNHAM STREET, STOKE NEWINGTON, LONDON, N.16.

Now Ready. Price 2s. Per post, 5d. Vol. I, Part I.

THE DUBLIN UNIVERSITY CALENDAR
For THE YEAR 1919-1920.

To which are added the ordinary Papers set in Hilary and Trinity Terms, 1919.

HODGES, FICGIS & CO., Ltd., Dublin. LONGMANS & CO., London.

CHILDREN'S ACTION SONGS.

- No. 1.—LITTLE RED RIDING HOOD.
- No. 2.—TIRESOME DOLLIES.
- No. 3.—LEARNING TO BE SOLDIERS.
- No. 4.—ELVES AND GOBLINS.
- No. 5.—THE NEW TOWN BAND.
- No. 6.—THE MERRY REAPER LADS.
- No. 7.—THE GIRLS' WASHING DAY.

With Full Directions, Tonic Sol-fa, and Old Notation. 6d. each No.
Lists and professional terms post free.

LONDON MUSIO PUBLISHING STORES, LTD.,
17a London Street, London, E.O. 3.

(Publishers of Ezra Read's Easy Piano Tutor, and Children's Easy Marches, Dances, &c.)

W. & R. CHAMBERS L^{TD.}, 38 Soho Sq., London, W. 1 339 High St., Edinburgh.

MACHINE DRAWING AND SKETCHING

By JOHN H. DALE, A.M.I.M.E., Quad. Hons., Bronze Medallist,
Winner of King's Prize in Machine Drawing, Lecturer in Engineering
at the Darlington Technical College.

3s. 6d. net.

The book is intended for the use of students of about the fourth and fifth years of a Technical Course. It contains 84 machine drawing examples, 200 sketches of machine details and 190 questions on sketching, numerical calculations, and workshop practice.

STUDENT'S HISTORY OF ENGLAND AND GREAT BRITAIN

By W. J. BEES, B.Sc.

772 pages, 6s. net. Separately—PART I—55 B.C. to 1485 A.D.; II—1485 to 1910. Each 3s. net. SECTION 1, 1066 to 1485; 2, 1485 to 1714; 3, 1688 to 1910. Each 2s. net.

The Teacher says—"An ideal text-book. This is decidedly one of the very best of students' English histories that we have seen."

CHAMBERS'S PERIODIC HISTORIES

In this series due prominence is given to the development of social life; the progress in arts and crafts; the advancement of learning; the great struggles for religious and political liberty; the growth of the constitution.

Book III—England in the Making. 1s. 9d.

Book IV—England in the Middle Ages. 2s.

Book V—England under Tudor and Stuart Kings. 2s.

Book VI—Britain in Modern Times. 2s. 3d.

Book VII—The Story of England's Rise and Progress. 2s. 6d.

INORGANIC CHEMISTRY

By Profs. F. STANLEY KIPPING and W. H. PERKIN. 8s. 6d. net.
PART I, 4s. 6d. net. PART II, 4s. 6d. net.

ORGANIC CHEMISTRY

By Profs. W. H. PERKIN and F. STANLEY KIPPING. 8s. 6d. net.
PART I, 4s. 6d. net. PART II, 4s. 6d. net.

CHAMBERS'S ETYMOLOGICAL DICTIONARY

Enlarged Edition. 694 pages. 2s. 6d. net.

Containing Supplement of 85 additional pages embodying all the most recent words, including compound words and phrases.

NEW COMMERCIAL ARITHMETIC

By P. COMRIE, M.A., B.Sc., F.R.S.E., and W. WOODBURN.
PART I, 1s. 6d. net. With Answers, 2s. net. Answers, 6d. net.

COMMERCIAL CORRESPONDENCE

OFFICE ROUTINE AND MERCANTILE PRACTICE.

By G. R. WALKER.

288 pages, 3s. 6d. net. Also separately, First Year's Course, 1s. 6d. net. Second Year's Course, 2s. 6d. net.

Commercial Copy Books—Book I, 6d. net; Book II, 6d. net.

COMMERCIAL GEOGRAPHY OF THE WORLD

By Prof. A. J. HERBERTSON, M.A., Ph.D., F.R.S.E.,
and JAMES COSSAR, M.A.

New Edition. 536 pages. 3s. 6d. net.

Separately—PART I—British Isles. 1s. 6d. net. PART II—The World Outside the British Isles. 2s. 6d. net.

A NEW GEOMETRY FOR SCHOOLS

By G. LAWSON, M.A., Rector, Waid Academy, Anstruther.

Books I-III (Corresponding to Euclid's Elements I-IV), 2s. net. Books I-IV (Corresponding to Euclid's Elements, I-VI), 2s. 6d. net.

PLANE GEOMETRY

PRACTICAL AND THEORETICAL.

By J. S. MACKAY, M.A., LL.D.

Books I-V (Corresponding to Euclid's Elements, I-VI), 3s. 6d. net. Books I, II, and III, 2s. 6d. net. Books IV and V, 2s. net.

FOUR-FIGURE MATHEMATICAL TABLES

By C. G. KNOTT, D.Sc., F.R.S.E. Enlarged Edition.
40 pages. Paper, 6d. net. Cloth, 8d. net.

SEVEN-FIGURE MATHEMATICAL TABLES

By JAMES PRYDE, F.E.I.S. 6s. net.

Tables of Logarithms (1 to 108000) Logarithmic Sines, &c., to seven places.

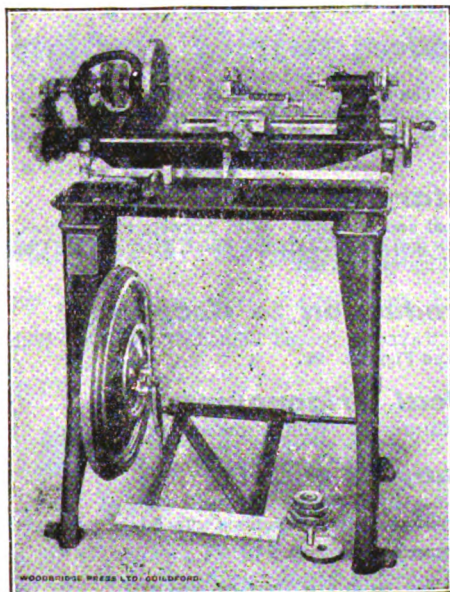
FIVE-FIGURE MATHEMATICAL TABLES

By E. CHAPPELL, B.Sc., Assoc. M.Inst. C.E. 7s. 6d. net.

The novel features of this work are the Lolog and Antilog tables, which enable the processes of Involution and Evolution to be done by means of Addition and Subtraction only.

DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable.
DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable.
The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work.



As supplied by the British Admiralty.

Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD.

If you need BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C. 2,

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

OXFORD UNIVERSITY PRESS

Short Essays for Schools.

For Fourth and Fifth Forms, with Specimen Analysis and Subject Index. By S. E. WINBOLT. 3s. net.

Selections from Boswell's Life of Johnson.

Chosen and Edited by R. W. CHAPMAN. With 3 Illustrations. 3s. 6d. net.

English Prose from Bacon to Hardy.

Selected by E. K. BROADUS and R. K. GORDON. With summaries and a few notes. 6s. net.

Scott's Talisman.

Edited by C. B. WHEELER. With 19 Illustrations and Notes. 3s.

A Book of Verse for Boys and Girls.

Compiled by J. C. SMITH. Annotated Edition, in one volume. 3s. 6d. net.

A New English Grammar.

Based on the Recommendations of the Joint Committee on Grammatical Terminology, by E. A. SONNENSCHNEIN, with exercises by E. ARCHIBALD and an appendix of the Pied Piper of Hamelin (common to all parts). In one volume, 4s. 6d. net; also in three parts. Part I, Parts of Speech and Outlines of Analysis. 1s. 3d. net. Part II (A) Kinds of Pronouns, Adjectives, and Adverbs; (B) Forms and their chief meanings. 1s. 9d. net. Part III (A) Structure of Sentences and Clauses; (B) Uses of Forms. 2s. net.

School Bible Readings.

Being a Course of Bible Study in the revised version, recommended by the Joint Continuation Committee of the Head Masters' Conference and the Association of Preparatory Schoolmasters. 2s. 6d.

The Listener's Guide to Music.

With a Concert Goer's Glossary. By PERCY A. SCHOLES. With an Introduction by Sir W. H. HADOW. Paper boards, 3s. 6d. net. Cloth, 4s. net.

An Analytical Outline of English History.

By W. E. HAIGH. 3s. 6d. net.

The Teaching of History.

By C. H. JARVIS. 4s. 6d. net.

Lessons in English History.

By H. W. CARTER. With sixty-seven Maps, Plans, and Illustrations, Bibliography, Extracts from contemporary writers, and Chronological chart. 3s. 6d. net.

Sixty-eight outlines upon which the teacher can construct lessons for a two years' course for middle forms, or, by selection, a year's course for junior forms.

Map Work.

By V. SEYMOUR BRYANT and T. H. HUGHES. With 83 Illustrations and 7 in Colour. 5s. net.

La Patrie.

Echos de l'Histoire de France pour les Comménçants. By JULIA TITTERTON. Crown 8vo. With twelve Illustrations, Historical Tables, and Vocabulary. 2s.

Le Français des Français de France.

Conversations en cours d'année. By JEHANNE DE LA VILLÈSBRUNNE. Crown 8vo. 2s. 6d.

La Violette par les Couleurs, et Autres Saynètes.

By Lady FRAZER. 1s. 9d.

Language Teaching.

Theory and Practice, with special reference to French and German. By E. CREAGH KITTSON. 4s. net.

Elementary Spanish Grammar.

By B. SANIN CANO. 4s. 6d. net.

OXFORD SPANISH PLAIN TEXTS.

Edited by J. FITZMAURICE-KELLY.

Fábulas Literarias de Thomas de Iriarte. 1s. 6d. net.

Fábulas en Verso de F. M. Samaniego. 1s. 9d. net.

Eglogas de Garcilaso de la Vega. 1s. 6d. net.

Poesías varias de Garcilaso de la Vega. 1s. 6d. net.

OXFORD JUNIOR LATIN SERIES.

With Introductions, Notes, Indexes of Proper Names, and Vocabularies. 1s. each.

Virgil, Aeneid IV. Edited by C. E. FREEMAN.

Virgil, Aeneid V. Edited by C. E. FREEMAN. 1s. 9d.

Virgil, Aeneid VI. Edited by C. E. FREEMAN.

Selections from Ovid. Edited by C. E. FREEMAN.

Livy, Book I. Edited by C. E. FREEMAN. With a Map.

Horace, Select Odes. Edited by J. JACKSON.

A Latin Reader.

With Notes and Vocabulary by A. PETRIE. 3s. 6d. Also with "An Introduction to Roman History, Literature, and Antiquities." 5s. The latter, separately, 2s.

Elementary Grammars.

By E. E. BRYANT and E. D. C. LAKE, designed to include only what is essential to an elementary knowledge of the language.

Elementary Greek Grammar.

124 pp. 2s. 6d.

Elementary Latin Grammar.

116 pp. 2s.

School Algebra.

By W. E. PATERSON. 4s. 6d. With Answers, 5s. Part I (Third Edition), Chapters i-xxii; to Indices and Logarithms, including Fractions and Quadratic Equations. 3s. With Answers. 3s. 6d. Examples only. 1s. 6d.

Arithmetic.

By N. J. CHIGNELL and W. E. PATERSON. With or without Answers. The two parts together, 5s. Part I, Simple and Compound Rules, Decimals, Vulgar Fractions, Ratio Methods, and their Application, with Answers, 3s. Examples only, Part I, with Answers, 2s. 6d.

Elementary Geometry.

Theoretical and Practical. With Answers to Exercises. By W. E. PATERSON and E. O. TAYLOR. Vol. I, Triangles and Quadrilaterals, with 169 Figures. 1s. 8d.

An Introduction to Geometry.

By E. O. TAYLOR. Second Edition. Crown 8vo. With 177 Illustrations and Figures. 2s.

Numerical Trigonometry.

By N. J. CHIGNELL. With or without Answers. 3s.

The Study of Plants.

An Introduction to Botany and Plant Ecology. By T. W. WOODHEAD. With over 200 Illustrations. 7s. 6d.

London: HUMPHREY MILFORD,
OXFORD UNIVERSITY PRESS, AMEN CORNER, E.C.4.

LONDON UNIVERSITY DEGREES.



University Correspondence College

(FOUNDED IN 1887.)

Principal: WM. BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.

During the last Fifteen Years

6940

Univ. Corr. Coll. Students

have passed the

INTERMEDIATE AND DEGREE

Examinations of

London University

in addition to gaining

5207

SUCCESSSES AT MATRICULATION

And Numerous Successes at other Examinations Exempting
from Matriculation.

Free Guides

to London University Matriculation, Inter. Arts or Inter. Science,
B.A. or B.Sc., containing Full Particulars of Courses and Fees,
Post free to **Private Students** from—

THE SECRETARY,

No. 14, BURLINGTON HOUSE, CAMBRIDGE.

THE JOURNAL OF EDUCATION WITH WHICH IS INCORPORATED THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' ANNOUNCEMENTS—

Whole Page ...	£5 10 0	One Column [$\frac{1}{2}$ page] £3 0 0
Half Column [$\frac{1}{2}$ page]	1 15 0	One-Eighth Page ... 0 17 6
Per Inch in Column, 8/-.		

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—
6d. per line; minimum charge, 5s.Posts Wanted or Vacant.—30 words for 2s.; each 10 words after, 6d.
*prepaid rate.*Lectures, Classes, Non-Resident Posts, &c.—48 words for 3s.; each
8 words after, 6d.; *prepaid rate.*

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a
stamped envelope must be enclosed.[Advertisers are reminded that "Letters addressed to INITIALS or to
FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post
Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

Mr. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C.4;

to whom all remittances should be made payable. Orders and Cheques should
be crossed, "The London Joint City and Midland Bank, Ludgate Branch."
Postage stamps can only be received at the rate of thirteen to the shilling.Notice must be given of all remittances through the Post Office from abroad,
stating full name and address of the sender; and all Foreign Money Orders
must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

PRELIMINARY EDUCATION OF MEDICAL STUDENTS.

By C. E. L. LIVESEY, Bootham School, York.

A STATUTORY body known as the General Medical Council regulates the conditions with which all who wish to enter the medical profession in this country must comply. This is as it should be in a learned profession, and if we draw issue with the General Medical Council it is when they step beyond their terms of reference, and encroach on fields wherein they are not specialists. Having formulated their scheme and indicated their standard, the General Medical Council then leave the details and applications to the various medical examining bodies and Universities, sanctioning their schemes and accepting their verdicts.

Registration by the General Medical Council is essential to power to practise in the profession, but this must not be confused with student-registration—i.e. before the entry on the professional studies. After the degree or diploma is obtained, the General Medical Council are bound to admit such properly qualified men to their Register.

Student-registration is required by some of the Licensing Bodies, but not by all—e.g., the Universities of Oxford, Cambridge, and London, and the Conjoint Board of England.

The General Medical Council require, in the first place, evidence of a certain standard of general education, and for this purpose a number of examinations have been accepted in the past with certain attached conditions. The General Medical Council claim, through their Education Committee, that the preliminary education of a medical student must be "one, up to the age of sixteen, which will form a suitable basis for his future work." Are the foundations for this profession, then, so entirely different from those required for other professions, and is their later claim, that "the pupil should be taught to think," based on the assumption of this faculty as a non-essential in other professions?

The General Medical Council, in their attempt to come into line with other professional bodies seeking to simplify the entrance examinations, adopted the recommendation of their Education Committee in November last, "that the certificate of the 'First Schools' Examination' of the Education Board of England be accepted as affording sufficient evidence that the holder has fulfilled the educational condition required of candidates for admission to its Register of Medical Students, provided that the subjects of English and mathematics have been passed 'with credit.'" With this decision we do not cavil, except in so far as it omits any demand that some evidence should be shown that "the candidate has received instruction in natural science, the bedrock of his future vocation."* For this purpose, at least, science should be in a separate group from mathematics, and a pass should be demanded.

When we come to the next stage in the career of the medical student—his preliminary sciences—we are at once thrown into the cauldron of seething dispute. Where can these preliminary sciences be taught with the best results?

One section claims that the teaching of the preliminary sciences ought, from the outset of and throughout the courses, to be directed with special regard to their applications to medicine and surgery, and that this teaching cannot be given at the public schools. The claim is further laid that a boy should leave school at the age of sixteen, immediately after passing the First Schools' Examination or its equivalent, and proceed direct to his vocational studies at the University, hospital school, or some technical institution.

To this latter contention we emphatically demur, merely affirming for the moment that the last two years—sixteen to eighteen—of a boy's life at school tend, far more than if he were drafted prematurely into University or hospital school life, towards the formation of "a man of high character, able and willing to maintain the true dignity of a great profession, and to live up to the high ethical traditions of medicine; of good general education, of interest, activity, and some *savoir faire*. . . ."

Can this atmosphere of public-school life, duties, and responsibilities, together with hours spent in the reading of classical literature beyond those spent in scientific studies, be compared with the unguided and unguarded leisure-time of a student at a hospital school or a technical institution, say, in London?

This aspect of the question scarcely seems to need expansion, so we return to the former contention and would urge, at once, in the terms of Sir J. J. Thomson's Report, "that after the conclusion of the general course, physics, chemistry, and some systematic instruction in the nature of plant and animal life should form a serious part of the school curriculum of all candidates for the medical profession. We do not think it advisable that such pupils should be put into a class by themselves, as we believe that it would be possible so to improve the teaching of natural science in the last two years at a secondary school that candidates for the medical profession would enter on their vocational studies vastly better equipped than they are at present."

In our public-school training we claim to fit the boy for his after-life rather than his after-work, by teaching him to think by the inculcation in him of the love of thinking; we teach him how to draw aside the curtain of life so that he may not only inquire of Nature her secrets, but learn for himself how to find the answer. We ask that he be taught the beauties of language and of literature, steeped, if you like, in classic literature, but spared the intolerable grind and anguish of "mental gymnastics"; so will he reap the benefit in hours of quiet mental enjoyment and recuperation in later years, having created individuality as opposed to type, a right philosophy of life as against high but barren achievement.

* Sir J. J. Thomson's Report on "The Position of Natural Science in the Educational System of Great Britain." 1918. H.M. Stationery Office. Cd. 9011. 9d.

† "Some Notes on Medical Education," by Sir George Newman. 1918. H.M. Stationery Office. Cd. 9124. 9d.

It was suggested some little time ago by an eminent member of the medical profession that the time spent in studying botany, zoology, and chemistry might be considerably reduced by eliminating much that is not required in the future profession of the ordinary general practitioner.

Views such as this are based on a misconception of what is the teaching of these subjects in our schools to-day. Science, as taught in our schools to-day, is no longer a mere feat of memory, a string of facts relieved by a few startling experiments—it is no longer taught simply because it conveys useful information, cultivates observation, and reason, but because it familiarizes one with scientific method, the one method of approaching the truth by personal effort; it is connected with its principles and philosophy, its aims and methods, its history, literature and personnel: it is given a vitalizing touch, and all this in addition to its technicalities and applications.

Boys are brought quite early in their studies to the limits of knowledge and to the realities of their studies, thus developing at once their imagination and their inventive capacity or creative instinct.

Thus a boy in the higher forms of our schools learns to read the process of the evolution of science through the ages, becomes acquainted with, and accustomed to study critically, some of the writings and works of those who have built up the structure known as natural philosophy: his mind becomes critical, suggestive, eager after truth.

Can more than this be claimed for the methods and aims in schools and institutions which give a medical bias to the study of the preliminary sciences?

We claim that this is the natural function and work of our secondary schools to-day, and not solely of the Universities, hospital schools, polytechnics, and other technical institutions, and would urge that it become a definite policy to include these preliminary sciences in the pre-professional studies for medicine, and thus release time for the medical student to carry these subjects further, with special reference to bio-chemistry and such essentially medical applications of pure science.

The Royal Commission on University Education in London reported in 1913 that "the study of the preliminary sciences should not be included in the medical curriculum; that the undergraduates should not be admitted to the Faculty of Medicine in the University until they have received thorough instruction in the principles of pure science; and that, wherever it is possible, the best time and place for this instruction is the last two years of a good secondary-school course."*

The Regius Professor of Physic at Cambridge has stated that a considerable rise of standard had occurred since the medical student had been allowed to enter for the first professional examination immediately on going into residence.

Dr. Norman Moore, who, as an Inspector for the Con-joint Board of the Royal Colleges of Physicians and Surgeons, has visited a large number of schools, says that "chemistry, physics, and biology should be included in the secondary course taken by pupils intending to enter the medical profession; if a boy left school ignorant of the basic sciences, he could not find sufficient time to learn them thoroughly within the crowded curriculum of a medical student."

Sir George Newman closes his Report on this subject by four conclusions, of which the first is:

That the foundations of chemistry, physics, and biology for the medical student should be laid in the secondary school in a thorough grounding in inorganic chemistry, in mechanics and elementary physics, and in Nature study and botany . . . making it unnecessary for the student to devote any time at the medical school to the preliminary study of these basic sciences. In this way it will be possible both to unload the medical curriculum and yet give the student a better start than formerly.

Strong as this evidence is, we do not hide from ourselves the fact that there is a considerable opposition to these

* Final Report of Royal Commission on University Education in London, 1913.

views, but we assert that in our schools at the present time there is a persistent effort being made to pass into the medical profession a body of students who have formed the research type of mind, and have learned to practise individuality of thought, precision of expression, accuracy in observation and experiment, faculties developed under the close personal contact, guidance and encouragement of the school staff.

There is little space left for one other subject—the examinations. Here one is tempted to follow Frederic Harrison's lament: "wipe it out, and let us begin it all afresh," but as this is impossible one must follow the slow process of evolution in place of the rapid changes of revolution.

The earliest examinations must differ from the later in that the later examinations must be a definite test of a definite content of knowledge necessary for the practice of a specific profession.

Quoting Sir George Newman once more:

Their (examinations) influence is omnipresent and not seldom dominant; and in many cases they prescribe, restrict, and even nullify the course of education, bringing in their train all the pernicious influences and evils of the cramming system. . . . The vital and ultimate issue is not, Has this man passed such and such tests? but Is this man a competent and well trained practitioner? . . . It may well be that . . . a test, instead of being momentary, unequal, and hazardous, should be prolonged, equitable, and relatively certain in its application—a test comprising as its chief factor the whole training and record of the student throughout his course, the form and content of the curriculum, the work done, the preparations made, &c. . . . Such a test conducted by his teachers and an external assessor would alter the whole outlook of the student. . . .

In all examinations we would urge one thing more at whatever cost, the inclusion of school records alongside standardized examinations, and, wherever possible, personal interviews and reviews of the candidate and his school work by living examiners, not dead pedants—human beings, not fossils.

EDUCATION AT THE BRITISH ASSOCIATION.

UNDER the presidency of Sir Napier Shaw, the Educational Science Section at the Bournemouth meeting of the British Association, on September 9 to 13, rose to the level of its opportunities, and the measure of its success was indicated by the crowded meetings, the excellence of the papers read, the valuable discussions that followed, and the support accorded by the press.

The presidential address on "Educational Ideals and the Ancient Universities" dealt mainly with two outstanding demands in education at the present time: (1) a spirit of self-sacrifice in all affairs of educational life; (2) a simplification of the relationship between the older Universities and their constituent colleges.

Life, the President said, is based on sacrifice for some ideal of duty; there will be no reconstruction, and there can be no wholesome life for us or for anybody else, without the spirit of self-sacrifice. The preponderant influence of the older Universities on the character and success of the whole educational organization in the country makes it imperative that their ideals should be well defined and representative of the highest national aspirations. Owing to the complex and indeterminate nature of the relationship between the various authorities in these Universities, there is no recognized body, council, or committee that can be held responsible for, or that could claim to define the ideals which one may say should be the beacon lights for education throughout the country. There is no means of fixing corporate responsibility, and a perplexing veil of incomprehensibility shuts out all those who want things done in education, but who do not know the technicalities of the institutions. The crux of the problem lies in the independence of some twenty colleges which are separate corporate

educational institutions, and quite distinct from, although forming part of, the University—itself a corporate entity—the latter constrained by statutes and traditions handed down by our forefathers to look on in comparative impotence while their ideals are distorted or concealed by the interplay of the interests of the many corporations of which they are composed. This may be a small matter from some points of view, but it is that which prevents our great Universities from taking a leading part in exemplifying the ideals of a co-ordinated national system of education, and makes the success or failure of those great institutions something of the nature of a lottery.

Sir Quiller-Couch's paper on "The Teaching of English" was a powerful plea for a liberal education with English as its basis. He claimed that every man speaks and writes best in the language in which he thinks, and therefore for an English-speaking child English should never be taught as a special subject; and, being the natural medium of our children's thought, it ought to be the basis of every subject of instruction. We ought to demand of the plainest, most everyday speech that it be clear, expressive, accurate, graceful when possible, and at any rate decent, real English, not jargon. Considered thus, he did not think English adequately taught in our schools and Universities, and believed the obstacle to reform is the time-table. A quite inordinate amount of time is spent on two subjects of learning—mathematics and linguistics—since they are ancillary to the other three—literature, history, and natural science; the former two are abstract studies lacking the content of the latter, and employing terms alien to a child's thought. Until a child reaches the age of fourteen or fifteen, let him practise the language natural to his mind, and *one* other; practise English so that it be equally serviceable whether he specialize in literature, history, natural science, or aught else, practice reading, silent reading as well as reading aloud.

The gravest difficulty would be to find capable teachers. With few exceptions, they would never be found in narrow professional training colleges. Either send the prospective teachers to a genuine University, to rub minds with other youths destined for other walks in life, or so raise the salaries of our actual teachers that it will be worth a parent's while to invest on a child for a University degree even as he invests to get him qualified for Medicine or the Bar.

Mr. W. D. Eggar, in a paper on "The Teaching of English in relation to that of Science," claimed that the subject is as much the business of the science master as that of any other master, and in a way more so, as he is concerned with the live end of the language. He strongly urged reform in the curriculum of preparatory schools, in which a broader and more intelligent study of English should take the place of much of the mathematical and linguistic work. An interesting discussion followed, and clearly proved how widespread was the belief in the need for better and more intelligent teaching of English.

In opening a discussion on "Method and Substance of Science Teaching," Prof. H. E. Armstrong thought the Report on the Position of Natural Science in the Educational System of Great Britain had failed to impress anyone; it merely proved the necessity of the reconstruction of the Board of Education. The one feature of distinction in the Report was the recommendation that the basis of instruction should be broadened. The present neglect of geology was disgraceful in view of its importance in agriculture; the neglect of biology was suicidal. The method of science, the scientific outlook must be acquired if scientific knowledge was to be of any avail. A complete change of methods could alone give the opportunity required; the watertight compartments of subjects must be broken down and joined up afresh.

Sir Richard Gregory thought that science teaching in general is too narrow; there is insufficient attention to the broader aspects of natural knowledge and to scientific discovery and inventions as human achievements, and a failure to connect school work with the big applications of science by which mankind is continually benefiting. The substance of instruction has suffered from concentration upon method.

While strongly advocating the method of experimental inquiry and laboratory training, which would aim at training students to use it, he suggested that there should be also a broad general course of descriptive lessons and reading quite independently of the practical work.

In the discussion that followed, Dr. E. H. Griffiths hesitated to accept this divorce of lecture and laboratory work as sound or expedient.

Mr. Mangham asked for a closer co-operation between the lecturers in various branches of science at the Universities, and that the first year's physics and chemistry courses should include subjects of biological and technological importance.

Dr. Lilian Clark proved from statistics how science in girls' schools was being starved for want of time—two hours and less were given to science, whereas Sir J. J. Thomson's report recommended not less than one-eighth or one-seventh of the school time.

Miss Shove strongly urged the necessity of a thorough course in elementary chemistry and physics preliminary to a course in botany.

An afternoon was spent in a joint session with Section F (Economic Science) upon "Business in relation to Education."

Sir Herbert E. Morgan pointed out in his paper the real need of the country for educated men in directing business affairs—men educated in the right way, with technical training added to sound general knowledge and broad views.

Mr. C. R. Fay emphasized the value of University influence in commerce, labour, schools, and State, and claimed that a central school at the University for training men in all branches of economic science would co-ordinate effort and effect a rapid diffusion of new methods.

Mr. H. N. Sullivan thought young men entered business too early.

Prof. Oldham described the success of a Faculty of Commerce in Dublin University.

Sir Hugh Bell spoke of the good results following the appointment of University men, but said there were drawbacks because other men objected to their promotion being stopped in this manner.

The problems of "Continuation Schools" were dealt with by Sir Robert Blair, who, speaking from the point of view of the largest urban district, stated some conclusions in the form of desiderata—viz., (1) For the first two years (fourteen to sixteen) the education should, as a rule, be "general," and the second two (sixteen to eighteen) may have a bias—technical or commercial derived from the occupation. (2) Residence is the basis of obligation on the Authority. (3) The required eight hours per week may, as a rule, be most appropriately taken in two four-hour periods. (4) All subjects may be taught in one school, but not necessarily to all pupils. (5) It would be inadvisable, as a rule, to divide the four-year period between two schools—one from fourteen to sixteen, the other from sixteen to eighteen. (6) Schools may be mixed or separate in respect of the sexes. If mixed they should be really mixed, and not dual. (7) In the rural districts, and perhaps in some cases in urban areas, they may be "seasonal." (8) Continuation schools will be ends in themselves, but some boys and girls will use them as "stepping stones" to higher things. Interest is the key to the problem of instruction. The schools will be what the staff makes them—environment suggests numerous avenues to heart and mind. Interest is our means, and saving the world from materialism our objective. The direct work of the classroom is only the first line of operations; the extra classroom activities are no less important—libraries, clubs, games, and societies will attract the adolescent.

Mr. A. P. M. Fleming followed with a paper on "Works Schools." He showed that by the Act of 1918 the scope of these schools will be much extended, and, properly conducted, will have many educational advantages—e.g. close correlation between school work and the practical training in the works, effective introduction into the classroom of the spirit required in continuation-school teaching, developments in industry greatly facilitated (such as the selection for em-

ployment and promotion of workers, their systematic training more easily undertaken, harmonious relations between the management and workers ensured), while the training in practice of civic and economic principles will enable the worker to appreciate his share in the responsibilities of industrial life.

Mr. G. F. Daniell dealt with the problem in the rural schools, and showed that facilities for transport would have to be provided. He suggested that relations with village clubs and institutes should be close, and that local considerations should determine whether school one day a week for forty weeks in the year or a seasonal arrangement of attendance is preferable.

Mr. C. A. Buckmaster, referring to urban schools, said that the content of the curriculum was of secondary importance compared with the training of character. The teacher must have the greatest amount of liberty and provision made for the development of school societies and games.

Mr. J. S. Rainer presented the W.E.A. point of view: that, for efficiency and success, it is desirable for the school to be entirely independent of the "works." Employers should be represented on Advisory Committees, but not in control. It would be advisable to retain and absorb the works schools already established into the general system, distrust of the employing interest, as being almost entirely personal and mercenary, would prevent such schools from giving suitable and adequate education as provided for under the Act. Classes should not exceed twenty-five, provision should be made for medical and dental treatment, adequate provision be made for physical training, and the subjects of study be related to the interests of the pupils, and not determined merely by the needs of trades and industries.

Lord Malmesbury would gradually eliminate those unable to profit by the education provided by public funds, but would encourage and spend as much as possible on the best boys and girls.

Principal Maxwell Garnett urged that works schools should be encouraged under a system of inspection by large rather than by small Local Education Authorities.

Dr. Vincent Naser, of Copenhagen, submitted proposals for an "exchange of students" between Denmark and Great Britain, and suggested the formation of bureaux of international information in connexion with Universities.

Sir Richard Gregory spoke on the educational value of the cinema—not to make learning easy, but to awaken interest and assist imagination. A demonstration of what can be done in this direction was given by the Community Picture Bureau.

An interesting discussion on "Training in Citizenship" was opened by Bishop Welldon, who said something must be done through co-operation or co-partnership to create a fellow feeling between Capital and Labour. He hoped the schools would teach an enlightened patriotism, and that the children should be made to understand the dignity as well as the history of the Empire. Civic dignity was the lesson to be taught in the interest of citizenship.

General Sir Robert Baden-Powell followed with an eloquent appeal for the need of out-of-school training and environment as auxiliary to education for producing efficient and human citizens—applied to girls equally with boys. The method of training should be through active desire to learn from within rather than from passive reception of ideas from without. Scouting affords such a training: individuality is developed and harnessed for the betterment of the community. The wonderful success of the Boy Scout movement suggests that the most important duty of the schoolmaster is to discover what particular portion of his environment appeals most to each of his pupils, and to use that as the medium for inducing mental activity.

Miss E. P. Hughes spoke on the need of teaching citizenship, especially to girls, and Lady Shaw urged the necessity of selecting teachers not merely for their academic qualifications, but for their character.

In a valuable paper on "Fundamental Principles in Education," Prof. A. N. Whitehead based his argument on the dictum—all education is the development of genius; that the three factors of genius are the habit of action, the vivid

imagination and the discipline of judgment; that the function of criticism is the education of genius by the aid of knowledge. Knowledge and genius are the twin factors of effective personality; the true ultimate problem before the educator is how to impart knowledge so as to stimulate genius. A curriculum should start with obvious relevancy and progressively widen as the field of relevancy expands. Language is essential, its study has importance, relevancy, and the certainty of a large measure of success. You can only spoil its effect by one procedure, namely, by teaching a language which pupils can never acquire, will never want to use, and which is the vehicle of a literature whose relevancy is only immediately obvious to a mature mind. You must not go on to a dead language until a modern literature has gripped the imagination. Classical learning is the superstructure of a literary education, but not the foundation. Our literary education is blighted by the dead hand of Archæology.

Mr. F. S. Preston submitted a paper in which he emphasized the value of literary studies in the development of imagination and moral faculties. The highest education is the association with great minds, and possible for all through the medium of Literature and Art.

Prof. Marcus Hartog in a paper on the "Function of Examinations in Education" claimed that to the pupil examinations afford a training in independent thought, and teach the value of persistent concentration, terseness, and directness of expression. Where questions of wide range are set, both literary form and symmetrical logical order may be acquired and composition thereby better taught than even by the classical method of "narration from memory."

The final sitting of the section was occupied with two excellent papers on the present position of private schools, one by Mr. R. H. Hume, the President of the Private Schools Association, the other by Mr. Alex Devine, Head Master of Clayesmore School, Winchester.

Various reports by special committees were presented to the Section—that on the Free-place System, by Mr. C. A. Buckmaster and Mr. D. P. Berridge; that on Museums, by Mr. H. Bolton, and that on the Registration of Schools, by Lady Shaw.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

An enterprising and esteemed contemporary irritates us from time to time, we confess it, by referring to the continuation schools in England as if they were realities; whereas, in truth, they stand at present to Mr. Fisher in the relation in which Mrs. Harris stood to Mrs. Gamp—they are but the phantoms of an imaginative brain. Yet Sarah, even in her most irresponsible moods, never thought of arming a Nurses' Association with statutory powers to appoint a day for Mrs. Harris to materialize. To quit jesting, we ask when continuation is to be drawn down to the plane of real things. Will Mr. Fisher amend Section 10 of the Education Act? Every day must bring home to him some new defect in it. Those "works schools"—do they not show him that he has made no provision for securing that the part-time instruction to be accepted [10 (3) (ii)] as an equivalent for attendance of the continuation school shall be *genuine*? How can the Local Education Authority judge of efficiency where it has no power to inspect? It is a crucial point of the whole scheme. And whether Mr. Fisher decides to amend Section 10 or to proceed with it in its present form, the urgent question is—When? The Swedish Obligatory Continuation Act is dated May 8, 1918, only a few months earlier than our own, and Sweden expects to reap the full effect of it by the end of 1924. Sweden is looking to a *terminus ad quem*; England has not even a *terminus a quo*, and when the talk is of "results apparent a generation hence," men ask derisively—From when? Again, already some parts of America are ahead of us. In the State of New York, for example, the local Education Board may compel attendance of the continuation school, if one has been established. For the English Local Education Authorities obligatory continuation remains a menace or a hope.

The tendency in America is for the State Legislatures to avoid the odium of compulsion by merely empowering the local Boards to compel for themselves. The English Act relieves the Local Authority of the odium by fixing it on the Board of Education; whereas the Legislature itself should have accepted it. Let us pass, however, to another topic. We believe in Internationalism through Science, and we are looking to America to show the way. Pray consider from this point of view some activities of the Rockefeller Foundation (whose "Review" we have just received) in 1918. It (1) extended the campaign against tuberculosis in France; (2) conducted demonstrations of malaria control in Arkansas and Mississippi; (3) helped to check a yellow fever epidemic in Guatemala; (4) made investigations and surveys, and instituted measures against the same disease in Ecuador; (5) continued or began hookworm control and encouraged sanitation in twenty-one foreign States and twelve States of the Union; (6) co-operated in promoting improved public health organization in Brazil and Australia; (7) supported a School of Hygiene and Public Health in connexion with Johns Hopkins University; (8) continued to help financially various War-work agencies, until the total contributed since 1914 reached nearly 22,500,000 dollars; (9) pushed forward the fifteen buildings of a new medical centre in Peking; (10) increased the funds of twenty-four missionary hospitals, medical, and pre-medical schools in China; (11) co-operated with South American institutions in establishing certain departments of research and teaching; and (12) maintained sixty-eight "fellows" and scholars from the United States, China, and Brazil who were studying at American medical schools. It is the spirit of *co-operation* running through all this that interests us. And the agents of the Foundation carry with them everywhere not only remedies and aid in money, but also the impulse to research. A great linking up of the nations through science is foretokened.

We told last month how Johns Hopkins University was offering courses in "Business Economics." "Its University Circular," No. 5, 1919, enables us to fix the content of the term as understood in America.

A basis of instruction is found in political economy and the general laws governing the modern industrial world. Then experts teach the student about investments, about foreign trade, exchange, and tariff policies, and about the principles and different forms of insurance. Advertising and salesmanship, business English and book-keeping—for each of these four subjects a course is mapped out. But business is a social activity, so that it is necessarily connected with the problems of society. A general course on social ethics is devoted to a study of the age with respect to the true value of its institutions and processes in promoting human happiness and moral efficiency; for commercial gain is not an end in itself. Nor can the trader be indifferent to questions of social reform; hence the various panaceas (the single tax, socialism, philosophical anarchism, and syndicalism), extolled by those who would change radically the whole economic order are subjected to careful analysis. Lastly, labour (the place of labour as an economic factor, the justification and the forms of labour organizations, the change in the attitude of law towards labour) has a special course allotted to it. Sixty-four years ago Gustav Freytag, in "Soll und Haben," sought to cast over trade the glamour of romance; Johns Hopkins exalts it by setting it in its fit place among the human activities that make for progress, and showing it as no less honourable than the rest if honourably pursued.

It is pleasant to know that the Germans still read Freytag.

When the French took possession of Strasbourg, they found in the library of the Kaiserliches Evangelisches Lehrerinnenseminar a new edition of his principal works—still in the packings; for the Germans had gone in haste. Will the Americans return to the reading of Freytag and to German in general? The attitude of some of the larger cities towards the question is illustrated by the Report of the Superintendent of Schools, Portland, Oregon, in which he writes:—"We confidently trust that a time is near at hand when all nations will be united in a compact of enduring peace; and when such a time comes we all shall need to know the languages of other nations. The boys and girls in the high school will be the leaders of the coming age. They must be prepared to meet the requirements at that time. Spanish must be learned, French must be learned, German must be learned, and learned with more enthusiasm than ever before." Pray observe that this is American opinion, not ours; nor do we represent it as the universal American opinion. Certain it is that German-born teachers of German will be less in demand. Says the official *School Life* (ii, 11):—"In the past we have erred by leaving the teaching of foreign languages too much to teachers native to the countries whose language they teach. In the future we shall be careful not to make the mistake.

Internationalism through Science.

What are "Business Economics"?

German in the United States.

we made in the teaching of German. We shall put the teaching of foreign languages more largely into the hands of American-born teachers." Returned soldiers and sailors are advised to equip themselves for such tasks.

The Thirteenth Annual Report of the Carnegie Foundation for the Advancement of Teaching relates mainly to insurance and the contributory system. It tells of the founder's optimism, his faith in human progress, his sincere desire to do the best with

the great fortune that he had acquired. What was written as a tribute to the living may serve as an epitaph. It is proper for us to commemorate in Andrew Carnegie a discerning and bountiful friend of education.

FRANCE.

In England there are afloat certain proposals to obliterate all distinction between primary and secondary education. Germany has its movement towards the *Einheitsschule*. At the risk of repeating something of what we have said before, we must particularize the great scheme of national education for France set forth by the society called "les Compagnons," lest haply some realization should condemn our reticence. The four great points of the society are these: (1) Every intelligent Frenchman has in justice the right to *instruction intégrale*, to complete education, primary, secondary, and higher; (2) education through all the three stages should be absolutely free; (3) a leaving examination (with a *diplôme d'études primaires* as its sanction) at the termination of primary studies should be imposed on all schools, which examination would at once eliminate the unfit and select the fit for the higher service of the nation; and (4) there should be an *école unique*: that is to say, there should be a uniform programme of primary studies for all children—a programme to be followed by all schools, State and non-State.

With regard to the second of these points, Catholic France contends that it were wrong to discharge the family from one of its chief duties, and all France must foresee great embarrassment for the Public Treasury under the new burden that free education would impose. As to the general principle of uniformity, English opinion has always hitherto been against the impressing of one rigid mould on all schools of the same order. But with whatever programmes of instruction, and under any organization, we must apply continually and with more pressure the doctrine of the sieve, which, as it seems, the Compagnons would apply but once. The primary school, to be efficient, must exclude the abnormal child. Every secondary school must be free to refuse or to eject those who are incapable of profiting by the instruction that it offers, and the power to do so should be exercised more relentlessly than in the past. Universities, too, should sift with greater severity. "By education," says an authority, "we mean the training of a man with a view to make him *all that he can become*." The just right of the Frenchman, or of the Englishman, is not to *instruction intégrale*, but to an education adjusted to his capabilities. Owing to the imperfection of our sieves, or a neglect to use them, we have curates who should have been blacksmiths, and poets who as colliers would have got us the coal.

We read lately that the French language was "the resultant of two forces—Hellenism and Romanism": and France is held by the French to be the sacred hearth of Classicism. To-day toward both Greek and Latin there is much lip service there. But what are the young actually studying? The results (just tabulated) of the Baccalauréat Examination, first part, Oct.-Nov. 1918, will show us:—

Section	Candidates examined.	Passed.
Latin-Greek	1,230	552
" Latin-Modern languages	2,173	959
" Latin-sciences	1,988	923
" Sciences-Modern languages ...	1,696	689

It will be seen that of 7,087 candidates less than 8 per cent. qualified in the section for which Greek is required. Some of the *académies* (administrative divisions) supplied only 30 or 40 candidates for the section, and to no candidate was the mark "Très bien" assigned.

Whilst there are Frenchmen (and Englishmen) who would thrust leaden soldiers from the nursery as begetters of bloodthirstiness, here is the Ministère de l'Instruction publique (*Bulletin Administratif*, No. 2384) approving fencing, prescribing the manner of teaching

(Continued on page 676.)

"The work that is true to its title."

THE WORLD WE LIVE IN

An Illustrated description of the Lands and Seas of the Globe, and their Peoples, Animals, Plants, and Products, compiled to cohere

The Teaching of Geography

and

The Teaching of History.

The TIMES says: "This work is true to its title. It is a vivid presentment of man and his domicile under the most varying conditions."

A Few of the Sections.

INTRODUCTION
HOW GEOGRAPHY AFFECTS HISTORY
THE MAKING OF THE EARTH
THE EVOLUTION OF THE OCEANS AND CONTINENTS
THE DISTRIBUTION OF MINERAL WEALTH
THE DISTRIBUTION OF PLANTS
THE DISTRIBUTION OF ANIMAL LIFE
THE DISTRIBUTION OF MAN
OCEAN CURRENTS AND TIDES
CLIMATE AND WEATHER
TRADE & TRANSPORTATION
MAPS AND MAP READING
THE ORIGIN OF LAND FORMS AND SCENERY
THE PACIFIC OCEAN and its ISLANDS
AUSTRALASIA AND ITS INHABITANTS
NEW GUINEA AND THE PACIFIC BORDER ISLANDS OF AUSTRALASIA
NEW ZEALAND.
AUSTRALIA
THE PHYSICAL GEOGRAPHY OF AFRICA

THE FLORA AND FAUNA OF AFRICA
ECONOMIC PRODUCTS OF AFRICA
AFRICAN COMMUNICATIONS
DISTINCTIVE REGIONS OF AFRICA
THE UNION OF SOUTH AFRICA
THE FUTURE OF AFRICA: ITS ECONOMIC PROBLEMS AND POSSIBILITIES
ANTARCTICA: THE LAND OF THE SOUTH POLE
THE PHYSICAL GEOGRAPHY OF NORTH AMERICA
FLORA AND FAUNA OF NORTH AMERICA
MINING IN NORTH AMERICA
NORTH AMERICAN COMMUNICATIONS
THE PEOPLE OF NORTH AMERICA
THE UNITED STATES OF AMERICA AND ALASKA
CANADA & NEWFOUNDLAND
MEXICO
CENTRAL AMERICA, THE PANAMA CANAL, AND THE WEST INDIES
THE ATLANTIC OCEAN

A Few of the Famous Contributors.

Sir HARRY H. JOHNSTON, G.C.M.G., K.C.B., D.Sc.
Prof. LIONEL W. LYDE, M.A., F.R.G.S., F.R.S.G.S.
ROBERT J. FINCH, F.R.G.S., &c., &c.
Prof. GRENVILLE A. J. COLE, M.R.I.A., F.G.S.
JOHN DERRY, J.P.
L. M. PARSONS, F.G.S., B.Sc.

FREE.

An interesting book on the new Teaching of Geography with History, which also explains all about "The World we Live in."

Send for it now

TO THE WAVERLEY BOOK CO., Ltd. (J.E.L. Dept.),
7, 8, & 9 Old Bailey, London, E.C. 4.

Please send me a Presentation Copy of "NEW LESSONS IN GEOGRAPHY," together with Free Booklet on "THE WORLD WE LIVE IN."

NAME.....
(Send this form or a post card.)

ADDRESS.....

It is understood that I am under no obligation to order anything, having accepted this Free Offer of Booklet.
J.E.L. 1919.

Telegrams: "Educational, Cent. London."

Telephone: Central 3480.

EVERYTHING EDUCATIONAL

FOR PUBLIC AND SECONDARY SCHOOLS.

STATIONERY, REQUISITES, FURNITURE.



EXERCISE BOOKS.

Superior Paper. Artistic Style.
Exceptional Value.

Price 41/8 per gross.

Containing 72 pages; bound in limp cover with artistic tinted label, which can be printed with name of School if required. The books are supplied in various rulings.

We stock Exercise Books in all qualities and prices ready for immediate orders.

NATURE NOTE BOOKS.

Nature Note Books—the best and most complete series issued—made of excellent writing paper, interleaved with superior cartridge paper, and strongly bound—at 80/- per gross and upwards.

SCIENCE NOTE BOOKS.

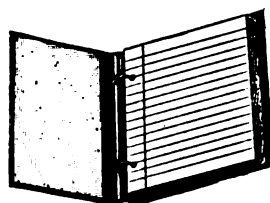
The most accurate series issued. In various Rulings, including $\frac{1}{10}$ and $\frac{1}{8}$ in., $\frac{1}{16}$ and $\frac{1}{32}$ in., millimetre and centimetre, 2 mm. and 2 centimetre, at various prices.

Graph Papers in all Rulings.

A TRANSITION CATALOGUE

giving particulars of Exercise Books, Drawing Books, Examination Paper, and every School Requisite will be sent free on application.

LOOSE-LEAF BOOKS.



The Century Patent Loose-Leaf Binder is a superior stiff cloth bound cover, which opens quite flat; the loose leaves held in position by two ring wires, which are opened or shut by moving lever thumb piece up or down. Made in two sizes.

Quarto ($8 \times 10\frac{1}{2}$ in.), each 2/6.

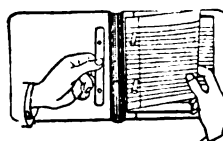
Sixmo ($6\frac{1}{2} \times 8$ in.), each 2/3.

Paper ruled faint and margin to fit binder, in packets of 80 sheets,

Quarto ($8 \times 10\frac{1}{2}$ in.), per doz. pkts., 12/-.

Sixmo ($6\frac{1}{2} \times 8$ in.), per doz. pkts., 8/-.

FLAT FILES.



Several styles and sizes in stock.

Prices from 41/6 per 100.

FILING BLOCKS.

For use with above.

Sixmo, size $8 \times 6\frac{1}{2}$, 75/- per 100.

Quarto, size $10\frac{1}{2} \times 8$, 110/- per 100.

Foolscap, size 13×8 , 145/- per 100.

Various Rulings.

OWEN'S SCHOOL JOURNAL.

By J. EASTERBROOK, M.A.

The most popular Pupils' Journal. Arranged for a 5 or 6 days' week. Boys or Girls. One Term, 6/8 doz. Three Terms, 18/- per doz.



THE STANTON DESK

and every kind of School Furniture and Fittings are manufactured by our Stevenage Works, including Esavian Patent Folding Doors, Windows and Partitions, Physical and Chemical Laboratory Fittings, Cupboards, Lockers, Carpenters' and other Technical Benches, Museum Cabinets, Masters' Tables, &c., &c.

Our Works are fully occupied for at least 2 months with orders in hand, and work must be executed in rotation; consequently orders should be placed at once for furniture that may be required for the January term.



SIMPLEX MARK JOURNAL.

An excellent form of Pupils' Journal. The marks are entered by the pupils themselves. No extra work for the Class Master or Head. The records made promote keenness, neatness, and punctuality among pupils, and are of the greatest value to the school and parents. For Boys' and Girls' Schools. One Term, 4/- per doz. Three Terms, 10/- per doz.

O.M. PREPARATION BOOK.

An excellent book for Private and Secondary Schools. One Term, 4/- per doz.

TEXTBOOKS, MAPS, and DIAGRAMS.

The despatch and accuracy of our Book Department are exceptional. We carry the largest stock of Educational Books in London, and urgent orders are dealt with by our trained staff of assistants on receipt.

CATALOGUES, EXPERT ADVICE, and ESTIMATES FREE.

EVERYTHING FOR SCHOOLS
THE EDUCATIONAL SUPPLY ASSOCIATION LTD
STEVENAGE HOUSE, 40-44 HOLBORN VIADUCT, LONDON, E.C.

it, and instituting a *certificat d'aptitude à l'enseignement de l'escrime* (higher grade). Fencing is to be taught in *lycées* and *collèges* by certificated *maîtres d'armes*, assisted, if need be, by *maîtres adjoints*, placed under their direction and authority. It is from among these assistant instructors that the higher grade *maîtres d'armes* are to be chosen by means of an examination held at Paris every other year. The oral test consists of questions on the place of fencing in physical education, on the mechanism and harmony of the movements involved, and so forth. The practical tests comprise one lesson given to a beginner, one lesson to another competitor, and fencing bouts for pairs of competitors. We would not bring down on our heads the wrath of the pacific by recommending martial forms of education; yet we dare to think that no physical exercise makes so much as fencing for suppleness of body and grace of bearing. And the Englishman who would ruffle it in France without having learned to fence we would remind of the hint that M. Jourdain gave to the dancing-master:—"Etes-vous fou de l'aller quereller, lui qui entend la tierce et la quarte, et qui sait tuer un homme par raison démonstrative"; for the pupils of *lycée* and *collège* are henceforth to be trained by these picked *maîtres d'armes*. The Examining Board to select them will be constituted of one inspector of the Académie de Paris, one head master, one medical officer of a Paris *lycée*, with four past *maîtres d'armes*, and the Ministry itself will deliver the certificate.

M. Anatole France has been described as the intellectual son of Renan; he is also the cousin-german of Voltaire; and La Béchellerie, near Tours, where he lives, is his Ferney. When the Congrès des syndicats d'instituteurs met lately at Tours he was invited to address it, and his discourse has been read throughout France with lively interest. The key-note was this: "Brûlez! brûlez tous les livres qui enseignent la haine! Exaltez le travail et l'amour! Formez-nous des hommes raisonnables, capables de fouler aux pieds les vaines splendeurs des gloires barbares et de résister aux ambitions sanguinaires des nationalismes et des impérialismes qui ont broyé leurs pères." M. Anatole France preaches the cosmopolitanism of the eighteenth century. It is made a reproach to him that he delivered to French teachers a speech in which there was no France—a speech that might have been delivered almost without change to German teachers (*L'Ecole et la Vie*, ii, 49-50). A fine gospel he proclaims and wisely he bids us not to wallow in self-injurious hate; but "nationalisms and imperialisms" are not to be wiped out in a moment with the sponge of rhetoric.

We wrote last month that a Chair of Spanish was to be created at Toulouse; the *Bulletin Administratif*, No. 2381, announces that the Chair of the Spanish Language and Literature in the University of Toulouse is to be filled. French Universities show a tendency to grant diplomas after brief studies. Thus, for the new *diplôme élémentaire d'études italiennes* at Lyon one year of *scolarité* is enough; and a year is to be the normal duration of study for the *diplôme des mathématiques de l'ingénieur* at Besançon. Industrial chemistry is receiving much attention in France both at the Universities and in private institutions.

GERMANY.

Oh! it is galling to the Germans that the Rhein-Armee, or Army of the Rhine, is a foreign army of occupation, which publishes a daily paper, *The Cologne Post*, in the Marzellenstrasse, almost under the shadow of the Kölner Dom. That army is interesting itself in its own education. Not long ago Mr. Churchill paid a visit of inspection to the Army General and Commercial College in the Hansaring; and by what he said *The Cologne Post* (No. 123) is led to hope that the Army Council is giving immediate and earnest attention to the general education of the army. Already much has been done at Köln; and for such bread-winning subjects as agriculture, engineering, banking, book-keeping, and commercial arithmetic there is a keen demand among the soldiers. The War proved the need of an educated army; and in many cases military service has proved a training for the arts of peace. The problem is now to foster and develop what has been learned on the Rhine or in military schools elsewhere. Demobilization should not bring with it a loss of the newly awakened intellectual interests. It seems now that a War Office scheme will enable the military students to continue their studies.

CAPE OF GOOD HOPE.

Perhaps the most important event of the summer was the
(Continued on page 678.)

PITMAN'S



BOOKS.

FRENCH.

THE PROGRESSIVE FRENCH GRAMMAR.

By F. A. HEDGECOCK, M.A., D. Sc. L., of the University of Paris. The author is a well-known authority on the subject, and the method is a combination of the direct with the indirect. In crown 8vo, cloth, 498 pp., 5/6 net. Also in Paris: Part I, 3/6 net; Part II, 2/6 net. Key, 3/6 net.

FRENCH FOUNDATION BOOK OF VERBS, ACCIDENCE, AND SYNTAX.

By the same Author. In crown 8vo, 91 pp., 1/- net.

FRENCH VOCABULARIES AND IDIOMATIC PHRASES.

By E. J. KEALEY, B.A. Intended to make the student think and express his thoughts in French. In crown 8vo, 151 pp., 2/- net.

BOOK-KEEPING.

BOOK-KEEPING FOR BEGINNERS.

A first course in up-to-date Book-keeping. With Answers and Exercises. In crown 8vo, 148 pp., 1/6.

THE ELEMENTS OF BOOK-KEEPING.

By W. O. BUXTON, A.C.A. This book is fully explanatory. In crown 8vo, cloth, 157 pp., 1/6 net.

ART.

DRAWING AND DESIGN.

By SAMUEL CLEGG. With a foreword by WILLIAM ROTHENSTEIN. A School Course in Composition. 230 pp., profusely illustrated with Coloured Plates. 10/6 net.

THE ART OF PAINTING IN PASTEL.

By J. LITTLEJOHNS, R.B.A., and L. RICHMOND, R.B.A. With a Frontispiece and Foreword by FRANK BRANGWYN, A.R.A. In demy 4to, cloth gilt, with 40 full-page Coloured Plates and 15 other Illustrations, 12/6 net.

READING BOOKS.

THE WANTS OF MAN.

By T. H. BOWTELL, M.A., B.Sc. (Econ.), M.Ed. A simple introduction to the problems of Economic Science. A very suitable reader in view of the urgent need for a knowledge of the subject at the present time. In crown 8vo, cloth, 209 pp., 2/6 net.

THE TRIUMPH OF MAN.

An account of the work of man during the Twentieth Century. Cloth, 248 pp., with 130 Illustrations, 2/- net.

NEEDLEWORK.

EMBROIDERY AND DESIGN.

By JOAN H. DREW. A book that will arouse new interest in the subject. The designs are the right size for tracing and working. Cloth, 115 pp., 82 Illustrations and Diagrams, 3/- net.

DRESS CUTTING AND MAKING.

By EMILY and MARION WALLBANK. For the Classroom, Workroom, and Home. Cloth, 271 pp., 265 Illustrations and Diagrams, 5/- net.

ENGLISH.

ENGLISH GRAMMAR AND COMPOSITION.

By W. JAYNE WESTON, M.A., B.Sc. The object of this book is to make the subject as interesting as possible. In crown 8vo, cloth, 320 pp., 3/6 net.

ENGLISH FOR TECHNICAL STUDENTS.

By F. F. POTTER, M.A., B.Sc. An interesting and useful book teaching how to write free and correct English. In crown 8vo, cloth, 110 pp., 2/- net.

Write for Descriptive Leaflets of any of the above books
that interest you to

SIR ISAAC PITMAN & SONS, Ltd.,
1 Amen Corner, London, E.C.4.

From Mr. EDWARD ARNOLD'S List.

A NEW SERIES OF PEDAGOGICAL WORKS, THE EARLIER VOLUMES OF WHICH WILL BE ISSUED IMMEDIATELY.

The Modern Educator's Library.

GENERAL EDITOR: Professor A. A. COCK.

The present age is seeing an unprecedented advance in educational theory and practice; its whole outlook on the ideals and methods of teaching is being widened. The aim of this new series is to present the considered views of teachers of wide experience, and eminent ability, upon the changes in method involved in this development, and upon the problems which still remain to be solved, in the several branches of teaching with which they are most intimately connected. It is hoped, therefore, that these volumes will be instructive not only to teachers, but to all who are interested in the progress of education.

Each volume contains an index and a comprehensive bibliography of the subject with which it deals.

Education: Its data and First Principles. By T. PERCY NUNN, M.A., D.Sc., Professor of Education in the University of London. Cloth, 6s. net.

The Teaching of Modern Foreign Languages in School and University. By H. G. ATKINS, M.A., Professor of German in King's College, University of London, and H. L. HUTTON, M.A., Senior Modern Language Master at Merchant Taylors' School. Cloth, 6s. net.

Moral and Religious Education. By SOPHIE BRYANT, D.Sc., Litt.D., late Head Mistress of the North London Collegiate School for Girls. Cloth, 6s. net.

The Child under Eight. By E. R. MURRAY, Vice-Principal of Maria Gray Training College, and HENRIETTA BROWN-SMITH, LL.A., Lecturer in Education, Goldsmiths' College, University of London. Cloth, 6s. net.

OTHER VOLUMES ARE IN PREPARATION.

ENGLISH.

English Narrative Poems. With Introduction by Sir HENRY NEWBOLT. 2s. 6d.

Selections from English Literature. Edited by ELIZABETH LEE. In four books, carefully graduated. Illustrated. Books I and II, each 256 pages, 2s. 6d. Books III and IV, each 320 pages, 3s.

Epochs of English Literature. By J. C. STOBART, M.A., formerly Lecturer in Ancient History at Trinity College, Cambridge. In 9 vols., 2s. 6d. each. I, The Chaucer Epoch, 1215-1500. II, The Spenser Epoch, 1500-1600. III, The Shakespeare Epoch, 1600-1625. IV, The Milton Epoch, 1625-1674. V, The Dryden Epoch, 1660-1700. VI, The Pope Epoch, 1700-1750. VII, The Johnson Epoch, 1742-1798. VIII, The Wordsworth Epoch, 1798-1830. IX, The Tennyson Epoch, 1830 to present day.

Kenny's Composition from English Models. Book I, 1s. 8d. Book II, 2s. 6d.

Essay Writing. By G. KENDALL, M.A. 2s. 6d.

HISTORY AND GEOGRAPHY.

A Social and Industrial History of England. By Dr. F. W. TICKNER, D.Lit., M.A., B.Sc. (Econ.) London. Illustrated, 7s. 6d. Also in Three Parts, 3s. each.

A History of England. By Prof. C. W. OMAN, M.P. 760 pages, 7s. 6d. In Two Parts, 4s. 6d. each: Part I, from the Earliest Times to 1603; Part II, from 1603 to 1902. In Three Divisions: Division I, to 1307, 2s. 6d.; Division II, 1307-1688, 3s. 6d.; Division III, 1688 to 1902, 4s.

Outlines of European History, 1814-1914. By G. BURRELL SMITH, M.A., Assistant Master at the Royal Naval College, Dartmouth. With Maps, 3s. 6d.

Scenes from European History. By G. B. SMITH, M.A. 2s. 6d.

The Last Century in Europe, 1814-1910. By C. E. M. HAWKES-WORTH. 7s. 6d. net.

A General History of the World. By OSCAR BROWNING. 700 pages. 7s. 6d. net. Also in Three Parts with separate indexes, 3s. 6d. net each. Part I, Ancient History; Part II, Medieval History; Part III, Modern History.

A Class Book of Geography. By A. W. ANDREWS, M.A. F.R.G.S. Cloth, 7s. 6d. A systematic text-book for Upper Forms, based on the study of Physical features. Interesting Original Diagrams are freely employed.

Arnold's Junior Geography. By W. M. CAREY, M.A., B.Sc. Cloth, 1s. 8d.

Outlines of Physiography. By the late Prof. A. J. HERBERTSON. Fully illustrated. 4s.

MODERN LANGUAGES.

First Lessons in French. By M. BAGULEY. With illustrations. 2s. 6d.

Arnold's Modern French Course. By H. L. HUTTON, M.A. Book I, 2s. 6d.; Book II, 3s.

Grammaire Française. A l'Usage des Anglais. Par E. RENAULT, Officier d'Académie; Lecturer in French at the University of Liverpool. 5s.

Petite Grammaire Française. By E. RENAULT. 2s.

Exercises in French Grammar. By E. RENAULT. 2s.

Junior French Reader. By E. RENAULT. 2s.

French à la Française. By Lady BELL and Mrs. TREVELYAN. Cleverly illustrated. Book I, 10d.; II and III, 1s. each.

Poèmes Choisis. A Book of French Poetry. Selected and Edited by R. L. A. DU PONTET, M.A. 2s. 6d.

Arnold's Modern German Course. By Dr. F. W. WILSON. 3s. 6d.

First German Prose Composition. By Dr. F. W. WILSON. 2s.

Second German Prose Competition. By Dr. F. W. WILSON.

A Spanish Course. By E. A. WOOLF. 5s.

A First Spanish Book. By H. J. CHAYTOR, M.A. 3s.

SCIENCE AND MATHEMATICS.

Inorganic Chemistry for Schools. By W. M. HOOTON, M.A. 5s.

Elements of Inorganic Chemistry. By the late W. A. SHENSTONE, F.R.S. 6s. 6d.

Outlines of Inorganic Chemistry. By Dr. E. B. LUDLAM. 5s.

Electricity and Magnetism. By C. E. ASHFORD, M.A., Head Master of the Royal Naval College, Dartmouth. 4s. 6d.

Elements of Geometry. By Dr. R. LACHLAN and W. C. FLETCHER, H.M.I. 3s. 6d.

Practical Trigonometry. By H. C. PLAYNE, M.A., and R. C. FAWDRY, M.A. 3s.

A School Arithmetic. By A. C. JONES, Ph.D., and P. H. WYKES, M.A. 5s. 6d. Parts I-III, 2s. 6d. each.

The Inductive Arithmetic. By E. SANKEY. Pupils' Books, I-III, 4d. each; IV, V, VI, VII, 6d. each. Class Teachers' Books, with Answers, Notes on Method, and Oral Exercises. Books I-III, 1s. 6d. each; IV-VII, 2s. each.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.1.

Education of Natives.

appointment of a Commission for the purpose of formulating a scheme for native education, including industrial training, and more particularly:—(a) to review generally the present condition of native education in the Cape Province, and to take due cognizance of the reports of previous Government Commissions, and of such evidence as has been collected by the Department on the subject; (b) to submit recommendations in regard to the control and organization of native schools—primary, intermediate and secondary schools, training schools, industrial schools and agricultural schools; and (c) to submit recommendations in regard to the training of native teachers, and in regard to the curricula for the different types of native schools. Among the members of the Commission is The Chief Morelane, Paramount Chief of Eastern Pondoland.

UNIVERSITIES AND SCHOOLS.**WALES.**

This Library was founded by Mr. Gladstone in 1889, when he transferred about 27,000 volumes from his private library to a temporary building. Afterwards a sum of £30,000 was set aside to provide permanent buildings and to extend the scope of the Library. The present premises were erected as a national memorial to Mr. Gladstone, and the Gladstone family have also added a hostel capable of accommodating about twenty residents. The trustees now offer ten studentships to teachers in elementary and secondary schools in Wales and Monmouthshire, for the year 1920. These studentships entitle the holders to free board and lodgings for three consecutive weeks, as well as to third-class railway fares, and, as the number of applications greatly exceeds the number of studentships available, it is advisable that application should be made without delay for them. The Library at present has about 50,000 volumes, and therefore the student will have access to a great deal of most valuable material.

Several Education Committees have again revised their scales of

Salaries.

salaries, but the differences between the scales for the different counties are still very marked, and it is difficult to account for them. In Montgomeryshire, for instance, the scale for men is from £100-£240, whereas in the adjoining county of Brecon it runs from £120-£300, though the conditions in the two areas are very similar. Glamorgan has considerably improved its scale, and it will probably be regarded as satisfactory. Head masters' maxima vary from £385 to £460, according to the grade of the school; the corresponding figures for head mistresses being £308 to £368. In higher elementary schools the minimum salary for a head teacher will be £350 and the maximum £510. The Association of Secondary Teachers in North Wales has issued a circular to all the Education Committees asking them to adopt the departmental scale of salaries at least. Salaries in North Wales are very low compared with those paid in South Wales, and it is therefore to be hoped that this appeal will be treated sympathetically. The circular urges upon the authorities a minimum of £600 for head masters, which is the sum also advocated by the Welsh County Schools Association.

The Board have again published the results of the annual examinations with commendable promptitude, so that Education Committees and pupils will be in a position to make all their arrangements for the coming session without difficulty. For

the first time in the history of the Board's examinations several schools submitted no candidates for the Junior Examination, and it will therefore be interesting to find out what effect this change of policy will have on the general standard of the work in these schools. It is usually claimed that the abolition of the Junior Examination makes for elasticity and efficiency, and that it will also tend to prolong the school life of the pupil. But it will not of course, be possible to pronounce definitely upon these claims until the system has been in operation for two or three years. The Welsh Department have been a strong advocate of the policy of reducing school examinations, and their reports have, no doubt, influenced many educationists.

The Central Welsh Board have introduced another new feature into their examinations this year by requesting the schools to supply them with the order and their marks gained in each subject

(Continued on page 680.)

UNDERWOOD LANTERN SLIDES

FROM OVER 300,000 ORIGINAL
COPYRIGHT NEGATIVES, ILLUSTRATING EVERY SCHOOL SUBJECT.

SCIENCE, INDUSTRY, TRAVEL.

New Subjects constantly added.

State your needs to—

UNDERWOOD & UNDERWOOD, Ltd., 104 High Holborn, W.C. 1.

BOOKS

On Educational,
Scientific, Medical,
Law, Theological and
ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants. Books Bought.

W. & G. FOYLE, Ltd., 121/125 Charing Cross Road, London, W.C. 2.

"THE JOURNAL OF EDUCATION
AND SCHOOL WORLD,"

MARCH and MAY 1919.

One Shilling each offered for copies in fair condition.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

ARE YOU USING UNDERWOOD SCIENTIFIC STEREOGRAPHS?

They are of real service in the **Visual Teaching** of

**GEOMETRY, BOTANY,
GEOGRAPHY, ZOOLOGY.**

and kindred subjects.

Any School Text-book can be used.

Underwood Stereographs enable the Scholar to "See Nature with fresh eyes." Not mere pictures—but vivid vital reproductions of real places and objects, serving the same purpose as actual travel.

It is worth a post-card to inquire—

UNDERWOOD & UNDERWOOD, Ltd., 104 High Holborn, W.C. 1.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Paidologist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE),
13 PATERNOSTER ROW, LONDON, E.C.4.

THE "POSITIVE" ORGAN IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.

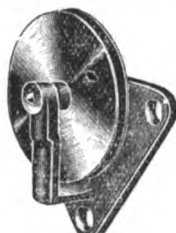
Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

PULLEYS AND **PULLEY BLOCKS** FOR THE **Mechanical Laboratory**

A large number of well designed and well made Pulleys will be available at an early date.



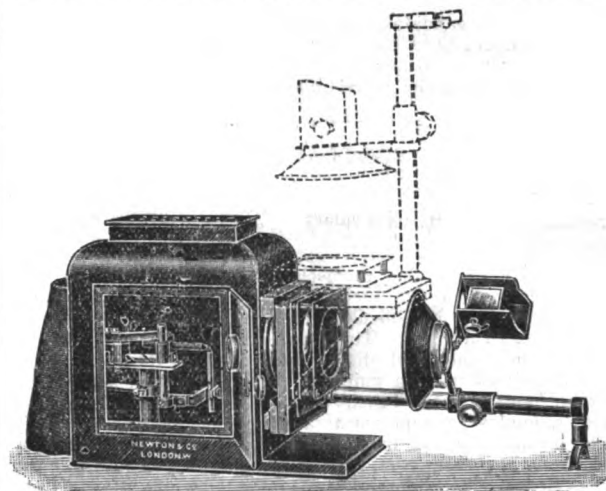
2900

They are accurate and sensitive, and will remain serviceable for many years.

Requisitions should be made without delay to secure delivery.

G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.
London Office: 231 Strand, W.C.2.

OPTICAL LANTERNS AND SLIDES for use in **COLLEGES, SCHOOLS, and other** **EDUCATIONAL INSTITUTIONS.**

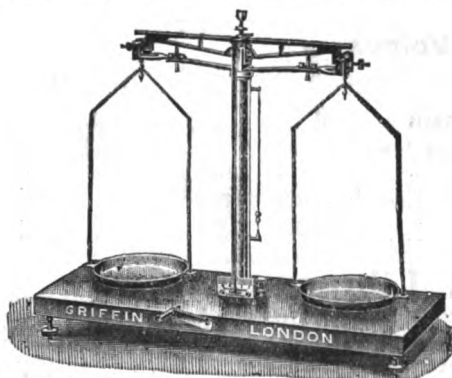


SCIENCE LANTERNS for
LECTURES and DEMONSTRATIONS.
NEWTON & CO.

(Established over 200 years).

72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.
KEMBLE STREET,
KINGSWAY, LONDON, W.C.2.
MAKERS OF PHYSICAL AND
ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES
MANUFACTURED BY
GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLENKAMP
—& Co., Ltd.—

19-21 SUN STREET
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

We shall be glad to have your inquiries for **GRADUATED APPARATUS** such as Cylinders, Flasks, Pipettes, Burettes, Nitrometers, &c., which we are now turning out in our newly inaugurated Department under a skilled staff, and with the latest approved methods and machines. Your orders would receive our best attention.

"They are well-made articles, and appear to be quite as suitable for laboratory work as the apparatus formerly obtained."—NATURE.

Descriptive Circular No. 199 post free.

Telephone—LONDON WALL 1404 & 1405.

Telegrams—"GALLENKAMP, FINSQUARE, LONDON."

during the school year—on the lines of the examinations conducted by the Scottish Education Department. In theory, no doubt, it is very desirable that the schools should co-operate with the examiners to a certain extent, but it is not clear whether the lists supplied this year constitute the best method of co-ordinating school work with the examination, for schools estimate their pupils' work during the term on different systems, though most probably the bulk of the marks is given for homework in every school. We understand that, in the examinations conducted by the London University, marks are not required; and that the schools simply classify the candidates as "good," "fair," "poor," &c., and, in our opinion, the Central Welsh Board would receive more guidance if they were to ask for similar reports from our schools instead of insisting on the individual marks.

SCOTLAND.

The topic which has been foremost in the minds of all concerned with education in Scotland during the past month has been the Education Department's salary scales. What the Education Authorities who find themselves confronted with the task of raising more money to meet the increased salary bill think about the matter, it is difficult to say with certainty, but it is possible to hazard a guess. The more enlightened, though rather unhappy at the thought of the fresh burden on the rates, have accepted the situation in a quite generous spirit, and are willing to do their best to satisfy their teachers. The others have also accepted it, but as an unpleasant necessity, and will probably try to avoid paying a penny more than they are compelled to pay. The teachers, for their part, so far as can be judged from the scanty evidence yet available, are, on the whole, fairly well pleased; and considering that, according to a trustworthy estimate, the total salary bill for Scotland will now be well over five millions—fully twice what it was in 1914—they would seem to have good cause to be so. At the same time, it would be useless to deny that there is deep discontent in certain quarters. The rural teachers, almost to a man and a woman, are satisfied, because the scales generally represent a very great advance on salaries which have hitherto been scandalously low. But it is different in the big towns and cities, especially in the west, where previous salaries

have been, comparatively speaking, good. As the teachers in large centres are more articulate than their country brethren, it is not improbable that a good deal of denunciation of the scales and all who are in any way responsible for them will be heard during the coming winter.

The discussion of the subject at the September meeting of the Council of the Educational Institute indicated the main lines that the critics are likely to follow. A large number of the women teachers are naturally disappointed that even the compromise of equal initial salaries, put forward by the Institute, should have been rejected, and that there should be a difference of £20 in the minimum of men and women. They are further irritated by the fact that the increment for the ordinary woman teacher should be £5 in the first years of service and only rise to the men's increment of £10 after a considerable time. It must be admitted that, supposing the Department had determined to adhere to the principle of inequality in salaries, they might have done so with more regard for the susceptibilities of the women. Another ground of objection to the scales, of which more is likely to be heard, is that they deal very hardly with existing teachers. There is an attempt to safeguard their position in a note which says that "in view of the smaller opportunities in the past, existing teachers who are not graduates might, if judged fully competent, be admitted, at the discretion of the Education Authority, to the benefit of the higher scales." But as a similar note in the Craik Report was a dead letter, this does not give much consolation to those who have to depend on the tender mercies of their Education Authority. While it will be a pity if the new scales do not allay the bitterness of feeling about salaries, protests against the scales, such as are to be expected from the city teachers, are likely to hasten the appointment of a permanent Salary Board for Scotland. That, indeed, is the logical outcome of the institution of national salary scales.

The new superannuation scheme which superseded the scheme established under the Act of 1908, follows closely the lines laid down in the English Superannuation Act. It applies to all teachers holding a certificate of competency in teaching who are giving whole-time service in our day schools, continuation classes, certified reformatory or industrial schools, training colleges for

(Continued on page 682.)

NEW EDUCATIONAL WORKS For PIANO.

FORBES, GRAHAM: Moods (6 Pieces)	1	6
HATHAWAY, J. W. G.: 50 Sight Reading Exercises for Students of all Grades	3	6
NICHOLLS, HELLER: Early Days (4 Pieces)	2	0
WALTHER, R. H.: 5 Dance Sketches	2	6
WHITEHEAD, PERCY A.: 18 Nursery Rhyme Canons	2	0
" " "Triples" (10 Valsettes) in 2 Books, each	1	6
YORK BOWEN: Suite for Piano Duet. In three movements: Prelude, Nocturne, and Dance	4	0

Part Songs for Treble Voices.

To Daisies. S.S.A.	3d.
Upon Mistress Susanna Southwell, Her Feet. S.S.A.A.	3d.
Morning Song. S.A.	4d.
A Birthday. For Ladies Chorus (or Trio)	4d.
A May Burden. S.S.A.A.	6d.
Old King Cole. S.S.A.A.	3d.
How Beautiful is Night! S.S.A.	4d.
Keepsake Mill. (Two Part)	3d.
Rosa Aylmer. S.S.A.A.	3d.
Salute the Sacred Dead. (Unison Song)	3d.
CYNTHIA COX	3d.
BRYANT, WILLIAMS	4d.
E. NORMAN HAY	4d.
S. GREGORY OULD	6d.
CECIL FORSYTH	3d.
DUNCAN DEARLE	4d.
E. T. SWEETING	3d.
F. B. HART	3d.
M. S. SMITH	3d.

POLYCHORDIA. String Library.

Each Number. Price complete 3s. Score 2s. Extra String Parts, each 6d.

A New Series of Albums for String Orchestra with Piano, in Five Grades, including a New Method of Instruction for String Classes.

Arranged and Edited by **James Brown.**

NOW READY.

No. 101. **HANDEL, 5 Pieces.**

No. 151. **COUPERIN, 4 Pieces.**

OTHER NUMBERS IN THE PRESS.

STAINER & BELL, Ltd., 58 Berners Street, London, W.1.

Wolsey Hall, Oxford**50 TUTORS AND DIRECTORS OF STUDY**

All University Graduates with highest honours
selected primarily for their TEACHING ABILITIES

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

If you wish to
qualify to teach
SHORTHAND,
BOOK-KEEPING AND ACCOUNTANCY,
COMMERCIAL PRACTICE,
ADVERTISING, PRACTICAL BANKING,
COMMERCIAL LAW,

you can do so
in your spare time
by means of

PITMAN'S POSTAL COURSES.

The postal tuition meets exactly the requirements of teachers who are unable to secure oral training, or who desire to pursue the study of commercial subjects at home. One course, or any group of subjects, may be taken at any time, the lessons commencing from any stage of present knowledge. Write for details, stating the subjects in which you are interested.



Principal: FREDERICK HEELIS, F.R.S.A.

Director of Studies:—

Dr. ROBERT W. HOLLAND, O.B.E., M.Sc., LL.D.
169 SOUTHAMPTON ROW, LONDON, W.C.1.

The Times EDUCATIONAL SUPPLEMENT

A COMPLETE EDUCATIONAL
NEWSPAPER AND REVIEW

Published every Thursday

ORDER TO-DAY

Annual Subscription by Post:

10s. 10d. INLAND
13s. ABROAD

from

THE PUBLISHER, PRINTING HOUSE SQUARE,
LONDON, E.C.4

Or from ALL NEWSAGENTS & BOOKSTALLS

PRICE 2d.

A free Specimen Copy will be sent to any Teacher who sends a
post-card to the Publisher

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps
and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham,
Tonbridge, Wellington (Berks), Wellington (Salop),
Wellington (Somerset), Oxford University, Felsted,
Trent College, Brighton College, Aberdeen University,
Sheffield University, University of Wales, St. Bees
School, &c., &c.

*Estimates and Patterns of Cloth will be forwarded FREE of
charge to any School requiring Uniforms.*

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of

Uniforms, Head-dresses, Accoutrements, Laces, and
Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office:

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armillastro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 nes).

teachers, and other central institutions. Even the small but important group of schools which are not under the management of an Education Authority are included, provided they come under the scheme of an Education Authority or are recognized by the Education Department as contributing efficiently to the higher education of the country. The only teachers of any consequence left out in the cold are the staffs of the Universities who must perforce be content with their own much less adequate contributory scheme until they join up with the rest of the profession and can make better terms with their help. The appointed day on which the scheme came into operation was April 1, 1919. After that date teachers may elect to retire at sixty and must retire at sixty-five; getting an annual retiring allowance of one-eightieth of the pensionable salary for each completed year of service up to half of the salary and a lump sum equal to one-thirtieth of the pensionable salary for each year of completed service, or one and a half times the pensionable salary, whichever is less. Pensionable salary means the average salary during the last five years of service. Specially generous provision is made for teachers who have already retired. Where the amount of allowance paid to them under previous schemes is less than £100, £1 is added for each year of service; where the allowance is between £100 and £200, 15s. is added; and over £200, 10s. The cost of this addition considerably reduces the possible extra benefits for existing teachers; but, happily, one hears no word of complaint from any quarter on this score. Everyone realizes the hard plight of many of the older generation whose pensions are painfully small because of the smallness of salaries at the time of their retirement. What concerns the ordinary teacher most just now is the date of the return of the contributions paid in under the last pension scheme. Many of them are looking forward to a substantial sum from this source to help them to meet the heavy charges of the present time.

The Scottish Board of Health have issued to Local Authorities a circular pointing out that the powers and duties of the Scottish Education Department with respect to the medical inspection and treatment of children and young persons have been transferred to the Scottish Board of Health. The object of the circular is to secure the co-operation of the Local Education Authorities (which are still responsible for the medical care of

their charges) with the Public Health Authorities. It is suggested among other things, that the school medical officers should, wherever practicable, be formally appointed officers of the public health staff, and that where there are child welfare clinics or school clinics these institutions should be available both for the Local Public Health Authority and for the Local Education Authority. There will be general agreement as to the need for some such co-ordination as this. The existing system, with the work of the medical officers of the Poor Law, Education, and Public Health Authorities overlapping, is wasteful and unsatisfactory. But it remains to be seen whether the new Board of Health will be able to overcome the difficulties in the way. The real cure for the evil is the abolition of *ad hoc* authorities dealing with education and poverty, and the concentration of their powers in a single general Local Authority like the County Council, as the leaders of the teaching profession argued strongly when the terms of the Education Act of 1918 were under discussion. Till the time come for this more fundamental reform, the Board of Health will have the support of all enlightened educators in their efforts to deal with the problem.

The appointment of Dr. J. A. Third, Spier's School, Beith, to be Director of Education for the Ayrshire Education Authority has compelled his resignation from the presidency of the Educational Institute before he had entered on the duties of the office. There will be regret among teachers all over Scotland that Dr. Third's well-deserved promotion should involve this loss to the Institute. His election as president by a unanimous vote was peculiarly appropriate this year. It was he who first propounded the idea of national minimum salary scales as the most promising method of raising salaries to a proper level over the country, and it is betraying no secret to say that it was largely due to him that salary scales found a place in the Act of 1918. He would have been an ideal leader in the campaign on which the Institute is now entering to secure a satisfactory application of the scales promulgated by the Department as a basis for the salary schemes of the various authorities. The Constitution of the Institute makes no specific provision for filling a vacancy in the presidency that occurs in the course of the year, but the Council, at its September meeting, decided to recommend Mr. T. S. Glover,

(Continued on page 684.)

MARRIED LOVE.

*A New Contribution to the
Solution of Sex Difficulties*

By MARIE STOPES, D.Sc., Ph.D.

SEVENTH EDITION, 6/- NET

"To the married and to those about to marry, provided they are normal in mind and body and not afraid of facing facts, this should prove a most helpful book."—*British Medical Journal*.

AT ALL BOOKSELLERS

G. P. PUTNAM'S SONS, LTD., LONDON.

SAVE 50% of your TIME

by ordering your NEW BOOKS through Mr. John Davis, who can always secure good second-hand copies of manuals out of stock at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a further order for you as I am well pleased with your past efforts to secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C. 4

For the Oxford and Cambridge Locals and College of Preceptors Examinations.

MURBY'S NEW SCRIPTURE MANUALS.

Commentaries by Dr. KNAPP.

LARGER Manuals.

ST. MATTHEW (in preparation)
ST. MARK... .. net 2/6
ST. LUKE... .. 4/-
THE ACTS... .. 4/-

SMALLER Manuals.

Simplified from the Larger.

ST. MATTHEW... .. net 2/-
ST. MARK... .. 2/-
ST. LUKE... .. 2/-
THE ACTS Vol. I (1-xvi) .. 2/-
Vol. II (xvii-xxviii) .. 2/-

By Dr. G. W. WADE and Rev. J. H. WADE.

II SAMUEL net 4/- | II SAMUEL net 2/-

STUDY CIRCLE OUTLINES. By Dr. KNAPP.

No. 1. Studies in the Ethical Teaching of Our Lord in the Gospel of ST. LUKE. Based on the smaller manual on St. Luke. Price 2d. post free. Others in preparation.

STEREOSCOPIC VIEWS.

To illustrate the Physical and Historical Geography of Palestine. Messrs. Underwood have prepared three sets of their excellent stereoscopic views of Palestine and the East specially based upon the above Manuals.

T. MURBY & CO., 1 Fleet Lane, Ludgate Circus, E.C. 4.

THE ONLY MAGAZINE OF ITS KIND!

"ENGLISH"

For Readers and Writers, Government Officials, Teachers and Preachers, Journalists, Business Men, Public Speakers and Private Students, and all Lovers of the English Language at Home and Abroad.

Edited by an Englishman.

Monthly, 6d. (8d. post free). Annually, 7s. 6d. post free.

The only Magazine in the British Empire devoted wholly to the English Language.

W. & G. FOYLE, LTD.,

121-125 CHARING CROSS ROAD, LONDON, W.C. 2.

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

OLD GYMNASIA

Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S

Several Recent Secondary School and Welfare Outfits.

SCHOOL CLINICAL

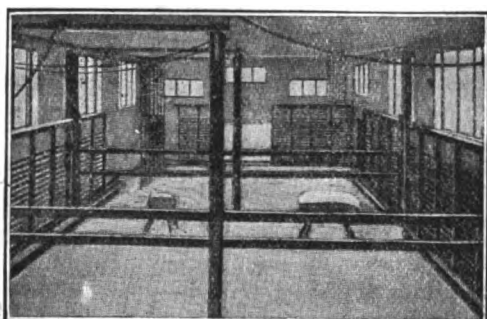
Plinths, Correction Belts, Head Suspension

A P P A R A T U S

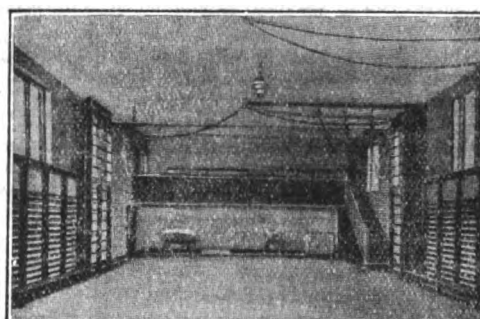
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12080.

Rector of Berwick High School, to the forthcoming general meeting. Mr. Glover is not so well known to Scottish teachers as Dr. Third, and even in the Council a considerable section is ignorant of his qualities. The reason in the latter case is the highly honourable one that Mr. Glover was on active service till last year and so got out of touch with the Council. His confrères in the south-east of Scotland hold him in high esteem as a man of resource and character, and there is every reason to believe that, if elected, he will discharge efficiently the arduous duties that fall to the First Teacher during his year of office.

Mr. Alexander Emslie, who was dismissed from the Rectorship of Ayr Academy by the Ayr School Board eighteen months ago, has been appointed Rector of Spier's School, Beith, in place of Dr. Third.

The Emslie Case.

This, it is hoped, brings to a satisfactory end an unfortunate situation which has been disturbing the teaching profession in Scotland all through the past year, and seemed to threaten to go on doing so interminably. When dismissed, Mr. Emslie sought the aid of the Educational Institute, and with the concurrence of the Executive appealed to the Education Department against the School Board. The Department referred the matter to a legal expert, and on his advice, following an inquiry on the spot, gave its decision against Mr. Emslie. The Executive of the Educational Institute, which had talked at first of proceeding to extreme measures for his reinstatement, thereupon decided to go no further with the case. But Mr. Emslie and his friends were not content to accept the decisions either of the Department or of the Institute, and the agitation for reinstatement went on more briskly than ever. Mr. Emslie, taking advantage of the opportunity provided by the election of the new Education Authority, stood as a candidate in Ayr with his own reinstatement as the main plank of his programme and was returned at the head of the poll by a large majority. His friends got a special general meeting of the Institute called by requisition and succeeded in getting the previous finding reversed in favour of a motion to approach the Ayr Education Authority in order to have him made Rector of Ayr Academy once again. The Authority, though obviously impressed by the backing he had, had to face the fact that his appointment meant depriving of their position the two men whom the Ayr School Board had made co-rectors. The vacancy in Spier's School, Beith, however, has provided them with a way of escape from their difficulty, and by appointing him Rector there with the

consent of the Governors they have restored him to a position which is, for all practical purposes, as good as that of which he was deprived by Ayr School Board. In ordinary circumstances the matter would rest at this point, but it is not certain that it will in this case. There is talk of Mr. Emslie being run as a candidate for the presidency of the Institute against the candidate recommended by the Council, but it is to be hoped that Mr. Emslie's supporters will stop at that. Whether they should succeed or fail, it would be unfortunate for the Institute to have this contest. It would be better to allow time for the passions which have been aroused by the controversy to die down.

IRELAND.

This coming month is likely to be of great importance for Irish education. During it the Government have promised to produce their long-expected Education Bill for the co-ordination and reform of all departments of Irish education and for the improvement of the position of Irish teachers. It is generally understood that the Bill will follow the lines of the Reports of the Vice-Regal Commissions which sat last winter. Attempts have been made during the summer to anticipate its details, but it is only during the past month that it has been finally completed. On behalf of those engaged in education it may be said that any genuine attempt to bring Irish education up to date will be welcomed, and that great hopes are entertained that the Government will proceed boldly with their scheme of reform.

The month of September is one during which Irish intermediate schools begin their educational year, and in the early part of which they expect to know the results of the examinations held in June. These are useful and important in helping schools to determine classes and to arrange promotions. Unfortunately, a protracted printers' strike in Dublin has not only caused great inconvenience, as referred to last month, in delaying the appearance of the Rules and Programme of next year's examinations, which, instead of coming out soon after Easter, were only published the first week of September, but it postponed to an unusually late day the publication of the results of the examinations.

(Continued on page 686.)

Study by the best and shortest methods.

In whatever course of study you are interested the Correspondence Training of the Tutorial College will direct you by carefully graduated steps to certain success.

The Correspondence Tuition of the Tutorial College has been developed to the highest state of efficiency, both as a method of teaching and as a means of conveying ready understanding to the student.

The College knows and supplies exactly what guidance and information the student needs, and its exercises are carefully graded for easy assimilation and rapid acquirement.

The courses are compiled from unequalled sources of information and specialized knowledge, the coaching being thoroughly earnest and individual from start to finish. The "Tutorial" system is designed to make a success of every willing student, and those who train under it have their studies directed by the best professional and teaching talent in Britain.

Because it is neither based upon, nor like any other method of training, the Tutorial College can guarantee the efficiency of its correspondence training, and reminds you that it provides for you a far better chance of success than any other training institution or system.

**Army and Navy Exams.
Oxford and Cambridge Locals.
College of Preceptors.
B.A. (Matriculation, Inter. & Final).**

**B.Sc. (Inter. & Final).
Civil Service.
Honours Degrees.
L.L.A. (St. Andrews).**

&c., &c.

For whatever Examination you desire to sit, the Tutorial College will train you by improved methods to certain success.

Write to-day for particulars, naming the Examination.

**The Tutorial College, Ltd.,
30L ELMBANK CRESCENT, CHARING CROSS, GLASGOW.**

Important Notice

New Editions of **PHILIPS' SCHOOL ATLASES**, showing **NEW BOUNDARIES** as contained in the Peace Treaties are now being published. Two of the most important and the most popular are—

PHILIPS' NEW SCHOOL ATLAS
of Comparative Geography, 3s. 6d. net.

PHILIPS' MODERN SCHOOL ATLAS
of Comparative Geography, 4s. 6d. net.

JUST PUBLISHED.

Map Reading Made Easy

By Captain C. C. ESSON and G. S. PHILIP, F.R.G.S.

An interesting and lucid explanation of a subject of ever-increasing importance. Map-reading is an ideal subject for schools, as it shows the scholar the *practical application* of other subjects he is learning—Geometry, Arithmetic, Drawing, &c. It is also of great help to a thorough study of Geography. The large number of diagrams and maps greatly facilitate description and understanding.

Crown 4to, cloth boards, 3s. 6d. net.

TEXTBOOKS BY
J. F. UNSTEAD M.A., D.Sc., and E. G. R. TAYLOR, B.Sc.

General and Regional Geography

Invaluable for pupils who wish to do more advanced work, and as a general textbook for teachers. Contains a large number of maps and diagrams, and the explanations of difficult points are exceptionally clear.
520 pages. 7s. 6d. net.

Commercial Geography

GENERAL AND REGIONAL.

"The book is no dull list of place-names and products, but an able development of the subject on a sure foundation of physical geography."—*Commercial Education*.

Deals with Climate, Vegetation, Industries, Agriculture, Mining, &c., &c. A full and informative textbook.
250 pages, with Maps and Diagrams, and Index, 4s.

The Essentials of World Geography

FOR JUNIOR STUDENTS.

The most important matters of physical and human geography explained as simply as possible. A really helpful textbook.

Crown 8vo, 256 pages, with maps and diagrams, 3s.

WRITE FOR COPIES FOR INSPECTION.

GEORGE PHILIP & SON, Ltd., 32 Fleet Street, London, E.C.4.

THE ANNUAL

"DIRECTORY OF EDUCATIONAL ASSOCIATIONS"

which has been described as ONE OF THE MOST USEFUL RETURNS PUBLISHED BY ANY BRITISH EDUCATIONAL JOURNAL will appear in the MARCH, 1920, issue of "THE JOURNAL OF EDUCATION AND SCHOOL WORLD"—a paper "indispensable to all school and college reading-rooms in these islands."—*Westminster Gazette*.

(MARCH 1919 issue is out of print.)

This "DIRECTORY" will be corrected to date by responsible officials. It will give (a) number of members; (b) amount of annual subscription; (c) name of "organ"; (d) telegraphic address; (e) telephone number; (f) date and place of next annual meeting; (g) secretary's name and office address.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

The Journal of Education and School World

BOUND VOLUME FOR 1918.

THE PRICE OF THIS VOLUME IS 12/-.

BINDING CASES, 4/-.

Certain of the previous volumes can still be obtained, price 10/6 each. A list of those in print will be furnished on application to the Publisher.
Binding Cases for 1917 and previous Years, 2/6 each.

London: MR. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

FOR A SELECT LIST OF RESIDENTIAL AND HOLIDAY QUARTERS

See page 642.

The general summary of the boys' results is as follows:—

Grade.	Senior.	Middle.	Junior.	Total.
Number Examined	1,116	1,969	4,231	7,316
Number who passed—				
With Honours.....	141	274	418	833
Without Honours...	464	685	1,836	2,985
Total	605	959	2,254	3,818
Percentage of Passes ...	54.2	48.7	53.3	52.2

The summary for the girls is as follows:—

Grade.	Senior.	Middle.	Junior.	Total.
Number Examined	564	1,182	3,057	4,803
Number who passed—				
With Honours	84	131	227	442
Without Honours...	183	427	1,288	1,898
Total	267	558	1,515	2,340
Percentage of Passes ...	47.3	47.2	49.6	48.4

The percentage of boys passing in the Junior Grade is slightly higher than in 1918, but the percentage has fallen considerably in the senior and middle grades for both boys and girls, and in all grades is much lower than in 1917. This is, no doubt, largely accounted for by the epidemic of influenza which seriously interfered with the work of the majority of schools last winter; but there was also a general consensus of opinion that some of the papers in mathematics were unduly difficult. It is also worthy of remark that the number of candidates obtaining honours is unusually low. In order to obviate as far as possible the hardship that would be felt by some schools on account of the low percentage of passing, a new Rule has been sanctioned by the Government on the proposal of the Intermediate Board to the effect that the school grant should be paid not on this year's passes only, but on the average number of passes for the past three years, 1917, 1918, and 1919.

The Report of the Intermediate Education Board for 1918 was published last month. This contains the usual analysis of the results of the examinations, a statement of accounts, and a list of the grants to each school, including the payments made for the first time from the Duke Grant of £50,000. The accounts of the Board show that their total income was £84,627, and the chief heads of expenditure were: administration, £10,156; inspection, £5,403; examinations, £15,116; rewards, £6,388; and school

grant, £47,090. This school grant is exclusive of the Birrell and Duke Grants. The most interesting part of the Report deals with the recent Committee of Inquiry and with the question of expanding grants. On the report of the Committee the Board say that "while some members make reservations with regard to specific points, we find ourselves in general agreement with the recommendations of the Committee. The findings of the Committee constitute a strong endorsement of the views of the Board as expressed on several occasions, especially in our Report for the year 1916. Their recommendation as to the basis of distribution of grants is practically identical with that outlined in that Report. They further emphasize the urgent need for increased funds, particularly with a view to ameliorating the condition of the teachers, and express the view that the funds at the disposal of the Secondary Education Authority should be elastic. Both of these were strongly urged by us in our Report for 1916." On the matter of expanding grants, the Report calls the attention of His Excellency to the debate in the House of Commons on March 4, 1918, when Mr. Samuels, then Solicitor-General for Ireland, stated that the sum of £50,000, then being voted, was an equivalent grant and not stereotyped. It was to vary from time to time according to the amount paid for English education. Up to the present, however, although English grants have increased, there has been no increase in the Irish grant of £50,000. The Report gives the following figures:—Grants for secondary schools in England: 1918-19, £1,568,570; 1917-18, £1,396,100.—Increase, £172,470. Grants for secondary schools in England: 1919-20, £1,790,660; 1918-19, £1,568,570.—Increase, £222,090.

In the two years there has been a total increase in grants for secondary schools in England of £304,560, the Irish equivalent of which is £44,388, and this should be added to the £50,000 grant.

The Board trust that the undertaking given by Mr. Samuels on behalf of the Government will be carried into effect. Queen's University, Belfast, are to receive during the current year a sum of £8,000 from the Government in aid of their requirements. The University have issued a report emphasizing the need of new departments and the expansion of those already existing.

ERRATUM.—The title of Mr. E. H. Allen's little book reviewed in our September issue, page 634, is "What will my Pension be?" and not "What will my Position be?" as incorrectly given at the head of the notice.

THE FUTURE CAREER ASSOCIATION,

53 VICTORIA STREET, S.W.1.

THE RECOGNIZED INTELLIGENCE BUREAU ON
CAREERS FOR PARENTS AND SCHOOLMASTERS.

wish it to be clearly understood that they are **in no way**
responsible for or connected with the new publication

"THE FUTURE."

Their official monthly journal is

"NOTIFICATIONS"

which deals exclusively with topics of Educational Interest and
Boys' Careers.

TUTORIAL and CONVEYANCING DEPARTMENT.

Under the direction of **Mr. F. C. NEEDES, B.A.**, and **Mr. H. I. A. WIMBERLEY, M.A.**

TRANSFERS and PARTNERSHIPS arranged by
correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

TRANSFERS.

For LIST OF SCHOOLS and PARTNERSHIPS for SALE,
please see last month's and next month's issue.

53 VICTORIA ST., WESTMINSTER, S.W.1

Telephones: Victoria 4188 and 5942.

THE SECONDARY, TECHNICAL AND UNIVERSITY TEACHERS' INSURANCE SOCIETY

(The S.T.U.T.I.S.)

Registered under the Friendly Societies Act, 1896. Regd. No. 1424 London.
Approved under the National Insurance Act, 1911. Approval No. 261.

Chairman: Sir JOHN D. MCCLURE, LL.D., M.A.

All persons whose main work is teaching other than in Public Elementary Schools are eligible for membership of this Society.

STATE SECTION:—

The forthcoming Valuation will, it is expected, show that this Section is in a very strong position and that valuable additional benefits will be able to be offered to its members.

Members who have been insured for at least two years, and who are passing out of Insurance in consequence of the Superannuation Act, or of larger salaries, are entitled to become *Voluntary Contributors*, and thus share in the Additional Benefits which they themselves have helped to create.

DIVIDEND SECTION:—

This Section is independent of the State Section and is for the insurance of those teachers to whom the Insurance Act does not apply, or *who desire additional benefits*. It possesses the advantage of a Savings Bank (by the creation of Own Funds and Deposit Accounts), and offers at a very low cost Sick Benefits up to £3 3s. per week. Hitherto about two-thirds of the members' annual contributions have been returned to them each year by being placed to the credit of their Own Funds.

For information apply to the SECRETARY,
10 Mecklenburgh Square, London, W.C.1.

MODERN CORR. COLLEGE.

PRINCIPAL:

Mr. A. McALISTER, B.A. (Cantab.), A.C.P.

Full Courses.	Single Subjects.
Matric. Responsions. Previous. Oxford & Camb. Junior and Senior. College of Preceptors. A.C.P. L.C.P. Certificate.	Languages. Mathematics. Science. English. Music.

— MUSIC —

Director of Studies—J. G. COOPER, Esq., Mus.Doc. (Dunelm.), F.R.C.O., L.R.A.M., A.R.C.M.

Full Courses.	Single Subjects.	Memory Course.	Special Courses.
Mus.Bac.— including Matric. Mus.Doc. F.R.C.O. L.R.A.M. A.R.C.M. A.Mus.T.C.L. L.Mus.T.C.L. A.I.S.C. F.I.S.C.	Harmony. Counterpoint. Composition. Fugue. Orchestration. History.	Organists. Pianists. Singers.	A.R.C.O. (Essay). Art of Teaching.

Guarantee Course — Tuition until successful.

Please write fully :—209 CASTLE BOULEVARD, NOTTINGHAM.

UNIVERSITY OF BRISTOL.

FACULTY OF MEDICINE.

The WINTER SESSION commences on October 1st, 1919.

The University grants the degrees of Bachelor of Medicine and Surgery (M.B., Ch.B.), Master of Surgery (Ch.M.), Doctor of Medicine (M.D.), Bachelor of Dental Surgery (B.D.S.), and Master of Dental Surgery (M.D.S.), as well as diplomas in Public Health (D.P.H.) and Dental Surgery (L.D.S.).

The lectures and laboratory courses which are given in the University, although primarily designed for the degrees and diplomas of the University, are equally adapted to those of other Universities and Examining Boards, and students preparing for such external degrees and diplomas have equal attention paid to them.

Hospital Practice and Clinical Instruction are provided in the Hospitals and Asylum of the City, associated with the University for this purpose, and students have exceptional opportunities of studying the practice of Medicine from a large variety of cases.

Women are admitted to all classes, and attend them with men. The Hall of Residence for Women Students are situated on Clifton Hills, both near the University.

INCLUSIVE FEES—

For the M.B., Ch.B. curriculum	135 guineas.
For the B.D.S. curriculum, including Mechanical Laboratory	155 "
Do. excluding Mechanical Laboratory	115 "
For the L.D.S. curriculum, including Mechanical Laboratory	133 "
Do. excluding Mechanical Laboratory	93 "
For Mechanical Laboratory alone	40 "
Or annual fees may be paid, in which case the total amount is slightly increased.	
For the D.P.H. curriculum	30 guineas.
For additional particulars apply to Professor EDWARD FAWCETT, M.D., Dean, or to JAMES RAFTER, M.A., Registrar.	

THE SECRETARY OF THE WAR OFFICE announces that a limited number of boys may be nominated by the Army Council for admission to a Competitive Examination for one GILL MEMORIAL SCHOLARSHIP and a limited number of GILL MEMORIAL EXHIBITIONS which will be held at Brighton College on the 1st and 2nd June, 1920.

2. The annual value of a Gill Memorial Scholarship is £50 and that of a Gill Memorial Exhibition is £45; they are tenable for three years (the period may be extended to four years on the recommendation of the Head Master). This represents approximately half the cost of education at the College.

3. To be eligible for nomination by the Army Council a candidate must be:—

(a) Under fourteen and a half years of age on the 1st June, 1920; and

(b) The son of an officer of the Regular Army (serving or retired) or in default of qualified candidates being available the son of an officer of the Special Reserve or Territorial Force.

4. The successful candidates for the SCHOLARSHIP or EXHIBITIONS will enter Brighton College at the termination of the Summer Vacation.

5. Applications for nomination by the Army Council should reach the Secretary, War Office, London, S.W.1, not later than the 1st April, 1920 (accompanied by birth certificates and certificates of conduct covering the last two years).

6. Full particulars regarding the Examination, and copies of former papers set, can be obtained on application to the HEAD MASTER, Brighton College.

War Office,
May, 1919.

**SCHOOL
WORLD**

WANTED. — Parts
for MARCH, 1904 (Vol. 6).

MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C.4.

BOARDING HOUSE wanted in connexion with a Secondary School. Boys' or Girls'. Address—No. 10,881.*

Sale or Transfer.

See also pages 649, 686, 690, 695.

TO BE SOLD, flourishing GIRLS' SCHOOL, with House. Fashionable residential neighbourhood, West of England. Good house and garden. Over 30 boarders and 25 day pupils. Excellent opening. Address—No. 10,838.*

SCHOOL WANTED TO PURCHASE, or Partnership entertained, by French lady, diplômée, with experience in first-class English Boarding Schools. Capital £500. French boarders' connexion.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. No charge to vendors unless business results. Established 1881.

GIRLS' DAY and BOARDING SCHOOL for disposal (London suburb). 16 boarders, 30 day pupils. Price half term's fees. Bargain.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W.1. No charge to purchasers. Established 1881.

PRINCIPAL of High-class Girls' School (25 boarders) wishes to rent, on lease, suitable house standing in 2 to 5 acres in a good residential neighbourhood. Home counties or seaside. Rental about £300. Would join another school with view to transfer. Address—No. 10,896.*

LADY highly qualified, both in teaching and housekeeping, wishes to purchase or start **BOARDING HOUSE** in connexion with High School or other School of good standing. Excellent references, both financial and personal. Address—No. 10,902.*

**School Premises
Required.**

WANTED. — Large premises, furnished or partially furnished, with extensive playing grounds and gardens suitable for a school. Surrey preferred. 8 to 10 reception rooms (2 or 3 very large), about 40 bedrooms, plenty of bath and lavatory accommodation, modern drainage, central heating, electric light. Address—No. 10,903.*

Posts Wanted.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holbein Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.

MODERN LANGUAGE MIS- TRESS seeks post, in or near London, in September. French University Diploma. German and Russian acquired abroad. Five years' teaching experience in London schools. Direct Method. Visiting considered. Address—No. 10,883.*

LADY, entered for B.A., desires **TEACHING ENGAGEMENT** after November 6th, either permanent or temporary till Christmas, and permanent in January. Subjects: English, German, History, Arithmetic, Mathematics, and elementary Latin. Address—No. 10,900.*

Posts Wanted—continued.

JEUNE INSTITUTRICE française, brevet supérieur, meilleures références universitaires, demande situation dans bonne famille anglaise. Pair ou petits appointements.—Address—No. 10,895.*

ART MISTRESS seeks re-engagement January. Studied Lambeth and three years abroad. Exhibitor Royal Academy; Ablett's Teacher-Artist Certificate. Long, successful experience in two well known schools. Crafts. Address—No. 10,901.*

LADY seeks post as **SECRETARY** or **BURSAR**. Accounts to profit and loss, Shorthand, Typing, &c. Pre-war training and experience. Good French and Italian. Boys' School preferred. Would go abroad. Address—No. 10,907.*

AS SECRETARY, LIBRARIAN, or **BURSAR** of Scholastic Institution, with occasional lectures on English Literature if desired, or **CLERK** to Education Committee, &c. Educated St. Andrews University. B. ès L. (Honours). Incorporated Secretary. Sound references and testimonials. Apply—HOLMDEN, St. Ives, Hunts.

COPIES of "The Journal of Education and School World" for March and May 1919 wanted at once. Is. each offered.—Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

WANTED, in January, by lady (A.R.C.M.), **VISITING or NON-RESIDENT WORK** in Schools in Isle of Wight. Piano, Harmony, Class Singing. Examinations prepared for. Experience in Public and Private Schools. Good references and testimonials.—Miss BATTISHILL, St. Katharine's School, St. Andrews, Fife, N.B.

AS HOUSEKEEPER-MATRON, or **HOUSEMISTRESS.** Excellent references. Good Organizer; Caterer; accustomed to control domestic staff.—W. C. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.

EXPERIENCED FRENCH MIS- TRESS, Diplômée, successful Coach: taught pupils all ages in English High School. Junior Music. Cyclist. Shares supervision.—18 F. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Others. Selected list gratis. Stamp.

RESIDENT OR VISITING Engagement accepted. Clever French Mistress, Diplômée; successful Coach; thoroughly accustomed to English School routine. Modern methods. Elementary Italian.—17 F. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Others disengaged.

FIRST engagement in England re- quired by French Protestant Officer's Daughter. Diplômée. French, Literature, Mathematics, Science, Nature Study, Music, Drawing, Needlework.—25 F. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1.

B.A. (22) seeks re-engagement. English Literature, History, Geography, Latin; some Mathematics. Good Music.—H.O.B. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient postage stamps to cover postage on to advertiser. Post cards will NOT be sent on.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter.
Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern
Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on
application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

BEDFORD SCHOOL.—Head

Master: REGINALD CARTER, M.A. An Examination will be held at Bedford on March 18th, 1919, for 4 Exhibitions £50-£40, and 6 Nominations £10-£20 for Boarders, and 4 for Day Boys. Apply for particulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EXHIBITIONS.—Seven Exhibitions are offered to Sons of Old Bedfordians on certain conditions. For particulars apply—HEAD MASTER, Bedford School.

SOMERVILLE COLLEGE, OXFORD.

THE following SCHOLARSHIPS will be offered for competition in March, 1920, on the results of an Examination to be held at the College:—

A CLOTHWORKERS' SCHOLARSHIP of £50 for 3 years. (Open only to candidates who submit satisfactory evidence that they cannot come into residence without pecuniary assistance.)

A COOMBS SCHOLARSHIP of £50 for 3 years.

A STUDENTS' SCHOLARSHIP of £45 for 3 years.

One or more EXHIBITIONS of not less than £20 a year.

Full particulars will be sent on application to the PRINCIPAL or SECRETARY.

CRANBROOK SCHOOL, KENT.

Head Master: Rev. C. F. PIERCE, M.A. Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College;
Trinity Hall; Newnham College;
Royal Holloway College;

St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

KING'S SCHOOL, CANTERBURY.—ENTRANCE and KING'S

SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

NEWNHAM COLLEGE.—TWO

SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £50 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

WORCESTER CATHEDRAL KING'S SCHOOL

ANNUAL SCHOLARSHIP EXAMINATION.
November 18th and 19th, 1919.

SEVEN KING'S SCHOLAR-

SHIPS of the value of £18.18s. per annum, two HOUSE SCHOLARSHIPS of £15, and two GOVERNORS' EXHIBITIONS (tenable with King's Scholarships) will be awarded.

Scholarships may be awarded for excellence in either Classics, Mathematics, or Modern Languages. Candidates must be under 15.

Applications for entry forms must be made before November 1st to the Head Master.

Rev. C. CRIGHTON,
King's School,
Worcester.

HIGHGATE SCHOOL.

Founded, Endowed by Sir Roger Cholmeley in 1565.

The Annual Scholarship Examination will be held on November 20 and 21, when 5 FOUNDATION, 2 GLADSTONE, and 5 BOARDING SCHOLARSHIPS will be open. The awards vary from £41 to £55 per annum. Applications by November 13 to the HEAD MASTER, School House, Highgate, N.6.

Not classics in chief, nor science alone, but the adaptation of a boy's work to his special capacities and needs, as these become manifest."

SEDBERGH SCHOOL

THE Examination for Ten ENTRANCE SCHOLARSHIPS and EXHIBITIONS will be held during May, 1920, in London and Sedburgh simultaneously. Candidates must be under 14 years of age on January 1st, 1920.

For further information apply to—THE BURSAR, Sedburgh School, Yorkshire.

RADLEY COLLEGE.

Five Scholarships and some Exhibitions varying in value from £80-£25 will be offered for competition in the Summer of 1920. The date of Examination will be announced later.

Apply for particulars to:—

THE BURSAR OR THE WARDEN,
Radley College, Near Abingdon, Berks.

HAILEYBURY COLLEGE, HERTFORD.

THE Examination for Scholarships will begin

TUESDAY, NOVEMBER 4th, 1919.

For particulars apply to—

THE BURSAR.

WEYMOUTH COLLEGE.

SIX SCHOLARSHIPS for CLASSICS or MATHEMATICS,

of the value of £40 downwards, and open to boys between twelve and fourteen,

are offered annually for
Competition.

Next Examination will be in June, 1920.

For Prospectus and other information apply to the HEAD MASTER.

CHARTERHOUSE SCHOLARSHIPS, 1920.

EXAMINATION for Ten (or more)

ENTRANCE SCHOLARSHIPS (value £76.10s. each), open to Boys between 12 and 14 on July 15th, will be held on June 1st and 2nd, both at Charterhouse, London, and Charterhouse, Godalming, as selected by candidates. The Scholarships will be tenable during continuance at the School or till election to a Senior Scholarship. One or more of these Scholarships will be awarded without reference to Greek.

For details apply—

MAJOR T. CARSON, Secretary,
CHARTERHOUSE,
GODALMING.

BRIGHTON COLLEGE.—An

Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

BLUNDELL'S SCHOOL, TIVER-

TON.—Six FOUNDATION SCHOLARSHIPS, including two of £60 a year, are competed for annually at the end of May. Candidates must be between 13 and 14 years of age on May 1st. Particulars can be obtained from the HEAD MASTER.

DOWNSIDE SCHOOL, BATH.

CLASSICAL and MATHEMATICAL SCHOLARSHIPS, value £50 a year. Examination in June.

Particulars from—

The Head Master,
Downside School,
Stratton-on-the-Fosse,
Near BATH.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, London.

SCHOOL TRANSFER DEPARTMENT.

Telephone:
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Wales.—Middle-class Boarding and Day School. Gross receipts past year £1,884. No. of Boarders 44, and 108 Day Pupils. Rent £120. Goodwill and School furniture £500.—No. 6,058.

Northants.—Successful Boarding and Day School. 154 Pupils, 47 of whom are Boarders. Prospectus terms about £50 for Boarders, and 2 to 4 guineas for Day Pupils. Any reasonable sum will be accepted for Goodwill, as the vendor must give up owing to death in family and other domestic reasons.—No. 6,052.

Devon.—Good-class Boarding and Day School. Gross receipts £1,300. No. of Boarders 15. Fees about £70. No. of Day Pupils 20. Fees 3 to 5 guineas. Rent £54. Vendor would accept one term's fees for Goodwill. School furniture £275. No.—6,063.

Sussex.—Good-class Boarding and Day School. Gross receipts about £1,454. No. of Boarders about 22, and about 25 Day Pupils. Goodwill one term's fees. School furniture at valuation.—No. 6,012.

Lancs.—Preparatory School for Girls and Kindergarten. Boys up to 10 years of age received.

Gross received past year £603. No. of pupils 72. Rent only £55. Goodwill £200. Furniture at Valuation.—No. 6,060.

Hants.—Partnership in Boarding and Day School. 120 Pupils, 16 of whom are Boarders. Gross receipts about £1,500. Very nice premises. Terms of Partnership to be arranged.—No. 6,050.

Hants (Seaside).—Partnership in flourishing Boarding and Day School for Girls. Vendor wishes to retire after 20 years, having acquired a competency. Gross receipts past year £3,725 15s. Net profit about £600. There is a waiting list for Boarders for next term. Price for half share of Goodwill £500. Furniture at valuation.—No. 6,014.

Yorks.—Preparatory School for Boys. Established 35 years. Gross receipts past year £657. Net profit past year £200. Number of pupils 44, paying 3 to 5 guineas per term, without extras. Rent of good house with garden and play ground, only £60. Majority of boys are prepared for Public Schools. Price for goodwill £400.—No. 6,053.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past

year £369. 15 boarders, 35 day pupils. Rent of fine large detached house, built for a school, and standing in its own grounds, £80. The low sum of £500 will be accepted for Goodwill. Furniture at valuation.—No. 6,041.

Somerset.—For disposal, owing to vendor having lost her eyesight, good class Day School for Girls. Conducted by present Principal 30 years. Gross receipts past year £900. Number of pupils, 30. Rent of large, well-situated house, with accommodation for boarders, £110. Price for goodwill, school, and household furniture 500 guineas, or near offer.—No. 6,040.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 6,024.

Hants (Seaside).—Girls' Boarding and Day School. Gross receipts £1,338. No. of Boarders 12, and 56 Day Pupils. Rent £80. Price for Goodwill £500 or near offer. School and household furniture at valuation.—No. 6,061.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 688.

A BROAD OR ENGLAND.

Trained, Certificated Teacher (Inter. B.A. London Univ.) seeks post. Advanced Mathematics, English, Latin, French, Music. Three years' reference.—J. H. R. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881. Others. Principals invited to make known their requirements.

AS GOVERNESS. — Doctor's

Daughter. Free Church Woman. Inter. B.A. English, Mathematics, Latin, Piano. Three previous engagements obtained through Hooper's.—L. E. E. HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Others. List gratis. Established 1881.

CLEVER TEACHER, aged 31,

thoroughly experienced, seeks re-engagement (school or family). Music (L.R.A.M.). Languages, Mathematics, Calisthenics. Prepares for Senior Examinations. Resident or visiting.—K.F., HOOPER'S (Educational Agents), Ltd., 13 Regent Street, London, S.W.1. Established 1881. Other well qualified Mistresses; list gratis.

THE Principal of a London School

wishes highly to recommend for Visiting Lessons an enthusiastic young DANCING AND SWEDISH DRILL MISTRESS, who has been with her nearly four years. Very bright with her pupils.—R.C., 3 Park Mansions, N.W.8.

HOLIDAY HOMES.

A WELL KNOWN TEACHER writes: "I advertised this Summer [1917] my 'Small Holiday Home' in your paper. The advertisement proved very successful."

Posts Vacant.

ASSOCIATION OF ASSISTANT MISTRESSES IN PUBLIC SECONDARY SCHOOLS.

46 KINGSWAY, W.C.2.—Subscription, 5s.
Secretary: MISS M. V. GIBSON.

LOUGHBOROUGH ENDOWED SCHOOLS.

APPOINTMENT OF HEAD MISTRESS FOR GIRLS' HIGH SCHOOL.

The Governors invite applications, before October 18th, 1919, for the Head Mistress of the Girls High School of this Foundation. Duties commence after the Christmas Vacation.

The Mistress must be a Graduate of a University of the United Kingdom.

The School will accommodate about 250 girls. Salary £500 per annum and an excellent residence. The Mistress may take boarders, for which the house is adapted.

Full printed particulars and copy of scheme, price 1s. 6d., can now be obtained on application to—

MAURICE T. WOOLLEY, F.S.I.,
Rectory Place, Clerk to the Governors.
Loughborough, Leicestershire.
1st Sept., 1919.

NORFOLK EDUCATION

COMMITTEE.—Wanted, at once, for the High School, North Walsham, ASSISTANT MISTRESS, well qualified in Science and Mathematics. Applicants must be graduates of a British University or possess equivalent qualifications. Salary £150 to £260. Previous secondary school teaching experience will be taken into account in fixing commencing salary. Applications, stating age, qualifications, experience, and earliest date available, together with copies of three recent testimonials, should reach the SECRETARY, Norfolk Education Committee, Shire Hall, Norwich, on or before 16th October. No forms required.

Posts Vacant—continued.

LONDON COUNTY COUNCIL.

APPLICATIONS invited for the position of PRINCIPAL of George Green's School, East India Dock Road, Poplar, E.14. The school is a Secondary School for Boys and Girls between the ages of 8 and 19 years, and provides accommodation for 307 pupils.

The salary, based on present economic conditions, will be £600, rising by annual increments of £25 to a maximum of £800 a year, subject to the provisions of the Council's scale of salaries. Preference will be given to persons who have served or attempted to serve with the Forces of the Crown.

Forms of application may be obtained from the Education Officer, London County Council Education Offices, Victoria Embankment, W.C.2.

A stamped addressed foolscap envelope must accompany the application for the form. Applications must be returned to the Education Officer by 11 a.m. on Tuesday, 7th October, 1919.

Canvassing disqualifies.

JAMES BIRD,

Clerk of the London County Council.

LONDON COUNTY COUNCIL.

APPLICATIONS invited for the

position of HEAD MASTER of St. Marylebone Grammar School, Marylebone Road, N.W.1. The school is a Secondary School for Boys between the ages of 8 and 19 years, and provides accommodation for 150.

The salary, based on present economic conditions, will be £500, rising by annual increments of £25 to a maximum of £700 a year, subject to the provisions of the Council's scale of salaries. Preference will be given to persons who have served or attempted to serve with the Forces of the Crown.

Forms of application may be obtained from the Education Officer, London County Council Education Offices, Victoria Embankment, W.C.2. A stamped addressed foolscap envelope must accompany the application for the form. Applications must be returned to the Education Officer by 11 a.m. on Tuesday, 7th October, 1919.

Canvassing disqualifies.

JAMES BIRD,

Clerk of the London County Council.

Posts Vacant—continued.

THE CO-OPERATIVE UNION, LIMITED, owing to the extension of educational work, invite applications from **MEN AND WOMEN ASSISTANTS** capable of taking classes in Civic and Economic subjects.

Experience in Commercial subjects an added qualification in the case of men.

Commencing salaries £230 and £180 respectively per annum.

Fuller particulars and application form from **GENERAL SECRETARY, Co-operative Union, Ltd.,** Holyoake House, Hanover Street, Manchester.

UNIVERSITY OF OTAGO, NEW ZEALAND.

Applications are invited for the position of **PROFESSOR OF HISTORY** at the above University. Salary £750 per annum. Full particulars and forms of application obtainable by sending stamped addressed foolscap envelope to the **HIGH COMMISSIONER FOR NEW ZEALAND**, 415 Strand, London, W.C.2, by whom complete applications will be received up to the 25th October, 1919.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen. **MANUSCRIPT**, 8d. per 1,000 words. Examination Papers. Perfect work. — **M. GLENISTER**, 3 Friern Park, N. Finchley, N.12.

CITY OF YORK EDUCATION COMMITTEE.

MUNICIPAL SECONDARY SCHOOL FOR GIRLS.

A **SENIOR FRENCH MISTRESS** is required. Advanced Course in modern studies recognized. Salary: minimum £210, maximum £400.

Canvassing directly or indirectly will disqualify candidates.

A form of application will be forwarded on receipt of a stamped addressed foolscap envelope, and must be returned on or before 6th October to—

Education Offices, J. H. MASON,
York. Secretary.

GLOUCESTER CRYPT GRAMMAR SCHOOL.

The Governors invite applications for the post of **HEAD MASTER**. Duties to commence in January next.

Candidates must hold an Honours Degree of a British University.

The School, which is under the Board of Education, ranks as a Public Secondary School. It has an Advanced Course in Science and Mathematics, and also in Classics. Number of pupils, approximately 220.

Salary £650, rising by annual increments of £50 to £800 per annum.

Applications, stating age, qualifications, and previous experience, together with 10 copies of not more than 3 recent testimonials, must be sent to the undersigned not later than 9th October.

A. BALLINGER,

24 Barton Street. Clerk to the Governors.
Gloucester.

RAVEN'S CROFT SCHOOL,

EASTBOURNE. — Wanted, in January, **SENIOR MISTRESS**, main subject English. Degree or equivalent and experience essential. Responsible post. Recognized Private School of 70 girls, ages 13 to 19. Apply—**PRINCIPAL**.

IPSWICH.—THE HIGH SCHOOL
FOR GIRLS (G.P.D.S.T.).—**FIRST FORM MISTRESS** wanted in January. Apply to the **HEAD MISTRESS**.

WANTED immediately, Two **ASSISTANT MASTERS**. One English and History to Cambridge Local standard; another elementary Mathematics with Science preferred. Salary £85 to £100, with board, &c.—**SECRETARY**, Royal Orphanage, Wolverhampton.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten **free of charge** and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4 to or fcap. Orders executed by **return of post**.

Full price-list, with specimens of **typewriting**, sent on application.

KING, 45 Bedford Row, London, W.C.1.

MESSRS. GRIFFITHS, POWELL & SMITH,

Educational and School Transfer Agents (Established over 80 years).

Telegraphic Address: "SCHOLASQUE, WESTSTRAND, LONDON."

Telephone: GERRARD 7021.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at

34 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

TO ASSISTANT MISTRESSES.

Immediate and January (1920) Vacancies.

Graduates, Undergraduates, and other well qualified Senior and Junior Mistresses, and Music, Kindergarten, and other Teachers seeking **immediate** appointments in Secondary and high-class Private Schools (Boys' and Girls'), or for the term commencing in **January next** are invited to apply at once to Messrs. GRIFFITHS, POWELL & SMITH, as above, who will send immediate notice of all the most suitable Posts.

Candidates should state full details as to their qualifications, and enclose copies of testimonials.

IMMEDIATE VACANCIES.

Two Mistresses wanted, one for ordinary Form work, the other for Lower Classes. Salaries, graduates, £150 to £300, non-graduates, £130 to £220. Secondary School. (**Suffolk**).—No. 100.

Assistant Mistress for English and Geography. Subsidiary: History, Latin, or Elementary Mathematics. Salary £90 resident. (**Wales**).—No. 097.

Assistant Mistress for Geography and Botany. Salary £90 resident. (**Ireland**).—No. 090.

Two Mistresses wanted, one for Science and Mathematics, and the other for good English and usual Form subjects. Roman Catholic. (**Sussex**).—No. 089.

Experienced Mistress wanted for Modern Geography and English. Salary £80 resident. (**Notts**).—No. 087.

Assistant Mistress wanted for good English, Latin, Mathematics, to Matric. standard. Good Churchwoman. Secondary School. Salary £100 resident. (**S. Africa**).—No. 081.

Assistant Mistress wanted for Mathematics and some Geography to Senior Cambridge standard. Salary £90 resident.—No. 080.

Assistant Mistress wanted. Graduate and Roman Catholic, able to prepare for Durham Matric. (**Durham**).—No. 079.

Assistant Mistress wanted for Latin, Arithmetic, Mathematics, to standard of School Certificate of Joint Board. Salary £100 resident. (**Devon**).—No. 076.

Assistant Mistress wanted for Mathematics. Roman Catholic by preference. Salary £120 resident.—No. 058.

Assistant Mistress wanted for good English and Botany. Salary £70 resident. (**Yorks**).—No. 046.

Assistant Mistress wanted. Graduate or Trained Teacher, for Mathematics and Science. Roman Catholic by preference. Salary £100 resident. (**Wales**).—No. 041.

Science Mistress wanted, with Botany as chief subject. Elementary Chemistry and Physics' Public High School. Initial salary £200. (**Lincs**).—No. 035.

Assistant Mistress wanted for Latin, Mathematics, and some Science. Salary £85 resident. (**Lancs**).—No. 033.

2 Assistant Mistresses wanted. (1) Well qualified and experienced teacher of French; (2) Well qualified and experienced teacher of History. Salary £250 each. Public Secondary School.—Nos. 977 and 978.

Assistant Mistress wanted with Degree, or good Higher Local Hons. in Mathematics. Salary £130 resident. (**Somerset**).—No. 044.

Assistant Mistress wanted for Latin, Arithmetic, English, and French. Salary £90 resident. (**Scotland**).—No. 893.

KINDERGARTEN MISTRESSES.

Kindergarten Mistress for important School in Ireland. Liberal salary.—No. 092.

Kindergarten Mistress wanted, able to prepare for N.F.U. Exams. Salary £130 non-resident. (**Scotland**).—No. 088.

2 Kindergarten Mistresses wanted. Salary £60 each. (**Wilts**).—No. 070.

Kindergarten Mistress wanted for large School near London. Roman Catholic by preference. Salary £80 resident.—No. 042.

Kindergarten Mistress wanted for good School in Scotland. Salary £70 resident.—No. 040.

JANUARY VACANCIES.

Assistant Mistress for English, Botany, and Latin. Salary £100 resident. (**Devon**).—No. 094.

Assistant Mistress for General English to Senior standard and some Mathematics. Salary £75 resident.—No. 086.

Assistant Mistress wanted for Mathematics and Geography. Salary £120 resident. Small high-class School. (**Kent**).—No. 085.

A large number of other resident and non-resident vacancies, in Public and Private Schools for English and Foreign, Senior and Junior, Assistant Mistresses.

Numerous posts for Junior Mistresses asking salaries from £35 to £50 resident.

50 Student-Governesses also required for superior Schools on mutual terms, namely:—Board' Residence, and Educational advantages in return for services.

Particulars of suitable Appointments in Public and Private Schools will be sent by Messrs. GRIFFITHS, POWELL & SMITH to English and Foreign Assistant Mistresses, and to Student Governesses, on application. Full details as to qualifications and copies of testimonials should be sent.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 690 for brief particulars of some of the Schools Messrs. Griffiths, Powell & Smith now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent gratis to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

SPECIMEN FREE COPY OF Stamp Collecting (60 PAGES),

The Popular Philatelic Educator,

To all Readers of "The Journal of Education and School World."

F. HUGH VALLANCEY, Publisher, 89 Farringdon Street, E.C.4.

Posts Vacant—continued.

SUNDERLAND EDUCATION AUTHORITY.

MUNICIPAL SCHOOL OF ART.

The Committee invite applications for the post of HEAD MASTER of the above School of Art.

Applicants should be possessed of a good education, with high qualifications in one or more branches of Art, with ability to organize and develop a large School of Art, and they must possess such qualifications as are required by the regulations of the Board of Education.

Salary £450, advancing by £25 per annum to £550. Forms of application, which must be returned not later than Saturday, 11th October next, may be obtained from the undersigned.

Canvassing will be a disqualification until after the first election of candidates.

HERBERT REED,
Chief Education Officer.
Education Offices,
15 John Street, Sunderland,
12th September, 1919.

PORTSMOUTH MUNICIPAL COLLEGE.

Principal: OLIVER FREEMAN, Wh.Sc., A.R.C.S., B.Sc.

Applications are invited for the following appointments now vacant:—

SENIOR LECTURER IN PHYSICS. Salary, £250—£10—£300, then by £25 each four years to maximum of £400.

LECTURER IN HYGIENE, &c., specially for work in connexion with the Training College for Women Teachers. Salary £200—£10—£250, then by £25 each four years to maximum of £350.

The commencing salary in the scale will be fixed according to the candidates' qualifications and experience.

Application forms and further particulars may be obtained by forwarding an addressed foolscap envelope to the SECRETARY, Offices for Higher Education, Municipal College, Portsmouth, to whom applications should be returned as early as possible, accompanied by copies of not more than three recent testimonials.

H. E. CURTIS,
Secretary.

BEDFORD BOROUGH EDUCATION COMMITTEE.

Applications are invited for the post of HEAD MASTER at the Ampthill Road Boys' Council School, to commence duties after the Christmas Vacation.

Forms of application, together with conditions and scale of salary, may be obtained from the undersigned on receipt of a stamped addressed foolscap envelope. Forms must be returned, completed, by noon, on 9th October, 1919.

S. C. GEORGE,
Education Secretary.
September 16, 1919.

ALLAN'S ENDOWED GIRLS' SCHOOL, NEWCASTLE-ON-TYNE.—ASSISTANT MISTRESS required in January, well qualified to teach Drawing and Nature Study, with some subsidiary subject. Experience and good discipline necessary. Salary £150 non-resident. Apply to the HEAD MISTRESS.

Posts Vacant—continued.

EAST SUFFOLK COUNTY EDUCATION COMMITTEE.

STOWMARKET COUNTY SECONDARY SCHOOL.

Required at once, a Permanent and a Temporary ASSISTANT MASTER or MISTRESS, to take general Form Work in the lower part of the School. Special qualifications in English an advantage.

Also required as soon as possible, and not later than January, 1920, an ASSISTANT MASTER or MISTRESS (Graduate), well qualified in Chemistry, to be responsible for the teaching of that subject throughout the School and to assist in the teaching of Arithmetic.

Scale salary:—Graduate: Men, £160 to £350; women, £150 to £300. Non-graduate: Men, £140 to £250; women, £130 to £220. Commencing salary according to experience. Application on Form 23, copy of which will be supplied on receipt of a stamped addressed envelope, to be returned at once to the undersigned.

W. E. WATKINS,
Hon. Clerk to the Governors.
Education Office, County Hall, Ipswich.
22nd September, 1919.

TYPEWRITING.—Authors' MSS.,

Examination papers, Letters, Circulars, general copying, duplicating, &c.—J. TRIMNELL, 8 Moira Terrace, Cardiff.

ST. SAVIOUR'S AND ST. OLAVE'S GRAMMAR SCHOOL FOR GIRLS, NEW KENT ROAD, S.E.1.

SCIENCE MISTRESS wanted, as soon as possible (or January), to take Physics, and possibly some Chemistry, in "advanced course" recognized by the Board of Education, and to assist in the general Science work of the School. Good Honours Degree and some experience essential. Salary according to qualifications and experience. Apply, with full particulars and testimonials, to HEAD MISTRESS.

CORNWALL EDUCATION COMMITTEE.

Wanted immediately, an ASSISTANT PHYSICAL TRAINING ORGANIZER, to visit Elementary Schools, to hold Teachers' Classes on the 1909 Syllabus of Physical Exercises, and to teach in a mixed Secondary School. Applicants must be fully trained and have had some years' experience. Salary scale: Men, £180, rising by £10 annual increments to £250; Women, £150, rising by £10 annual increments to £220.

Forms of application and further particulars, on receipt of stamped addressed envelope, may be obtained from the undersigned, to whom all applications must be sent at once.

F. R. PASCOE,
Secretary.
Education Department, County Hall, Truro.
22nd September, 1919.

BRISTOL.—REDLAND HIGH SCHOOL. Required for January, Geography Specialist, with elementary Botany and Physics. Also Mathematical Specialist to take Advanced Course work (temporarily). For particulars, apply the HEAD MISTRESS.

Posts Vacant—continued.

CITY OF CARDIFF EDUCATION COMMITTEE.

MUNICIPAL SECONDARY SCHOOL FOR GIRLS, HOWARD GARDENS.

Wanted, in January, MISTRESS FOR GYM NASTICS (Swedish System) AND GAMES. Good qualifications essential. Dartford training preferred. Salary scale £150 per annum, rising by £10 annually to a maximum of £240. Previous experience up to 5 years counted in fixing initial salary.

Forms of application, obtainable from the undersigned, must be returned by October 31st.

JOHN JACKSON,
Director of Education.
City Hall, Cardiff.
18th September, 1919.

STAFFORDSHIRE EDUCATION COMMITTEE.

UTTOXETER GIRLS' HIGH SCHOOL.

Applications are invited for the post of HEAD MISTRESS of the above School. Candidates must be graduates of a British University or have equivalent qualifications.

Initial salary, £300 per annum. Further particulars and forms of application can be obtained from the Director of Education, County Education Offices, Stafford. Forms must be returned by 8th October.

GRAHAM BALFOUR,
Director of Education.
County Education Offices, Stafford.
September, 1919.

MARITZBURG, NATAL.—Re-

quired for Girls' High School, in February: (1) SECOND FORM MISTRESS, offering French and Needlework. (2) THIRD FORM MISTRESS, with Mathematics to Matriculation standard and elementary Latin.

Apply, stating age, qualifications, experience, and enclosing testimonials and photo, to—A., 73 Manor Road, Wallington, Surrey.

HANTS COUNTY COUNCIL EDUCATION COMMITTEE.

ITCHEN COUNTY SCHOOL (NEAR SOUTHAMPTON)—BOYS AND GIRLS.

Wanted, at once, MASTER FOR PHYSICS. Mixed experience and Games desirable. Experience in teaching boys going into Engineering and allied trades a recommendation. Salary according to scale, with allowance for previous experience. £160—£10—£230—£15—£350. Application form on receipt of addressed foolscap envelope, to be returned at once to—DIRECTOR OF EDUCATION, The Castle, Winchester.

TYPEWRITING and Duplicating, MSS., &c.; accurate, prompt.—MILNER, 18 Cardigan Street, Cardiff.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for Mistresses for the September Term, 1919, and January, 1920, for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates:—

General Form Mistresses.

ASSISTANT MISTRESS required in January at a large Girls' School in the South of England, to teach English, Botany, and Latin. Salary £90 to £100, in addition to board and residence.—No. 14,588.

ASSISTANT MISTRESS, in January, to teach Latin and Mathematics in Girls' Private School within easy reach of London. Salary about £80, together with board and residence.—No. 13,123.

ASSISTANT MISTRESS, for the Autumn Term in Girls' Private School in London District to teach general English subjects. Salary £150 non-res.—No. 14,594.

ASSISTANT MISTRESS, in large Boys' Secondary School in North-east of England, to teach general subjects. Graduate essential. Initial salary £150, rising £10 to £330 non-res.—No. 14,598.

ASSISTANT MISTRESS, to teach English as main subject in large Grammar School in North-west of England. Graduate essential. Salary not less than £150 non-res.—No. 14,524.

ASSISTANT MISTRESS, for the Autumn Term or in the New Year to teach English and Mathematics, with subsidiary Latin or Science. Graduate essential, in important Girls' Boarding School within easy reach of London. Salary not less than £100.—No. 14,507.

ASSISTANT MISTRESS in Girls' Boarding School in South Africa, to teach general English subjects, including Mathematics. She will be required to take up her duties in February, 1920. Salary about £100, in addition to board and residence.—No. 14,384.

TWO OF THREE MISTRESSES in large Girls' College in India to offer general English subjects, Mathematics, Geography, and Latin. Members of the Church of England essential. Posts are resident, and good salaries will be given, according to qualifications.—No. 14,382.

ASSISTANT MISTRESS for the Autumn Term in Girls' Private School in London, to teach good Mathematics and Latin. Salary about £100, according to qualifications.—No. 14,353.

Mathematical and Science Mistresses.

SCIENCE MISTRESS required in Girls' High School in the Home Counties to teach Botany as main subject. Candidate looked for who has Honours degree. She will be required to take up her duties in January. Salary at rate of £130 res.—No. 14,608.

MATHEMATICAL MISTRESS in good-class Girls' Boarding School on South Coast. Geography would be a recommendation. Salary about £120, together with board and residence.—No. 14,556.

MATHEMATICAL MISTRESS in Girls' Private School in South-west of England. Salary about £100.—No. 14,537.

SCIENCE MISTRESS in Girls' Boarding School in the South-west of England, to teach Chemistry as chief subject. She will be required to take up her duties for the coming term. Salary from £100, together with board and residence, or the post could be held as a non-resident one at a corresponding salary.—No. 14,412.

MATHEMATICAL MISTRESS in Secondary School in the South of England, to teach Mathematics, with general Form Work, including elementary Science. Initial salary £140, rising by £10 to £210. The post will be a non-resident one.—No. 14,188.

Boys' Preparatory School Mistresses.

ASSISTANT MISTRESS to teach general Preparatory School subjects in Boys' Preparatory School in North Wales. Previous experience essential. Salary from £90, together with board and residence.—No. 14,596.

ASSISTANT MISTRESS for the Autumn Term, in Boys' Preparatory School in Home Counties, to teach Music, including Class Singing, with general Junior Form work. Salary about £90, together with board and residence.—No. 14,351.

ASSISTANT MISTRESS, in Boys' Preparatory School on South Coast, to teach general elementary English, including good Drawing. Salary about £60, together with board and residence.—No. 14,525.

ASSISTANT MISTRESS, in Boys' Preparatory School in Scotland, to teach Dancing, Drill, elementary Music, including general elementary Form work. Salary about £100, together with board and residence.—No. 14,495.

ASSISTANT MISTRESS, in January, for High School in the East of England. Froebel trained essential. Post non-resident one, and good salary according to qualifications and experience.—No. 14,609.

KINDERGARTEN MISTRESS, in January, in Girls' Private School within easy distance of London. Froebel Certificate essential. Salary about £65, together with board and residence.—No. 14,610.

JUNIOR MISTRESS, in Girls' Boarding School in London. She will be required to take Form II, including good Arithmetic in other Forms. Salary about £50, in addition to board and residence. The post could be held as a daily one, in which case the salary will be by arrangement.—No. 14,584.

JUNIOR MISTRESS, in large Boys' School in the North of England. Salary from £130 to £300 non-res., according to qualifications.—No. 14,589.

Modern Language Mistresses.

MODERN LANGUAGE MISTRESS required in January, in important Girls' School in the Home Counties. Post will be non-resident, and good salary according to qualifications and experience.—No. 13,774.

ASSISTANT MISTRESS, for the Autumn Term, to teach French in Girls' Private Boarding School in North of England. Salary up to £130, together with board and residence.—No. 14,502.

MODERN LANGUAGE MISTRESS in Boys' Grammar School within easy distance of London, to teach French or English as chief subject. Post will be non-resident, and good salary according to qualifications.—No. 14,541.

FRENCH MISTRESS, in Girls' Boarding School on the South Coast, either a native or English woman who has acquired her French abroad. Salary about £60.—No. 14,564.

Gymnastic Mistresses.

PHYSICAL CULTURE MISTRESS required in important Girls' Boarding School on the South Coast, to teach Swedish Drill and Games. Salary about £100, together with board and residence. The post could be held as a non-resident one at a corresponding salary.—No. 14,567.

PHYSICAL TRAINING MISTRESS, in Girls' Private School in London, to teach Gymnastics, Dancing, Games, and Eurythmics. The post could be held either as a resident or daily one, and in either case a good salary will be offered.—No. 14,470.

PHYSICAL CULTURE MISTRESS in Girls' College in Ireland, to teach Swedish Drill and Massage, with Dancing. Post will be resident, and salary offered from £60.—No. 14,590.

Music and Art Mistresses.

MUSIC MISTRESS to teach Piano Theory in an important College for Girls in S.W. England. Required as soon as possible. Salary £160 non-res.—No. 14,645.

ART MISTRESS required for the Autumn Term in a Mixed School in the North of England. Subjects should also include some Singing. Salary offered about £150 to £330 non-res. or £140 to £250 non-res., according to qualifications.—No. 14,604.

ART MISTRESS in large Girls' School in Home Counties, to teach Drawing throughout the School (Ablett's Drawing); also some general Junior Form work. Salary from £130 non-res., according to qualifications.—No. 14,605.

MUSIC MISTRESS to teach Piano throughout the School in a large and important Girls' School in the North of England. Salary about £90, together with board and residence.—No. 14,568.

MESSRS. GABBITAS, THRING & CO. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION, and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

MATHEMATICAL AND OTHER WORKS.

The Modern Geometry of the Triangle. By WILLIAM GALLATLY, M.A. 2nd Edition, 124 pages, price 2s. 6d. (by post 2s. 9d.).
Specimen pages and Synopsis free.

Tracts Relating to Higher Mathematics. By Rev. W. J. WRIGHT, M.A. No. 1.—DETERMINANTS. No. 2.—TRILINEAR COORDINATES. No. 3.—INVARIANTS. 5s. each, or 12s. 6d. for the three, if ordered together.

Synopsis of Pure Mathematics. By G. S. CARR, M.A. 34s. Also in Sections, prices on application.

Quadratic Equations. By Lt.-Col. ALLAN CUNNINGHAM. 12s.

OUTLINE MAPS AND DRAWING COPIES. As set at College of Preceptors Examinations.

Maps (assorted or alike). 1s. dozen, post free.

Elements of Applied Mechanics. By M. W. CROFTON. 7s. 6d.
Elements of Logarithms. By WILLIAM GALLATLY, M.A. 1s. 6d.

Italian Conversational Course. Prof. TOSCANI. 5s.
Italian Reading Course. Prof. TOSCANI. 3s. 6d.
Public School Modern Handwriting. By R. WENLOCK. 6d. Also **Public School Modern Arithmetic.** 4d. (With Answers. 6d.).
Mythological Rhymes. By Sir R. G. BAGGORRE. 116 pages, 4s.
Historical Rhymes. By Sir R. G. BAGGORRE. 144 pages, 1s. 6d.

Drawing Copies (assorted or alike.) 1s. 9d. dozen, post free.

THE HAMILTONIAN SYSTEM.

A Short and Easy Method of Learning a Foreign Language by a close Interlinear Translation.

LATIN.

Caesar, Books I-VI. 4s. 6d. Sallust, Catiline. 2s.
Gospel of St. John. 2s. 6d. Jugurtha. 3s.
Eutropius. 1s. 6d. Cornelius Nepos. 3s. 6d.
Virgil, Aeneid, I-IV. 3s. 6d.
Selectae e Profanis Historiae, Vol. I. 2s. 6d.; Vol. II. 3s. 6d.

GREEK.

Gospel of St. John. 3s.
Xenophon's Memorabilia. 3s.

SPANISH.

Gospel of St. John. 2s. 6d.

FRENCH.

Gospel of St. John. 3s. 6d. Perrin's Fables. 1s. 6d.
French Verbs. 1s. 6d. Recueil Choisi. 3s. 6d.
Little Jack. 2s. 6d. Télémaque, I-VI. 3s. 6d.

ITALIAN.

Notti Romane. 3s. 6d. Silvio Pellico. 2s. 6d.

GERMAN.

Robinson der Jüngere, Text. 2s. 6d.; Translation. 3s. 6d.
Gospel of St. John. 2s. 6d.

FRANCIS HODGSON (Estd. 1884), 89 Farringdon St., London, E.C.4. Catalogue free on application.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

WANTED, for a Factory in the South-west of England, a LADY, fully qualified, to teach Games, Gymnasium, and Dancing. Experience in Club work would be most helpful. Please state qualifications, age, and salary required. Address—No. 10,897.*

HEAD MISTRESS for Community School (South of England) required January 1920. Salary £250, rising to £350, non-resident. Degree and experience essential. Age about 35. Apply, with copies of testimonials, to Address—No. 10,899.*

ST. GEORGE'S SCHOOL FOR GIRLS (Incorporated), GARGSCHE TERRACE, EDINBURGH.—Wanted, in January, 1920 (1) FRENCH MISTRESS (Second), Honours degree or good French qualification and residence abroad and training desired. Initial salary £150 to £200. (2) JUNIOR MISTRESS. Higher Certificate National Froebel Union. Initial salary from £130 to £150. Salary scale and pension scheme under consideration. Apply at once, with copies of testimonials to the HEAD MISTRESS.

TYPEWRITING, DUPLICATION, &c.—Letters, Circulars, Testimonials, Confidential Documents, MSS., &c. Efficient service; moderate terms.—HORACE MANN, 11 Aberdeen Walk, Armley, Leeds.

RESIDENT MISTRESS, with some Kindergarten experience, wanted January, or sooner, for Preparatory School in Cheshire. Full Certificates not essential. Time for reading. State age, salary, qualifications. Address—No. 10,905.*

ASSISTANT (Lady) wanted, October, for Women's Physical Education Training College, McGill University, Montreal, Canada. Competent to teach Remedial Gymnastics. Theory and Practice of Massage, elementary Gymnastics, Theory of Movement, and Hygiene. Salary £250 non-resident. For further information apply to Address—No. 10,906.*

ST. MARTIN'S HIGH SCHOOL, 15 Charing Cross Road, London, W.C.2.—**MUSIC MISTRESS** wanted at half term. Matthey method desirable. Apply at once to the HEAD MISTRESS.

Posts Vacant—continued.

WORCESTERSHIRE COUNTY COUNCIL EDUCATION COMMITTEE.

REDDITCH SECONDARY SCHOOL.

Applications are invited for the post of HEAD MASTER of the above School. The School is a mixed School, recognized under the Secondary School Regulations. Seven pupils gained First Class Honours in the recent Cambridge Senior Local Examination. New School premises are about to be built.

Commencing salary £500 per annum. Further particulars regarding the post may be obtained from the undersigned, to whom applications (on forms to be supplied) should be sent not later than October 18th. A. W. PRIESTLEY, Director of Education.

County Education Office,
37 Foregate Street, Worcester.
23rd September, 1919.

WORCESTERSHIRE COUNTY COUNCIL EDUCATION COMMITTEE.

REDDITCH SECONDARY SCHOOL.

ASSISTANT TEACHERS are required at the above School as follows, to take up their duties immediately:—

(1) ASSISTANT MASTER, qualified to teach elementary Physics and Chemistry and ordinary Form subjects to a Lower Form (average age 12).

(2) ASSISTANT MISTRESS, qualified to teach Needlework and junior French.

Candidates must be capable teachers with good qualifications. Salary according to scale.

Applications should be sent as soon as possible to W. RIGBY, Esq., B.A., Head Master, Secondary School, Redditch.

Application Forms (No. 279) and Scale of Salaries to be obtained from the DIRECTOR OF EDUCATION, County Education Office, 37 Foregate Street, Worcester.

SOUTH AFRICA.—Ex-Service

Men, graduates (single), trained, requiring information regarding posts in South Africa as Teachers in Preparatory and Secondary Boys' Schools, should write to the EDUCATION SECRETARY, 23 Army and Navy Mansions, Victoria Street, S.W.1.

WANTED, to teach Botany, Chemistry, Physics, MISTRESS with University Degree. Address—No. 10,898.*

ALL SAINTS' DIOCESAN

COLLEGE, NAINITAL.—Wanted, in January, on a three year's agreement:—(1) MISTRESS for Training Department. English degree and training. Salary Rs. 200-250 p.m. (2) KINDERGARTEN TRAINING MISTRESS. N.F.U. Higher Certificate. Salary Rs. 150 p.m. (3) HEAD MUSIC MISTRESS. A.R.C.M. or equivalent. Salary Rs. 150-200 p.m. Address—Sister ROSK, C.H.F., 79 West Cromwell Road, London, S.W.5.

Posts Vacant—continued.

TUTOR IN MATHEMATICS

(man or woman) required for a College in Cambridge. Must be a Graduate in high honours, preferably of London University. Salary £340 a year. Apply, stating fully qualifications, experience, and age, to MATHEMATICS, c/o University Book Co., 48 Southampton Row, London, W.C.1.

DUNDEE EDUCATION AUTHORITY.

ORGANIZER OF EDUCATION.

The Education Authority invite applications for the post of ORGANIZER OF EDUCATION. The salary attached to the post will be £750 per annum, rising by annual increments of £50 to a maximum of £1,000 per annum. Canvassing the members of the Authority directly or indirectly is prohibited.

Full particulars regarding the duties of the office, along with the official form of application, may be obtained from the undersigned, with whom applications and 23 copies of not more than three recent testimonials (not returnable) must be lodged not later than Tuesday, 21st October, 1919.

JOHN E. WILLIAMS, Executive Officer.
Education Offices, Dundee.
20th September, 1919.

COWLEY GIRLS' SCHOOL,

ST. HELENS. (Endowed Secondary, 400 pupils).—Required, January next, MISTRESS to take charge of the Botany and Zoology of the Advanced Science Course. Honours degree indispensable. Initial salary to experienced teacher £250. Letters of application should give full details of education, experience, &c., and be sent to HEAD MISTRESS.

LAWNSIDE, GREAT MALVERN.

—Required, in September, MISTRESS to teach English and Botany. Graduate. Some experience essential. Commencing salary, £130; board, residence.

Application, with photograph and testimonials, to be sent at once to the PRINCIPAL.

WANTED, in January, experienced

resident MUSIC MISTRESS; Class Singing desirable. Sandcotes School, Parkstone, Dorset.—Apply to HEAD MISTRESS.

TOO LATE FOR CLASSIFICATION.

ELUCUTION AND SINGING.—

CORDELIA COE (Cert. R.A.M.) gives Private Lessons in the above. Schools attended. Plays produced. For terms apply by letter—63 Biddulph Mansions, Maida Vale, W. 9.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Truman & Knightley

SCHOLASTIC AGENTS LTD

TO ASSISTANT MASTERS ASSISTANT MISTRESSES LADY MATRONS

Candidates seeking appointments for next term in Public or Private Schools at home and abroad should apply to Messrs. Truman & Knightley, who have already a large number of January vacancies on their books.

There is no charge for registration. The requirements of each applicant receive careful consideration and attention, and the commission charged to those for whom an appointment is secured is very moderate.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over Schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

OFFICES:

158-162 OXFORD STREET, LONDON, W.1.

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

BLACKIE & SON'S NEW LIST

Experience has proved that Messrs. BLACKIE & SON'S Books take a foremost place by reason of their scholarly editing, clear type, strong binding, and reasonableness in price.

A NEW SERIES OF FRENCH HISTORICAL READINGS FROM ORIGINAL SOURCES.

ÉPISODES MÉMORABLES DE L'HISTOIRE DE FRANCE.

General Editor: LOUIS A. BARBÉ, B.A., Officier d'Académie.

PRISE DE LA BASTILLE, from Michelet's *Histoire de France*.
LA ROUTE DE VARENNES, " " "
LES FRANÇAIS A LA 1^{re} CROISADE, " " "

STRONGLY BOUND IN LIMP CLOTH. PRICE 9d. EACH.

BLACKIE'S LONGER FRENCH TEXTS.

From Modern French Literature. Printed in large, clear type, with brief Notes, Exercises, Phrase List, and Vocabulary. Fcap. 8vo, 10d. net each.

COURS DE FRANÇAIS, d'après les Textes.

By M. ANCEAU and E. MAGEE, Edgbaston High School for Girls, Birmingham. Cloth boards, 2s. 6d. net.

A SKELETON FRENCH GRAMMAR.

By Professor ATKINS, M.A., King's College, London. The "irreducible minimum" printed in red and black. 1s. 6d. net. With Exercises, 2s. 6d. net. Exercises only, 1s.

A JUNIOR FRENCH COURSE (First Year).

By E. J. A. GROVES, Lic. ès L. (Senior French Master, Bradford Grammar School). Fully Illustrated. Cloth extra. 2s. 6d. net.

BLACKIE'S LITTLE FRENCH CLASSICS.

Representing all important French Authors from Montaigne to Bourget. Fcap. 8vo. 6d. each.

LE LIVRE ROUGE.

A First Book of French in Coloured Pictures. By E. MAGEE, Edgbaston High School for Girls, Birmingham. With many full-page Coloured Pictures and other Illustrations. Fcap. 4to. 2s. 6d. net.

LE LIVRE BLEU.

A Second Book of French in Coloured Pictures. By E. MAGEE. With sixteen full-page Coloured Pictures and many other Illustrations. 2s. 6d.

A NEW GRAMMAR BOOK.

By AGNES CATNACH, B.A. (Lond.) Assistant Mistress at King Edward's Girls' High School, Birmingham. 2s. 6d. net.

This book seeks to connect more closely the formal study of language with adequate expression of thought, and to attain this end all the work is based on the study of the sentence. It is hoped that to children studying on these lines English Grammar will be a subject of living interest and that the various facts of grammar will gain that logical connexion which they so often seem to lack.

The matter has been set forth as simply as possible, and in a manner to retain the interest of the pupil.

THE GOLDEN BOOKS OF ENGLISH VERSE.

A Graduated Course for Class study. Arranged by FRANK JONES, B.A., Senior English Master, King Edward's School, Aston, Birmingham.

In Three Books. Book II, now ready. 2s. net. Books I and III. In preparation.

The chief feature of this series is the teaching apparatus provided at the end of each poem. The objects kept in view in drawing up these aids have been to save the teacher's time, and to provide the pupils with an instrument by which they might test the thoroughness or otherwise of their understanding of the poem studied. Each teacher will no doubt supplement them as necessity arises; and to the pupils who have studied a poem in order to answer the questions asked, the aids will suggest other points for further consideration with the help of the teacher.

THE WARWICK SHAKESPEARE.

General Editor: Prof. C. H. HERFORD, Litt.D., Professor of English Language and Literature in the University of Manchester, Examiner of English in London University. The text of each play is accompanied by an Introduction, Notes, Glossary, and an Essay upon Metre. The "Warwick Shakespeare" holds place as the standard edition for the more advanced study of Shakespeare as literature, and is now universally recognized as the best annotated edition for school use. Crown 8vo, cloth boards, 2s. each net.

THE PLAIN-TEXT POETS.

With Introductions by teachers of experience and position, but no further notes are given. With Frontispiece, neatly bound in cloth covers, limp, 10d. each.

A BOOK OF ENGLISH HISTORY FOR CHILDREN. Part 1.

By LILIAS MILROY, Head Mistress of the Leamington High School for Girls, and ELIZABETH M. BROWNE, formerly Assistant Mistress in the Truro High School for Girls. 2s. 6d. net.

This history book seeks to steer a course between those mere "outlines," which are bound to be lacking in interest for young children, and the books of stories from history, often delightful to the readers, but apt to be rather too bulky for use as textbooks. The aim of the authors has been to select carefully the more important movements and the more picturesque incidents of history, and in connexion with these to give those ample details which children love, and at the same time to preserve a clear chronological sequence.

A RAPID SURVEY OF ENGLISH LITERATURE.

By E. H. BLAKENEY, M.A., Winchester College. 2s. net.

"A wonderfully comprehensive selection of brief characteristic extracts, with notes of the times and peculiarities of the writers, and will be found a very interesting book."—*Guardian*.

ENGLISH PROSE EXTRACTS FOR REPETITION.

Selected and edited by E. H. BLAKENEY, M.A. 9d. net.

"Mr. Blakeney has done very useful work in producing this little book of prose extracts, fine examples of prose for the use of schools. Extracts from writers such as Gibbon, Scott, Matthew Arnold, Shorthouse, Pater, George Meredith, Ruskin, and some quite recent writers are brought together."—*Times*.

THE JUNIOR SCHOOL SHAKESPEARE.

A series of the greater Plays, edited, with Introduction, Notes, &c., by Experienced Scholars, for Junior Students and Junior Candidates in the University Local Examinations. The Plays are edited chiefly from the literary standpoint, although philological notes, where such are required, are given. Clearly printed and neatly bound in limp cloth covers. With Coloured Frontispiece. 10d. each.

THE PLAIN-TEXT SHAKESPEARE.

A neat edition of the greater plays of Shakespeare, presented in a serviceable form at a cheap price. The text follows the well-known Junior School Shakespeare, which omits everything which might be thought undesirable in class reading. Cloth covers, 7d. each.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.

AND AT GLASGOW AND BOMBAY.

Supplement to THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 603.

OCTOBER 1, 1919.

SOME RECENT & FORTHCOMING PUBLICATIONS.

MODERN LANGUAGES.

French.

LE FRANÇAIS POUR TOUS par la méthode directe. By NOELIA DUBRULE. 12mo, cloth. 264 pages. Illustrated. 4s. net.

An introductory course in French, the object of which is to help the pupil to speak fluently, clearly, and distinctly, to give him the ability to read small news items in French newspapers, to write simple French letters, and to acquaint him with the fundamentals of French grammar. The exercises for oral work are numerous, varied, and interesting; as an aid to the acquirement of a vocabulary there are many interesting *jeux de mémoire*; and *chansons* with their accompaniments form an integral part of the book. The volume has a distinctly French atmosphere.

DE L'UNIVERSALITÉ DE LA LANGUE FRANÇAISE. By ANTOINE RIVAROL. Edited by W. W. COMFORT. vi + 62 pages. (In preparation.)

This reprint of the successful thesis submitted in competition for the prize offered by the Berlin Academy in 1783 in answer to the questions: "What has made French a Universal Tongue?" "Why does it deserve this Fame?" "May it be expected to preserve it?" forms a logical introduction to the study of French literature. The text is distinguished by that clarity of style and small vocabulary of general words which marked the best writings of the 18th Century, and is well adapted for study in the upper forms of Secondary schools, as well as by students of University standing.

Spanish.

PRIMERAS LECCIONES DE ESPAÑOL. By C. MARCIAL DORADO. 307 pages. Illustrated. 4s. net.

A first course in Spanish which seeks to simplify and to render as attractive as possible the learning of the language. Every lesson is short and contains only the words in common use; tedious rules have been avoided, but there are brief explanations with sufficient exercises to teach the student the essential points of grammar. The material for oral work, reading, &c., is of great variety, and includes stories and anecdotes from Spanish folk-lore, rhymes and riddles, songs with their accompaniments and games. The book includes some 30 black-and-white illustrations which form excellent bases for conversation, and a complete vocabulary.

COBA Y LAS COSTUMBRES COBANAS. By FRANK C. EWART. 157 pages. Illustrated. (In preparation.)

This reader consists of 14 sketches describing Cuba, its capital Havana, and the customs of its people. At the end of the book, which is well illustrated from photographs, are questions for conversation, exercises designed primarily for the purpose of illustrating idiomatic expressions, notes explaining geographical and historical allusions, as well as grammatical difficulties encountered in the text, and a complete vocabulary containing not only all words which are alike in both languages, but all irregular verb forms used, including radical changing verbs, thus making it possible to use the text early in the student's course.

NUMBER STORIES OF LONG AGO.

By DAVID EUGENE SMITH, Professor of Mathematics in Teachers' College, Columbia University. 142 pages. Illustrated. 2s. 3d. net.

NUMBER STORIES OF LONG AGO gives, in the form of stories told to children, a brief history of the science of numeration in different countries and ages. It tells among other things of the world's attempts to count, and of the methods of writing numbers adopted by the people of the ancient world; describes the evolution of the modern adding machine from the Roman *abacus*, and narrates how the children of long ago multiplied, divided, and wrote fractions. The book is a mine of information on a subject which has an important place in every child's school life, and on this account will interest both the pupil and his teacher. It contains many illustrations, eight of which are in colour, and a collection of curious old number puzzles.

NUMBER PUZZLES BEFORE THE LOG FIRE.

By the Author of *Number Stories of Long Ago*. 14 pages. 6d. net.

NUMBER PUZZLES BEFORE THE LOG FIRE consists of the number puzzles given in *Number Stories of Long Ago*, together with their solutions.

"Prof. D. E. Smith has successfully filled a gap by writing a booklet on the early history of numbers that will be the delight of the young, and will prove a 'mine of interesting information' to many of their elders. Even as a mere 'reader' his charmingly written and beautifully illustrated 'Number Stories of Long Ago' is well calculated to sow the good seed. Where it falls on fruitful soil the results may not indeed be immediately manifest, but may ultimately astonish that large section of the community who hold that all that deals with number is inherently unattractive, or even repulsive, to mortals."—*Nature*.

GENERAL METHODS OF TEACHING IN ELEMENTARY SCHOOLS. By S. C. PARKER. 12mo, cloth, xx + 332 pages. Illustrated. (In preparation.)

A simply written treatise on methods of teaching in the elementary school (including the kindergarten), suitable for the practical teacher and the training college student. The book is divided into two parts: Part I—The Fundamental Points of View; Part II—Learning Processes: General Aspects. The results of modern research in education furnish, wherever possible, the bases for the various discussions, but, where these are lacking, the author has relied upon such authoritative writings as those of William James. Much of the concrete material with which the book abounds has been derived from the demonstration school attached to the School of Education, University of Chicago, though other sources have also been drawn upon. The book contains about 50 illustrations, and at the end of each chapter there is a useful classified bibliography.

ELEMENTARY BIOLOGY: An Introduction to the Science of Life. By B. C. GRUENBERG. x + 528 pages. Illustrated. (In preparation.)

An introduction to biology for the sixth form student and general reader, the leading motive of which is man's conquest of his surroundings through the acquirement and application of more and more trustworthy knowledge. Stress has been placed upon the dynamic by speaking of what plants and animals do, and how they do these things, and in the selection, and arrangement of material, the author has avoided the arbitrary divisions of the specialist. In order to give the teacher the opportunity to select material according to individual preferences, local and temporary conditions, &c., the book contains more material than can be used by one class of students. The relation of science to human welfare is illustrated by the introduction of an unusual amount of quantitative material, chiefly in the form of graphs; pictures and diagrams have also been inserted for the presentation of structural details, which would otherwise require elaborate descriptions in the text.

GINN & CO., Publishers, 9 St. Martin's St., Leicester Sq., London, W.C. 2.

"IT IS CLEAR

that a capable agent who has pursued his calling for years will have gathered, by visits, by personal interviews, and by correspondence, a globe of precepts, and that his profession of recommending schools is no idle pretence."

The Journal of Education, June, 1916.

This is the definition, by a competent judge, of what should constitute a
USEFUL SCHOLASTIC AGENT.

It may be presumed that no one would knowingly make trial of the services of any other kind, but it is still true that a proportion of Principals are induced to yield to the importunities of plausible and worthless concerns, with the resultant loss and disappointment that might be expected. This is a disillusioning experience for which there is no necessity. The established, reliable Scholastic Agencies are not many in number, and they are well known, and their record and standing easily to be ascertained. As one of these we have a sufficient claim to clients' confidence. If, further, we obtain the greater share of Parents' Inquiries, we also take unusual pains to secure them.

As a result, few days pass without at least one letter of thanks from parents who appreciate the assistance we have given them. Principals are equally generous in expressing their indebtedness.

The following extracts are from recent acknowledgments:—

"When I first came here I spent over £50 in six months, advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of 'venturing' on another boarding house."

"Two years ago you sent me a pupil named ———. Through her parents I have had **four** good pupils this year from four different places, and through two of these I have **five** more coming this term: that is ten pupils from paying **one** commission."

If you have not yet made trial of our services, we shall be glad to hear from you, with particulars of your School.

J. & J. PATON, Educational Agents,

143 CANNON STREET, LONDON, E.C. 4. Telephone: Central 5053.

THE EDINBURGH MEDICAL SERIES.

THE LAWS OF HEALTH FOR SCHOOLS.

By A. M. MALCOLMSON, M.D.

Containing 35 Illustrations. Crown 8vo, cloth.

Price 2s.

DISEASES OF CHILDREN.

By A. DINGWALL-FORDYCE, M.D.,
F.R.C.P.E.

Containing 32 full-page Plates (8 of them in colour) and 84 Illustrations in the text. Crown 8vo, cloth.

Price 12s. 6d. net.

RADIOGRAPHY AND RADIOTHERAPEUTICS.

By ROBERT KNOX, M.D. Edin., C.M. Edin.,
M.R.C.S. Eng., L.R.C.P. Lond.

Third Edition. Containing 90 full-page Plates and over 400 Illustrations in the text. Super royal 8vo, cloth in two volumes.

Vol. I, Radiography. Price 35s. net.

Vol. II, Radio-Therapeutics. Price 18s. net.

TUBERCULOSIS OF THE BONES AND JOINTS IN CHILDREN.

By JOHN FRASER, M.D., F.R.C.S.E., Ch.M.

Containing 51 full-page Plates (2 of them in colour), and 164 Illustrations in the text. Super royal 8vo, cloth.

Price 20s. net.

DISEASES AND INJURIES OF THE EYE.

By WILLIAM GEORGE SYM, M.D., F.R.C.S.E.

Containing 25 full-page Illustrations (16 in colour).

Crown 8vo, cloth. Price 12s. 6d. net.

PRACTICAL PATHOLOGY, MORBID ANATOMY, AND POST-MORTEM TECHNIQUE.

By JAMES MILLER, M.D., F.R.C.P.E.

Containing 111 Illustrations and a Frontispiece in colour.

Crown 8vo, cloth. Price 12s. 6d. net.

CEREBRO-SPINAL FEVER.

THE ETIOLOGY, SYMPTOMATOLOGY, DIAGNOSIS, AND TREATMENT
OF EPIDEMIC CEREBRO-SPINAL MENINGITIS.

By CECIL WORSTER-DROUGHT, M.A., M.B.,

Captain (Temp.), R.A.M.C.; and

ALEX. MILLS KENNEDY, M.D.,

late Captain, R.A.M.C.

Demy 8vo, cloth, with 8 full-page Plates and 56 line Illustrations and Charts in the text.

Price 30s. net.

THE POCKET CLINICAL GUIDE.

By JAMES BURNET, M.A., M.D., M.R.C.P.E.

Second Edition. Foolscap 16mo (4½ by 2½), cloth.

Price 2s. net.

THE POCKET PRESCRIBER.

By JAMES BURNET, M.A., M.D., M.R.C.P.E.

Fifth Edition. Foolscap 16mo (4½ by 2½), cloth.

Price 1s. 6d. net.

A. & C. BLACK, Ltd.,
4, 5, & 6 Soho Square, London, W. 1.

REVIEWS AND MINOR NOTICES.

ASPECTS OF CO-EDUCATION.

Advance in Co-education. Edited by ALICE WOODS.

(3s. 6d. net. Sidgwick & Jackson.)

There is a conspicuous lack of unity in this little volume, which is not surprising when one realizes that it is the work of fifteen different writers, all of whom have strong individual views. The editress does her best to pull things together in her excellent chapter on Principles, where the reader gets, at any rate, a general idea of what underlies the whole; but one wonders whether her contributors had an opportunity of reading this chapter. Mr. Homer Lane, who provides an introduction, at the end of which he half apologizes for giving his own opinions and observations on co-education instead of performing "the usual duties of one who introduces a book," is more concerned with his favourite topic of authority than with the subject under discussion. Miss Maude Royden, in her turn, treats co-education as a mere side issue in the great movement of feminism, and is in doubt whether that movement is at present ready for the utilization of co-education. She is honoured with "A Reply" by Mr. John H. Badley, who assures her that all is well, and the Woman's Movement may safely welcome the offered alliance. "The Human Aspect" is sanely and sympathetically treated by Mr. and Mrs. Platt; "The Parents' Point of View" is presented with vigour and insight by Mrs. Ethel Wedgwood; while that of "The Former Schoolboy" and "The Former Schoolgirl" are well stated by Mr. Zilliacus and Miss Horne respectively. Mr. O'Neill is somewhat florid and ecstatic in his dealings with "The Elementary Side." Mr. Cecil Grant deals tactfully yet frankly with "Purity," while Mr. Kenneth Richmond supplies the most technical chapter in the book, in which he deals with the psychoanalytic aspect of co-education under the title of "Boy and Girl Friendships"; Miss Margery Fry supplies a bracing but all too brief chapter, "On University Life," followed by an interesting and judicious treatment of "Countries other than England"; the whole being concluded by a flamboyant chapter on "Hopes," by Mr. John Russell.

The spirit of the whole is excellent; the individual contributions mercifully brief and pointed, though not always to the point suggested by the title of the book. Miss Woods is to be congratulated on this addition to the work she has so much at heart. The book is to a certain extent to be regarded as reporting progress since the appearance of her "Co-education" in 1903. On the whole she is justified in calling the present work an "Advance." But if she prepares still a third volume, as she suggests, she would be well advised to face one great difficulty that is scarcely noticed in the present. It is tacitly assumed that the gentleness of the girls will tone down the roughness of the boys, and the greater firmness and self-reliance of the boys will brace up the girls. Now, a well known Chief Inspector of Schools was open-minded enough to send his children to a co-educational boarding school, and as a result found that his girls were becoming "tom-boys" and his boys "misses." Other parents have expressed the same views. It lies with the co-educationists to show reason why each sex should copy the good rather than the evil in the other; at present they either calmly beg the question or fall back upon a vague optimism that declares that human nature is on the up-grade and necessarily moves higher. A second point that needs elaboration is the evidence of psychoanalysis. Miss Woods shows courage as well as insight when she includes Mr. Richmond's present contribution. The reader will no doubt regret that the chapter is not so full as its author hints he would have liked to make it. But, even as it stands, it bears eloquent testimony to the important bearing psychoanalysis is going to have on this question of co-education—and its influence is going to be on the *pro* side. What the discussion needs is scientific data, not dogmatic statements like: "We must not forget that there is usually between the opposite sexes a perfectly normal attraction, which (however we may account for its origin) is not 'erotic' in tendency." Here we have the contributor calmly assuming as an unques-

tioned fact a statement that would be hotly disputed by a certain school. So with the tiresome iteration which explains every apparent inferiority of girls to boys—"Is it not due to tradition and convention fostered by separate training?" This question is unanswerable one way or the other, and the implied argument has now earned decent burial. Co-education is in no need of such doubtful buttressing, as this volume itself proves.

PERSONAL AND SCHOOL HYGIENE.

- (1) *The Principles of Mental Hygiene.* By Dr. W. A. WHITE. (10s. 6d. net. Macmillan.) (2) "English Public Health Series."—*The Story of English Public Health.* By Sir MALCOLM MORRIS. *Infant and Young Child Welfare.* By Prof. H. SOURFIELD. (5s. net each. Cassell.) (3) *The Care of the Nose and Throat.* By W. STUART-LOW. (3s. 6d. net. Baillière.) (4) *Diseases of the Ear in School Children.* By Dr. J. K. LOVE. (5s. 6d. net. Bristol: Wright. London: Simpkin.) (5) *Simple Beginnings in the Training of Mentally Defective Children.* By MARGARET MACDOWALL. (3s. 6d. Local Government Press Co. [R. T. Leach].)

The story of the evolution of public health explains the multiplicity of the organizations caring for the health of the individual, the occurrence of overlapping, and the need for some measure of consolidation. The history really begins concurrently with that of general elementary education with the "new philanthropy" of the early Victorian period.

At first the connexion between the sanitary and education services was limited to precautions taken in connexion with epidemic diseases. Though Chadwick, in 1861, had advocated the formation of "a special sanitary service applicable to schools for the correction of the common evils of their construction and the protection of the health of the children," it was not until 1907 that such a system was legally established. The foundations of school hygiene had, however, been established prior to this by researches of Dr. Kerr and other medical officers appointed by the more advanced School Boards.

Under schemes now in force, the individual is provided with facilities for medical inspection and treatment throughout life, by the agency of infant welfare centres, nursery schools, school clinics, factory surgeons, and the arrangements under the Insurance Acts. Attention will thus be seen to be concentrating more and more on the treatment of the individual, and educationists should be on their guard lest the subject of the hygiene of education—school hygiene in the broadest sense—be somewhat relegated to the background. Many will therefore welcome the retention of a medical department at the Board of Education, despite the transference of duties as regard medical inspection and treatment to the Ministry of Health.

Dr. Mead, in 1720, wrote: "As nastiness is a great source of infection, so cleanliness is the greatest preservative." This has been the key-note to subsequent action. Dr. White (1) supplements this by showing that, though it has always seemed natural to attempt to secure improvements in living and greater happiness by approaching the problem from without, in modifying the environment the individual as well must be considered and the problem approached from within. The individual must consider his share in the relation to individual environment which makes up social life, and modify his conduct so as to change the relation to his own advantage. In this education plays a large rôle.

Many as are the evils arising from failures in cleanliness in the broader sense, one of the most important—chronic catarrh—is usually strangely unconsidered. All the above-mentioned authors, in one form and another, emphasize this point. Chronic catarrh involves lowered health and vitality. These lessen the child's interest in his environment, and add to the task of the teacher. Deafness and ear disease from this cause nearly always arise in the earlier years of school life, and, though amenable to early and continuous treatment, are resistant to intermittent treatment commenced after the con-

ditions are firmly established. Parents tire of the continuity, and so lose what has been gained; encouragement is therefore very necessary.

For those deaf from birth or early age there is nothing more important than special education from the first possible moment, since, whatever the potential mentality, the uneducated deaf mute sinks to the level of the imbecile. From this standpoint it is greatly to be regretted that deafness is a statutory excuse for the withholding of education until the age of seven, which means that the most valuable time for sense training may be irretrievably lost. In no branch of education is it more important to keep a child in the highest possible form of school as much as may be in contact with his normal fellows, rather than to allow him to become isolated by the use of a specialized sign language understood by but few. Early diagnosis is therefore urgent; Dr. Kerr Love (4) suggests the simple rule that the child who cannot hear a whisper at six feet is unfit for ordinary school classes.

Now that continuation schools will retain children to an age at which they begin to reason for themselves instead of assimilating uncriticized the statements put before them, more can be done in the way of education for civic life and parenthood. Teachers who contemplate courses on practical domestic economy and home-building will therefore welcome a book on infant welfare which treats of the subject largely from this standpoint, and gives information on the agencies which care for the family and the home, as well as matters of personal care of infants and suggestions for syllabuses and class methods.

For many years a knowledge of the psychology of the intellectual processes has been a part of the armamentarium of the teacher; a knowledge of recent work on the instincts and emotions, and the mechanisms of character formation, is perhaps even more important to those who have to deal with the adolescent. Many naughty or difficult children are wrongly classed because they are misunderstood. The practice of attaching specially trained psychologists to schools and juvenile courts merits special attention; but a diagnosis must not be expected to follow a single examination of an individual, as is too often required at present. All factors, internal and external, must be weighed. Social inadequacy is not solely a matter of intelligence, and the problems need patient investigation, free distortions which may arise from either sentimentality or moral indignation.

A mentally defective child offers problems of management to the parent as well as the teacher which may be beyond their ordinary experience. A simple guide to training, such as is provided by Miss Macdowall (5), may be said to fill a long-felt want. No child is so bad but that some improvement may occur, and so long as advance is being made there is always the hope of more to follow; the difficulty for the untrained helper is to bring himself to the necessarily low mental level required to make a start.

CLASSICS.

Beginner's Guide to Latin. By G. G. LOANE.
(2s. 6d. Rivingtons.)

To write a good beginner's book is a difficult task. What to insert and what to omit requires great experience and sound judgment, and, after all, time alone decides whether the result is a success. Mr. Loane takes a line of his own; he relies merely upon translation from Latin into English, and does not use translation from English into Latin. His plan is to give a portion of accidence and then continuous passages as exercises. He has no special vocabularies, but one general vocabulary at the end. The arrangement is decided by "convenience," and the whole accidence and much elementary syntax is covered. There are 120 exercises, and the book should be gone over in a year. Some quantities are marked, but it is difficult to see on what principle, e.g. *prospere*, *recte*, *genu*, *genuis*; there are mistakes in *deinde*, *memoria*, *praetereo*, *religio*; *feles* is omitted (see pages 47, 68, 85, 95). The third plural of *amavero* is *amaverint*, not *amaverunt* (page 29); in §§ 38, 83, and 84 the feminine forms are not clearly put. *Panis* is in the wrong gender twice on page 94. Some rare and difficult words might be avoided, e.g. *absque*, *bubile*, *aenigma*, *gulosus*, *collare*, *zona*. Indeed it would, we think, be

better to restrict the vocabulary for beginners considerably more than Mr. Loane has done.

- (1) *Elementary Latin Elegiac Verse Composition*. By R. MELDRUM. (2s. 6d. Rivingtons.) (2) *Latin Elegiac Verse Composition*. By the same Author. (5s. Rivingtons.)

These are companion books, the first introductory to the second. They are excellent for their purpose. The author from the beginning makes boys rely on their own resources of memory, vocabulary, and ingenuity, and, while giving hints, avoids paraphrase as far as possible. After some introductory exercises for technical purposes and illustrative of poetical uses, he has a series of other exercises grouped round two subjects—"The Life of a Country Boy" and "The Legend of Bacchus"—and in the more advanced book his method is to give a passage of Ovid to be learnt by heart and then some passages of English poetry for verse composition; in other words, to teach Latin verse writing by assimilation of Latin poetry. There are 700 lines of Ovid in all. The first book has 65 exercises and a vocabulary; the second 212 and no vocabulary. It is a pity that Mr. Meldrum did not ask someone to read his Introduction on Metre. It has several mistakes. He does not distinguish long syllables with a short vowel from similar syllables with a long vowel. Surely *right* in English contains a long vowel which as such would be counted long in Latin. Why does he mark *quē*, *Quīrinus* thus?

The Death of Turnus. By W. WARDE FOWLER. (6s. net. Blackwell.)

This is a companion volume to Virgil's "Gathering of the Clans" and "Aeneas at the Site of Rome," and, as the title shows, is a study of the Twelfth Book of the Aeneid. It has the same charm, due to a combination of love for the author, rich scholarship, and sound literary judgment. The twelfth book is, in Mr. Fowler's opinion, Virgil's most mature work, and reveals his mind more fully than any other except the sixth. "Its great wealth of detail and incident, its psychological subtlety, and the comparative difficulty of its language, give it a claim to closer study and more leisurely reflection than any other book in the poem." "Virgil seems to me here more completely master of his language and metre than ever: more entirely free to use and vary them as he pleases." The War will no doubt emphasize the lesson that Virgil wished to teach his own generation of the certainty of the ultimate triumph of *iustitia* and *fides*, as exemplified in "Aeneas," over *violentia*, with its delusions and pretences, as personified in "Turnus." Mr. Fowler helps us to understand the poet's contrast of the characters of Aeneas and Turnus, their relations to Lavinia, the functions of Aeneas and Latinus in the new Latium, the growth in the character of Ascanius, the rôle of Venus in the poem, the reasons for Amata's suicide. In addition to such general topics, he has excellent notes on special words, such as *pubentes* (line 221), *excellentem* (line 250), *pius* (lines 311, 839), *nimbus* (line 416), *lustrum* (line 474), *crudus* (line 507), *aequora* (line 524), *silvæ* (line 522), *mens* (line 554), *damno* with genitive (line 727), *superstitio* (line 818), *intempesta* (line 846). In line 97, *da* is misprinted *de*, and in line 790 *certamina* should be *certamine*. On page 145, *germana* is mistranslated "offspring."

"EARLY CHRISTIAN CLASSICS: TEXTS FOR STUDENTS."

- (1) No. 5: *A Translation of the Latin Writings of St. Patrick*. By Canon NEWPORT WHITE. (6d.) (2) No. 6: *Selections from the Vulgate*. Arranged by Dr. H. J. WHITE. (9d.) (3) No. 7: *The Epistle of St. Clement of Rome*. (6d.) (S.P.C.K.)

(1) This is an English rendering, with a two-page introduction, of St. Patrick's Confession and Letter, which are of the first importance, not only as an expression of religious experience, but also historically, as describing his missionary work in Ireland. It is a pity the Confession is not more definite in names of persons and places.

(2) The excellent introduction of five pages explains clearly St. Jerome's work. The Vulgate is, in the New Testament and the Psalms, a revision by him of older Latin Versions; but in the Old Testament, apart from the Psalms, almost entirely a translation from the Hebrew. For over a thousand years the only form in which the Bible was known in Western Europe, the Vulgate is still the Authorized Version of the Roman Catholic Church. The passages selected are significant either as magnificent in themselves, or specially sacred, or of historical importance, such as the Lord's Prayer, the Ten Commandments, and the Canticles.

(3) The introduction of five pages discusses the authorship (leaving the identity of "Clement of Rome" doubtful), the date, the contents and the sources. The editor's name is not given. The epistle is written in Greek about the end of the first century A.D., and is addressed to the Corinthians, owing to a serious disturbance in the Church caused by some malcontents.

EDUCATION.

Suggestions of Modern Science concerning Education. By H. S. JENNINGS, J. B. WATSON, A. MEYER, and W. I. THOMAS. (5s. 6d. net. New York: The Macmillan Co.)

Four distinguished American men of science, three of them members of Johns Hopkins University, here combine to record some of the more important suggestions of modern science concerning education. Some intelligent parents, dissatisfied with existing conditions, had argued—"if sensation tends towards motion, why, during the years when life is largely sensation, do we screw our children into desks five hours a day? if variety of type is desirable, why strive for uniformity? if surplus energy is necessary to further evolution, why not conserve that wonderful superabundant vitality of childhood?" The four papers of which the book consists are written respectively from the points of view of biology, psychology, psychopathology, and sociology. The names of these fearsome "ologies" need deter no reader, because all the papers are written in plain untechnical language. We have read them with deep interest, and have no hesitation in saying that they are remarkably good. The contents of such a book are of course extremely varied, and will therefore make a varied appeal to different readers. Few readers, however, will be uninterested in Mr. Watson's attack upon William James's theory about old-fogeyism in the human subject. Recent psychology leans to the hopeful view that it is not only never too late to mend, but also never too late to learn. The middle-aged learner is usually slower than the younger one, but he may be equally sure.

Ideals and Problems of Religious Education. Being Addresses and Discussions at the Teachers' Christian Union Conference, Swanwick, April 22-23, 1919. (2s. net. Teachers' Christian Union.)

Within 110 pages of smallish type this report gives an exceedingly satisfactory account of a series of meetings that proved of much interest to those who attended them. As Mr. Mansbridge remarked, it is a pity that only keen people actually attend these conferences. But a publication like this does something to spread the advantages of such interchange of thought. A good many changes of proposed arrangements seem to have been made, but there remained the important contributions that took the shape of formal addresses and are here fully reported. Of these the most important is Prof. A. A. Cock's discussion of the Religious Education of the Adolescent, twelve to eighteen years of age. Parts of this had already appeared in print, but the whole was recast and much valuable matter added. Taken along with Miss Waterhouse's paper on the Religious Education of Children up to twelve years of age, it covers in a most satisfactory way the whole field of the religious education of the young. At this point Mr. Mansbridge takes up the Religious Education of Adults and rounds off the whole. Canon Streeter deals with the general nature and scope of Religious Education; Canon Kennett supplies an example of Religious Instruction; and the High Master of Manchester Grammar School has an excellent paper on the Teacher's Inner Life. The spirit of the Conference is shown in the illuminating sentence: "It was agreed that more has to be learnt from than taught to the working woman." The report ends with some excellent suggestions for Study Circle discussion.

The Natural History of the Child. By Dr. COURTENAY DUNN. (7s. 6d. net. Sampson Low.)

The trail of "Notes and Queries" is to be found throughout this book. On page 306 a paragraph ends: "This is a digression, but I cannot see my way clear to exclude it when touching upon this subject." Most readers will feel that this apology ought to appear at a much earlier stage, and that there are not many paragraphs in the book to which it could not be appropriately added. Few of the fourteen chapters give evidence of consecutive thought, yet the volume is full of interesting matter. Fortunately Dr. Dunn makes no appeal to the professional teacher, so we are saved from the hopeless task of estimating his work from the technical standpoint. His descriptive sub-title runs: "A book for all sorts and conditions of men, women, and children," but even the general reader would expect more cohesion than is to be found in this natural history. What is the connexion, for example, between the text and the very attractive coloured frontispiece depicting the author's seven charming children in Highland costume? One answer may well be that it is put there as a guarantee of its author's right to speak about children—a right which we gladly concede. Who can speak with more authority on the subject than a doctor who is the father of seven? He may systematically split his infinitives, may be unskilled in the use of the double negative, and may show little discrimination in his choice of words, but he has knowledge and experience which command his reader's respect. Dr. Dunn does more. He captures his reader's interest. Once we give up the expectation of a reasoned and logically arranged presentation, and let ourselves

fall in with our author's mood, all is well. He is learned in queer, out-of-the-way directions; he is sensible, if a little exuberant; above all, he is attractive. He wins his readers in spite of their critical attitude. The practical schoolmaster himself cannot but be pleased with what he gets here, even though he comes to the book wanting something else.

FRENCH.

A School Grammar of Present-Day French. By J. E. MANSION. (3s. 6d. net. Harrap.)

Mr. Mansion belongs to the school of grammarians who write rather as men of science investigating natural phenomena than as law-givers issuing decrees. Grammar is to him something that changes, not something immutably fixed. It is based on the study of the forms of human speech; witness his classification of pronouns into stressed and unstressed, and his frequent reference to stress as one of the forces determining word-order. Grammar is the study of phenomena which, like all other phenomena, are the results of causes; these causes may be historical, as in the case of many eccentricities; or psychological, as with the rules for the use of the subjunctive; or partly logical and partly rhetorical, as in that most difficult branch of the subject, the position of adjectives. Mr. Mansion's book, therefore, is not one for beginners; one rather for quite advanced pupils only, though he speaks of it as intended for the middle and senior forms of schools. His conspectus of the uses of the subjunctive, for instance, is very well done, but with no other help it would be difficult to discover what mood verbs of "thinking" and "knowing" used affirmatively take, and verbs of "feeling" seem to be left out in the cold. By the way, it surprises us to read that *à moins que, bien que, afin que*, and a number of other old friends, take the subjunctive only "usually"; we do not know what authority Mr. Mansion has for this softening of the ordinary rule. Our author uses in the main the grammatical terms suggested by the Joint Committee on Grammatical Terminology. Many of these are convenient, but "future in the past" seems a clumsy phrase, and the sentence on page 173 [certain conjunctions] "are regularly followed by a verb in the future in the past tenses of the indicative," is not intelligible at first sight. It should be added that Mr. Mansion has had in view throughout the needs of translators into French, and comparisons between the usages of French and English are frequent.

Victor Hugo: Ruy Blas. Edited by H. L. HUTTON. (3s. 6d. net. Clarendon Press.)

Mr. Hutton's "Ruy Blas" is a veritable bran-pie. Here is grammar, philology, prosody, history, and literary criticism, besides the usual annotations on the text. There are nine short excursions on points of grammar and four on points of prosody—all valuable. For the history, Mr. Hutton has worked up the authorities used by the dramatist, and has quarried in many other mines of learning. Here, however, we cannot but think that his zeal has carried him too far. He gives us an elaborate note on the Neubourg family because the Queen was a Neubourg, another on the claimants to the Spanish succession because the Elector of Bavaria is once mentioned, and a third on the government of Spain from Ferdinand and Isabella to Charles II. All this is surely unnecessary, and calculated, moreover, to give boys and girls the impression that "Ruy Blas" is history, whereas it is really a brilliant drama of action, manners, and scenic effect, with some historical scenery as its background. It would have been better to give a brief sketch of the condition of Spain at the end of Charles II's reign, in the course of which it could easily have been shown what use Hugo made of the actual facts of history, and how frequently he perverted them whilst still retaining much of the spirit of the period. The twenty-three pages of introduction, again, are excellent in their way, but they are too much in the nature of a guidebook to the play, and a guidebook to the text is the one thing which a boy or girl ought not to have. On the other hand, such notes as those on the Flemings in Spain, on the connexion between Flemish and Spanish art, and the quotations from the contemporary authorities are really valuable. A short list of useful books is appended, to which might be added Paul de Saint-Victor's sketch of Charles II's court in "Hommes et Dieux," a good introduction to the historical setting of the play.

GEOGRAPHY.

Resources and Industries of the United States. By ELIZABETH F. FISHER. (3s. 9d. Ginn.)

This attractive book deals with the immense natural resources of the United States. It shows not only how these resources have been developed, but also the urgent necessity of conserving them. The chapters on the production of food, clothing, and building materials are well written, and the natural conditions that explain the food production are clearly indicated on a series of maps showing respectively relief, soil, rainfall, and temperature. Among many interesting problems discussed at some length may be

mentioned (1) the methods of irrigating the extensive dry lands of the west, (2) the draining of wet lands, such as the cypress swamps of Louisiana, and (3) the rotation of crops and the use of fertilizers with special reference to the tobacco and cotton-growing areas. In the concluding chapters, the processes by which articles are manufactured from raw materials are carefully described, and they include a brief account of the making of automobiles and aeroplanes. Questions, map exercises, and statistical tables are a useful feature of the book. The text is clearly printed and profusely illustrated with beautiful pictures. In a future edition, Figs. 84, 122, 161, and 162 might with advantage be omitted, as they are not referred to in the text, and they depict scenes outside the United States. For a detailed study of the economic geography of the United States, this book can be thoroughly recommended for use in English schools.

Introductory Meteorology. Prepared and issued under the Auspices of the U.S. National Research Council, Division of Geology and Geography. (4s. 6d. net. Oxford University Press.)

This book is the work of six of the chief officials of the United States Weather Bureau, and was first published last year. It is intended to be used as a supplementary textbook for the regular courses in geography and geology in Universities, colleges, and high schools, and for special courses arranged for the Army and Navy training units of the United States. The War has demonstrated the value of meteorology as a subject of military training, and, in order to meet the requirements of prospective officers, the book has been planned so as to present an intensive course in the fundamentals of practical meteorology, non-essential and theoretical matter being excluded so far as possible. It follows that if a student who wishes to become a professional meteorologist adopts this volume as a textbook, he will need to supplement his reading with a suitable course in mathematics and physics. The chief topics dealt with are meteorological instruments and observations, the temperature and pressure of the air, atmospheric moisture, the circulation of the air (both general and secondary), weather forecasting and climate. The information given is clear, definite, authoritative, and up-to-date; and the volume may be recommended with equal confidence both to students and teachers of geography in this country and to the general reader who has taken up the study of this fascinating practical science as a hobby, and wishes to keep himself in touch with the results of the most recent researches in aerology. The seventy-one illustrations include fifteen excellent photographs of clouds and several interesting diagrams showing meteorological conditions of the upper atmosphere. A welcome innovation is the introduction of the term *advection fog* for fog resulting from temperature changes due to horizontal transportation of air. The appendix contains a useful bibliography.

HISTORY.

Historical Portraits, 1700-1850. The Lives by C. R. L. FLETCHER. The Portraits chosen by EMERY WALKER. Part I (Vol. III of the series), 1700-1800. (12s. 6d. net. Clarendon Press.)

This collection of 113 historical portraits of persons eminent during the eighteenth century forms the third of the four volumes which some years ago Mr. Emery Walker projected as a companion to "Modern English History." The subjects are chosen with eminent catholicity, every department of national life being represented. A very wide and careful search, moreover, has evidently been instituted in order to secure the best portraits. The National Gallery has, of course, been the great storehouse from which the treasures have been drawn; but many private collections have been made to yield, by the kind consent of their owners, novel and interesting presentations of notable men and women. The interest of the volume is immensely enhanced by Mr. Fletcher's vivacious biographies. There is an engaging frankness about them which disarms criticism. They tell home-truths with a remorseless pugnacity. It would be out of keeping with their candour for a reviewer to say that they are free from bias. The Whig dogs are not allowed to have the best of it.

Sidelights on the History, Industries, and Social Life of Scotland. By L. A. BARBÉ. (10s. 6d. net. Blackie.)

This most attractive volume contains twenty sketches. Each of them depicts some episode or other related to Scottish history. As the title of the book implies, they deal rather with the minor than with the major events of the history; and their full interest, therefore, will be appreciated only by those who are acquainted with the broad current of Scottish polity. To such, however, they provide a rich entertainment. There are a number of personal studies, the most remarkable of which is that which traces the romantic but comparatively unknown career of Isabella Stuart, daughter of James I, who became Duchess of Brittany in 1441.

(Continued on page 704.)

Cambridge University Press

RECENT PUBLICATIONS

ENGLISH

The Measures of the Poets. A New System of English Prosody. By M. A. BAYFIELD, M.A., formerly Head Master of Eastbourne College. Large crown 8vo. 5s net

The purpose of this book is to assist both students and lovers of poetry in general towards such a complete enjoyment of the beauty and music of English verse as can be attained only through a clear comprehension of its metrical framework. The author is strongly of opinion that, if this end is to be achieved, we must have a system of prosody that is on the one hand sound in principle, and on the other not liable to break down when tested. He therefore proposes a new system built up on the trochaic base.

The Story of Dr Johnson. Being an Introduction to Boswell's *Life*. By S. C. ROBERTS, M.A. With a frontispiece and 15 plates. Crown 8vo. Second edition. 4s 6d net

"Mr Roberts knows his Boswell from beginning to end, and one could have no better guide."—*The Daily Telegraph*

"Boswell apart, the book is worth having for its own sake."

The Westminster Gazette

Stories from Spenser. By MINNA STEELE SMITH, Fellow of Newnham College. Crown 8vo. With 8 pictures. 3s net

"Another interesting volume of the series so admirably begun by Miss Macaulay's *Stories from Chaucer*. It is a book that will appeal strongly to junior pupils in schools, and will fire them with the desire to read the stories in the original. It is embellished with a few good illustrations."

The Aberdeen Daily Journal

Cambridge Readings in Literature.

A Series of Anthologies from Homer to Masfield, illustrated with reproductions of pictures by great masters, from Botticelli to William Orpen. Edited by GEORGE SAMPSON. In five books. Crown 8vo. School edition, cloth flush. Books I, II, and III, 3s 6d net each; Books IV and V, 4s net each

"We have never seen more delightful books of their kind, and we predict that they will receive the most cordial of welcomes from teachers of English."—*The Scottish Educational Journal*

CLASSICS

Thucydides, Book IV, Chapters I-XLI

(Pylus and Sphacteria). Edited by J. H. E. CREES, D.Lit., and J. C. WORDSWORTH, B.A. Extra fcap. 8vo. With map, notes, and vocabulary. 2s 6d net. Cambridge Elementary Classics.

This edition has been prepared for those who have not long been studying Greek and who have reached the stage of the "First School Examination." A vocabulary has therefore been added.

Key to Exercises on Rules for Latin

Prose. By T. C. WEATHERHEAD, M.A., sometime Head Master of King's College Choir School, Cambridge. Crown 8vo. 7s 6d net

FRENCH

La Grande Guerre. Récits de combattants. Recueil

fait et brièvement annoté par A. WILSON-GREEN, M.A. Crown 8vo. 4s net

The range of this volume of episodes of the Great War, written by men who took an active part in the events they describe, is wide and varied. It covers warfare on land and in the air, in France, in Serbia, and at Cape Helles; it includes vivid pictures of life in and behind the trenches, in devastated France, in a French hospital, and in a German prison.

HISTORY

Henry the Sixth. A Reprint of John Blacman's

Memoir, with translation and notes by M. R. JAMES, Litt.D., F.B.A., Provost of Eton. Demy 8vo. 5s net

Britain in the Middle Ages. A History for

Beginners. By FLORENCE L. BOWMAN, Lecturer in Education, Homerton College, Cambridge. Crown 8vo. With 28 illustrations. 3s net

"Miss Bowman has rightly used contemporary literature as living evidence of the spirit of the times. . . . The book is very attractive and useful and should be widely used."—*The Times Educational Supplement*

Britain and Greater Britain in the

Nineteenth Century. By E. A. HUGHES, M.A., Assistant Master at the Royal Naval College, Dartmouth. Crown 8vo. 5s net

Suitable for the upper forms of schools. Special attention is given to Colonial history, which occupies nearly one-third of the volume.

EDUCATION

The Purpose of Education. An Examination of the Education Problem in the Light of Recent Psychological Research. By ST GEORGE LANE FOX PITT. Crown 8vo. 7s 6d net

A new impression of the second edition, bound in cloth. The volume contains a Preface by Prof. EMILE BOUTROUX, a Reply to Critics, and an additional chapter, *Perfection as the Ideal and Lessons of the War*.

"With the main thesis advocated we are in hearty agreement, and the presentment we have found stimulating in no ordinary degree. The perusal of the book could hardly fail to be profitable to any thoughtful man or woman."—*The Times*

SCIENCE AND MATHEMATICS

An Enquiry concerning the Principles of Natural Knowledge. By A. N. WHITE-

HEAD, Sc.D., F.R.S. Demy 8vo. 12s 6d net

Three main streams of thought are relevant to the theme of the author's enquiry—the scientific, the mathematical, and the philosophical movements; and the investigation is based on the principle that the scientific concepts of space and time are the first outcome of the simplest generalizations from experience. The four parts of the book are entitled respectively: *The Traditions of Science; The Data of Science; The Method of Extensive Abstraction; the Theory of Objects*.

Petrology for Students. An Introduction to the

Study of Rocks under the Microscope. By A. HARKER, LL.D., F.R.S., F.G.S. Fifth edition, revised. Crown 8vo. With 100 figures. 8s 6d net. Cambridge Geological Series.

Botany. A Textbook for Senior Students. By D. THODAY,

M.A., Lecturer in Physiological Botany, University of Manchester. Revised and enlarged edition. Crown 8vo. With 230 text figures. 7s 6d net.

"It is a pleasure to be able to recommend an introductory book on botany. . . . The illustrations are excellent and the general style of the book is of the quality to be expected from the Cambridge Press."—*The Gardeners' Chronicle*

The Study of the Weather. By E. H. CHAPMAN,

M.A., B.Sc. Large crown 8vo. With 56 illustrations. 3s 6d net. Cambridge Nature Study Series.

A series of exercises and problems on weather study, arranged with a certain adaptability to all times and seasons, and always bearing in mind the pressing importance of observing what you can and where you can. It is hoped that the book will be acceptable as an introduction to the study of Modern Meteorology.

An Elementary Course of Infinitesimal

Calculus. By H. LAMB, LL.D., Sc.D., F.R.S., Professor of Mathematics in the Victoria University of Manchester. Revised edition. Demy 8vo. 20s net

The new edition has been revised throughout and reset, and a number of changes have been made.

Plane Trigonometry for Secondary

Schools. By C. DAVISON, Sc.D. Crown 8vo. 6s 6d net

The first part (Chapters I-XVI) includes the ordinary course of elementary Trigonometry, though some sections are treated rather more fully than usual, especially graphs in the fourth chapter and the solution of equations in the eighth. The second part (Chapters XVII-XX) deals with inequalities, approximations and errors, de Moivre's theorem and series.

GEOGRAPHY

The North Riding of Yorkshire. By Capt.

W. J. WESTON, M.A., B.Sc. Crown 8vo. With 59 illustrations and three maps. 2s net. Cambridge County Geographies.

"An excellent introduction to the history, geology, industries, and other main features of the life of the administrative county."—*The Times*

"Like the other volumes of the series it is admirably calculated to stimulate interest, give instruction, and foster county pride."—*The Field*

LAW

Cambridge University Law Tripos

Papers, 1912-1916. Crown 8vo. Paper covers. 4s net

History of Roman Private Law. Part III,

Regal Period. By E. C. CLARK, LL.D. Crown 8vo. 21s net

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

The later studies in the book are social and industrial in character. Among these the accounts of early coal-mining in Scotland and of the terrible ravages of the Plague are specially notable.

Armed Peace: a Non-Technical History of Europe, 1870-1914 A.D. By Dr. W. S. DAVIS, in collaboration with Dr. W. ANDERSON and Dr. M. W. TYLER. (10s. 6d. net. Heinemann.)

Of the twenty-four chapters in this work eighteen have been written by Dr. Davis and three each by his two colleagues. All three authors are members of the Faculty of the University of Minnesota, and their purpose in writing is to make clear to their American compatriots the deep underlying causes of the Great War. Their full and scholarly history is eminently moderate in tone and convincing in argument. It brings home to the Germans the guilt of the War, and it shows that to them specifically, and not to a vague "European anarchy," the outbreak was due. A unity is given to the book by the general idea that "there were three dominant factors in the international relations of the last forty years that enabled the Pan-German conspirators to bring on the great calamity in the precise form in which it finally inflicted itself upon the world." These factors were (1) the old hate between France and Germany, (2) the new rivalry between Germany and Britain, (3) the Balkan imbroglio. All students of current politics should read this masterly survey.

Britain in the Middle Ages. By F. L. BOWMAN. (3s. net. Cambridge University Press.)

This is a textbook for beginners, and it is made specially attractive to young minds by numerous illustrations, by frequent stories, and by careful simplicity of language. The chief effort of the writer, who is an expert in educational method, is to excite the interest of the infantile reader, and to train his immature intelligence in the way of observation and thought by providing exercises based on the tales and the pictures. An old-fashioned teacher may possibly ask, as he sees this pleasant book with its absence of dates and difficulties, whether "the rigour of the game" is not too much forgotten in these days of Montessori.

A Source-Book of Australian History. By G. H. SWINBURNE. (5s. net. Bell.)

This book is intended to introduce the source-method of teaching history into the schools of Australia. It contains forty-five extracts from original authorities—diaries, memoirs, dispatches, State papers—illustrative of the growth of the Commonwealth. The first is taken from Tasman's Journal, 1642, and it describes the discovery of the Great South Land. The last is a quotation from a speech recorded in the *Melbourne Argus* for April 1916, and it discusses the significance of the term "Anzac." Between these two the whole development of the Australasian Continent is sketched in a series of well selected contemporary utterances. The interest and value of the book are considerable; but they would be enhanced by a fuller description of the sources and by an index.

MATHEMATICS.

Dynamics. Part II. By R. C. FAWDRY. (2s. 6d. Bell.)

This volume has a distinctive flavour about it, and meets a decided need. Compact, clear, and not overloaded with detail, it bridges the gap which separates the elementary dynamics of the ordinary school book from the dynamics of rigid bodies. Of course, without some calculus little can be done with the latter subject, and the author rightly judges that it is easier to learn a little calculus than to use "calculus-dodging" methods of proof. Although mainly occupied with the elementary dynamics of rotating bodies, it also deals with such topics as projectiles, harmonic motion, turbines, and impact. Instead of deducing the laws of rotation from Newton's laws of motion, the author postulates three experimental laws analogous to the Newtonian laws. This procedure affords a short cut into the heart of the subject, but may tend to make students think that the laws governing the rotation of bodies are independent of those governing the ordinary linear motion of particles. We regret that the author persists in using W/g throughout to represent mass. It is, to say the least, uneconomical to use two symbols where one would suffice, but the greatest objection is that a constant is represented as the quotient of two variables. Apart from these matters, we regard the general plan and method of the book as excellent.

Differential Calculus for Colleges and Secondary Schools.

By Dr. C. DAVISON. (6s. Bell.)

The difficulties to be surmounted by a would-be writer of a textbook on the calculus lie at the threshold of the subject. He has to introduce his readers to a new group of ideas—the functional relation, convergence to and the existence of a limit, continuity; and his work must largely be judged by the manner in which he deals with these topics. Dr. Davison ignores the difficulties. In the

first paragraph he introduces without any explanation the terms *function* and *limit*, and proceeds forthwith to define *differential coefficient*. The possibility of the non-existence of the coefficient is not hinted at. Even Todhunter, whose works are supposed to be quite out of date, did not dispose of these fundamental matters in so summary a fashion. We regard this beginning as thoroughly bad and bewildering to the student. The rest of the text proceeds upon the usual lines, and calls for no comment. The examples appended to the chapters are of an easy and straightforward character, and there is a useful collection of revision exercises. Following them is a really good and suggestive set of subjects for essays, and finally a number of problem papers. In the hands of a teacher who makes good the obvious deficiencies at the beginning, the book should prove very serviceable for class instruction, especially on account of the examples.

Analytic Geometry. By M. M. ROBERTS and J. T. COLPITTS. (7s. 6d. net. Chapman & Hall.)

This book is by two lady professors, and is the result of several years' experience in teaching mathematics to students of engineering and science. This fact is some indication of the extent to which the teaching profession in America is being monopolized by women. Apart from this, the book throws light upon the different outlooks which prevail upon the teaching of mathematics on opposite sides of the Atlantic. In the present work polar co-ordinates are introduced in the fourth chapter and immediately applied to the tracing of many interesting curves, including spirals. Next the conics are described and traced from their equations referred to principal axes. After this, the subject of tangents and normals to algebraic curves—not necessarily conics—is taken up, followed by the theories of poles, polars, and diameters. In Chapter XII it is shown how to trace a conic given by the general equation. The following chapter takes the book beyond the usual English range by familiarizing the student with the shape of the more important transcendental curves, and in a final chapter the elementary co-ordinate geometry of the plane and line in space are discussed and the conicoids are traced from their equations. Compared with that of a corresponding course in this country, the treatment is lacking in depth, but this is compensated by the increase in breadth, and our teaching would gain by a judicious movement in the same direction.

MISCELLANEOUS.

Examination Papers in Phonetics. By DANIEL JONES. (2s. 6d. net. Oxford University Press.)

This useful collection consists of twenty-three papers set at University College (seven for English students and nine for foreign students in English phonetics, seven in French phonetics) and eleven papers set for the Oxford Certificate (seven in French and four in German phonetics). They represent a good standard of difficulty, and all the aspects of the subject are well represented. There is considerable variety in the questions asked, and they are well expressed. Sometimes they suggest that they have special reference to points treated by the distinguished author in his lectures, as, for instance, Question 4 in Paper A2. Is it really necessary for foreign students to learn by heart all the different ways in which every English letter is pronounced and every English sound is spelled, as is implied by such a question as 4 in Paper B7? And what might "the root [kinn-]" be? But, taking the papers as a whole, they are a sound piece of work, and likely to prove very useful to many students. To the average Englishman who knows nothing of phonetics they would be an eye-opener. How many, for instance, could answer the question: "Enumerate those English sounds which can never occur (1) at the end of a word, (2) at the end of a sentence. Give examples to illustrate the case of sounds which can occur at the ends of words, but not at the ends of sentences."

The British Navy Vigilant. By L. COPE CORNFORD. (2s. Macmillan.)

Mr. Cope Cornford is a skilled and practised writer. During the war he has had many opportunities, as an eminent journalist, to obtain first-hand knowledge of the grand fleet of the British Empire. This present book, therefore, is not only interesting, but also more than usually authoritative. It is intended to give the young people of Britain an insight into the actual working of that vast and splendid naval organization on which the safety of the Empire primarily depends. It describes the personnel of the Navy, the types of ships, and the uses of sea power. It gives a brief account of the main actions by means of which British sea-power has been established. Finally, it expounds the vitally important part which the Navy has played in the winning of the recent war. There are a couple of dozen illustrations.

(Continued on page 706.)

Cambridge University Press

STANDARD MATHEMATICAL AND SCIENTIFIC TEXT-BOOKS

ARITHMETIC

Arithmetic. By C. GODFREY, M.V.O., M.A., and E. A. PRICE, B.A.			
Complete (Parts I, II, III)	... 5s 6d net	5s net	
Parts I and II together	... 4s	3s 6d	..
Part III	... 3s	2s 6d	..
Exercises (Parts I, II, III)	... 5s	4s 6d	..
.. (Parts I, II)	... —	2s 6d	..
.. (Part III)	... —	2s 3d	..

ALGEBRA

Elementary Algebra. By C. GODFREY, M.V.O., M.A., and A. W. SIDDON, M.A.			
Complete in one volume...	... 7s net	6s 6d net	
Or in two volumes—			
Vol. I, Algebra for Beginners	4s 6d	4s	..
Vol. II	3s 6d	3s	..
Vol. I is also published in two parts:—			
Part I, Chapters I—IV	1s 6d	1s 6d	..
Part II, Chapters V—XIV	2s 6d	2s	..

Algebra for Secondary Schools. By CHARLES DAVISON, Sc.D. 10s net. Or in two volumes, 5s net each; without answers, 4s 6d net each
Exercises, separately. With answers, 5s net; without answers, 4s 6d net
Problem Papers supplementary to *Algebra for Secondary Schools*. Paper covers, 1s net

Higher Algebra for Colleges and Secondary Schools. By the same author. 8s 6d net

An Algebra for Preparatory Schools. By T. DENNIS, M.A. 3s 3d net. Teachers' edition, with answers, interleaved. 7s 6d net

A School Algebra Course. (Examples only.) By F. GORSE, M.A. With or without answers, 4s 6d net. Or in three parts, 1s 6d net each

Elementary Algebra. By C. H. FRENCH, M.A., and G. OSBORN, M.A. With answers, 5s net; without answers, 4s 6d net

TRIGONOMETRY

The Elements of Trigonometry. By S. L. LONEY, M.A. 4s net

Plane Trigonometry. By the same author. 9s 6d net. Or in separate parts: Part I, An Elementary Course, excluding the use of imaginary quantities. 5s 6d net. Part II, Analytical Trigonometry. 5s net

An Elementary Treatise on Plane Trigonometry. By E. W. HOBSON, Sc.D., F.R.S., and G. M. JESSOP, M.A. 6s 6d net

Trigonometry for Beginners. By J. W. MERCER, M.A. 5s 6d net

Numerical Trigonometry. By the same author. 3s net

A Class Book of Trigonometry. By CHARLES DAVISON, Sc.D. 4s 6d net

Examples in Numerical Trigonometry. By E. A. PRICE, B.A. 3s net

Four-figure Tables. By C. GODFREY, M.V.O., M.A., and A. W. SIDDON, M.A. 1s net

Mathematical Problem Papers. Compiled and arranged by Rev. E. M. RADFORD, M.A. 5s 6d net **Solutions**, 12s net

Practical Measurements. By A. W. SIDDON, M.A., and A. VASSALL, M.A. 2s 6d net

GEOMETRY

A First Course of Geometry. By C. DAVISON, Sc.D. 2s 3d net

Plane Geometry for Secondary Schools. By CHARLES DAVISON, Sc.D., and C. H. RICHARDS, M.A. 7s net. Or in four parts, paper boards, 2s net each

The Elements of Solid Geometry. By CHARLES DAVISON, Sc.D. 3s 6d net

Elementary Geometry (Practical and Theoretical).

By C. GODFREY, M.V.O., M.A., and A. W. SIDDON, M.A. Complete in one volume. 7s net. Or in two parts: Part I, Experimental Geometry, 2s net; Part II, Theoretical Geometry, 6s net. Part II is also published in four separate books:—Book I; Book II (Area); Book III (The Circle); Book IV (Similarity); 2s net each. Or in two volumes, 4s net each. Vol I contains Part I (Experimental Geometry) and Part II, Books I and II; Vol II contains Part II, Books III and IV
Answers to the Examples. 6d net post free

A Shorter Geometry. By the same authors. 4s 6d net

Or in four parts: Part I, Geometry for Beginners, 1s 6d net; Part II, Books I and II; Part III, Book III (The Circle); Part IV, Book IV (Similarity), 1s 3d net each. Notes and Answers, 9d net

Modern Geometry. By the same authors. 6s net

Solid Geometry. By the same authors. 2s 3d net

A Geometry for Schools. By F. W. SANDERSON, M.A., and G. W. BREWSTER, M.A. With or without answers, 3s 6d net
Examples from the above. With or without answers, 2s 3d net

SCIENCE

Experimental Science. By S. E. BROWN, M.A., B.Sc. In two parts. Part I, Physics, 5s net; Part II, Chemistry, 3s 6d net. The two parts may be obtained in one or two volumes for 7s 6d net. Part I is also issued in four sections.

Physical Chemistry for Schools. By H. J. H. FENTON, M.A., Sc.D., F.R.S. 5s net

Inorganic Chemistry. By E. I. LEWIS, B.A., B.Sc. 6s net. Or in two parts, 3s 6d net each

Notes on Elementary Inorganic Chemistry. By F. H. JEFFERY, M.A. 3s net. With blank pages interleaved, 3s 6d net

Sound. By J. W. CAPSTICK, D.Sc. 6s net

Lecture Notes on Light. By J. R. ECCLES, M.A. 5s net. Teachers' Edition, 12s 6d net

Heat and Light. By Sir R. T. GLAZEBROOK, M.A., F.R.S. 7s 6d net. And separately: **Heat**, 4s net; **Light**, 4s net

Mechanics and Hydrostatics. By Sir R. T. GLAZEBROOK, F.R.S. 8s 6d net. Also in separate volumes: **Dynamics**, 4s 6d net; **Statics**, 3s net; **Hydrostatics**, 3s net

Electricity and Magnetism. By Sir R. T. GLAZEBROOK, F.R.S. 8s 6d net

A School Electricity. By C. J. L. WAGSTAFF, M.A. 5s net

Elementary Dynamics for Schools. By C. E. ASHFORD, M.A. 5s net

Mechanics and Hydrostatics for Beginners. By S. L. LONEY, M.A. 5s net

The Elements of Statics and Dynamics. By the same author, 9s net. Separately, **Statics**, 5s net; **Dynamics**, 5s net

The Elements of Hydrostatics. By the same author. 5s net

Treatise on Elementary Dynamics. By the same author. 7s 6d net

A complete Educational Catalogue will be sent on request

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

RELIGIOUS KNOWLEDGE.

- (1) *The Book of Deuteronomy in the Revised Version*. Edited, with Notes, by Sir GEORGE ADAM SMITH. (6s. 6d. net. Cambridge University Press.) (2) *The Book of Job*. By Dr. H. B. DAVIDSON. Adapted to the text of the Revised Version by H. C. O. LANCHESTER. (4s. 6d. net. Cambridge University Press.)

Sir George Adam Smith's *Deuteronomy* is an important addition to the Cambridge series. The treatment is full even to elaborateness, the introduction embracing 122 pages and the commentary nearly 400 besides. The scholarship of the book is of the finest order. Thus, there is a full and penetrating discussion of the latest phases in the criticism of the book, represented by the work especially of Steuernagel and Staerk. The handling of this complicated and difficult subject by Dr. Smith is thorough and complete. The conclusion reached is that "Deut. i-xxx is a compilation of various editions," but "whether these editions were due to the same author or to a school of writers sharing the same spirit may be held to be an open question to which there is no certain answer." It is refreshing to find that Dr. Smith will have nothing to do with Prof. Kennett's attempt to discredit the connexion between Josiah's Reformation and a form of *Deuteronomy* which is to be identified with the "Book of the Law" discovered in the Temple immediately before that event. He subjects Prof. Kennett's arguments to some effective criticism. Among many admirable things in the introduction we would especially call attention to the discussion of the form of the Book as a speech put into Moses' mouth (pages cxi ff.). This procedure reflects the conviction, deeply entrenched in the mind and memory of the people, and having a firm foundation in fact, that they owed everything to Moses, "and to his conduct and discipline of them through the wilderness." We regret the absence of maps. The author refers the student to his large *Atlas of the Historical Geography of the Holy Land*. This, we fear, is for many readers still inaccessible, and in any case it is a convenience to have good maps in the volume that is being studied.

Mr. Lanchester has performed a useful service in adapting the late Prof. Davidson's *Job* to the R.V., and in revising the old commentary and bringing it up to date. This has been done sparingly. Mr. Lanchester acknowledges special indebtedness in his revision to Prof. Peake's admirable commentary in the *Century Bible*. But

why in the selected "Literature" is no mention made of Ewald's work which is accessible in English, and why is not the English translation of Cornill's *Old Testament Introduction* (Williams & Norgate, 1907) given instead of the German edition of 1896?

The Book of the Prophet Jeremiah. With Introduction and Notes. By L. ELLIOTT BINNS. (16s. net. Methuen.)

This addition to the series of "Westminster Commentaries" deserves a hearty welcome. It is a substantial gain to the series to which it belongs, and is notable as providing an up-to-date treatment on one of the most important—if not the most important—of the Old Testament Books, which has not hitherto received as much attention from English scholars as it deserves. Mr. Binns has fulfilled the important task entrusted to him with care and discrimination. He is a good Hebrew and Old Testament scholar, and is acquainted with modern research. He acknowledges special indebtedness to Cornill's great commentary, as well as to other books, such as Cheyne's "Jeremiah" and Battenwieser's "Prophets of Israel" (Part I). Those who have read the latter work will understand the importance attached to it by Mr. Binns. In his voluminous introduction the author of the commentary discusses the life, times, character, teaching, importance, and influence of Jeremiah. Here we could wish that Mr. Binns had laid more stress upon Jeremiah's importance as the prophet of individual religion, though this aspect of his teaching is by no means ignored. There is an excellent section on the prophet's indebtedness to predecessors, especially to Hosea, which is rightly insisted upon. On the vexed question of the date of *Deuteronomy* Mr. Binns is content to accept the position of Prof. Kennett that the Book was composed during the exile, and is not to be identified in any form with the Law-Book discovered in the Temple during the reign of Josiah. This view is not widely shared by critical scholars. In the commentary proper the exegetical notes are well done, and will be a boon to many students. An excellent feature of the Book throughout is the references to modern literature, which are often very apt, and lend an added interest to the discussion which many readers will appreciate.

SCIENCE.

Life and its Maintenance. Edited by F. W. OLIVER. (5s. net. Blackie.)

This "symposium on biological problems of the day" is a reprint (Continued on page 708.)

Royal 8vo. Price 10/- net.

THE
PREMIER BONUS SYSTEM
OF
PAYMENT BY RESULTS.

By Sir W. ROWAN THOMSON, Wh.Sch.

Mr. JOHN GIBSON, 63 Coleman St., E.C.2.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126.

S. P. B. MAIS'S

ENGLISH COURSE FOR SCHOOLS.

MR. MAIS'S "An English Course for Schools" (6s. net) will be used in schools only when and if schoolmasters believe it to be better than its competitors. To come to any conclusion about it, however, the schoolmaster must see it, so I wish to say here and now that I will send a copy on approval to any real schoolmaster who cares to ask for it on the understanding that if on examination he does not find it suitable for his class he will return it. I will adopt the same plan with D. C. Somervell's "A Companion to 'The Golden Treasury'" (2s. 6d. net).

Mr. Mais's book has pleased those of his critics who have so far dealt with it. For instance, *The Times Educational Supplement* (August 28) described it as "a refreshingly unconventional treatise; it ought to be thoroughly readable to any boy or girl who is at all capable of profiting by it"; *The Globe* says: "He has solved the problem of how English should be taught"; and *The Westminster Gazette*: "Arranged on novel and sensible lines; it has much to commend it". Mr. Mais is an Assistant Master at Tonbridge, and an Examiner in English to the University of London.

GRANT RICHARDS.

8 St. Martin's Street, W.C. 2.

TEACHERS REGISTRATION COUNCIL.

REPRESENTATIVE OF THE TEACHING PROFESSION.

(Constituted by Order in Council, 29th February, 1912.)

OFFICIAL LIST OF REGISTERED TEACHERS

The Statutory duty of the Council is to frame and keep a Register of Teachers, and a list of those registered under the conditions prescribed by the Council will be published from time to time. The first list was issued in 1917, and the second one is now in course of preparation.

In addition to its statutory duty, the Council has acted in co-operation with the Board of Education in many important matters affecting the interests of Teachers.

Up to and including the 20th of September, 1919, the number of applications for admission to the Register was 29,800. All qualified Teachers who have not already registered should write at once to:—

THE SECRETARY,
TEACHERS REGISTRATION COUNCIL,

47 BEDFORD SQUARE,

LONDON, W.C. 1.

of fifteen public lectures delivered during the first half of 1918. Most of them deal with fundamental aspects of the food supply, to which war conditions compelled specially close attention, but which will demand equally serious study during peace. The accessory food factors known commonly as "vitamines" are dealt with by Miss Margaret Hume, alcoholic beverages by Prof. Cushny, and the possibilities of increased crop-production by Dr. E. J. Russell—to mention a few of the food problems considered here in the light of recent research. Other lectures of the series are concerned with subjects of no less interest. In "The Physiological Aspects of Flying," Colonel Flack describes the physical and mental tests devised for the selection of war pilots. "Efficiency and Fatigue," by Dr. H. M. Vernon, is a remarkable record of experiments destined to initiate great changes in industrial conditions; while in "Fresh Air and Efficiency," by Prof. Kenwood, many venerable and cherished traditions on the subject are shown to be mistaken. Altogether the book is one to be read and enjoyed by all who are interested in physiological problems of "practical" importance, as well as by students of biology.

Advanced Lecture Notes on Light. By J. R. ECCLES.
(7s. 6d. net. Cambridge University Press.)

This book is a sequel to the author's "Lecture Notes on Light," and it is stated that the method is a continuation of that adopted in the earlier volume. The volume appears to be a presentation of an elaborate abstract of the subject, and, as no diagrams are given, and alternate pages are blank, it may be presumed that it is intended that the student shall draw the diagrams himself. This method may have advantages where the lecturer is prepared to draw the figures carefully for the student to follow, but for a textbook it is desirable that at the time of reading the student should have accurate and clear diagrams in the text. The matter is clearly given and the paper is good, the spacing being decidedly luxuriant. Exception may be taken to the fact that the dispersion relation for thin prisms is applied to the case of the direct vision spectroscopy. This is misleading, as the prisms in this case do not approximate to being thin. On page 43, Spherical Aberration is dismissed with a summary of three of the most important conclusions, without any discussion of the reason for them. On page 45 occurs the expression, "light-grasping" power of an objective, which appears strange; and on page 47 it is stated that "a luminous body is a source of some mechanical influence called 'light.'"

PRIMARY SCHOOL NOTES.

The Procrastination of the Board.

THE failure of the Board to bring into operation Clause VIII of the Education Act has been noted with consternation by those who are in close touch with public opinion, and who believe that a sound system of public education can alone ensure the spiritual and material salvation of the country. The passage of the Education Act came at a time when unparalleled sacrifices had been made to uphold a good cause: when in the flush of victory the people were prepared to undergo further privation in order to equip our youth for a fuller life in a world at peace. The Act was nobly and boldly conceived, and the timidity of the Government in carrying it into execution is, in consequence, the more inexplicable. Until Clause VIII is applied the Act will continue to be a mere name so far as the primary schools are concerned; and in the meantime the enthusiasm of the public for education is, with its faith in Government departments, declining rapidly. It is quite possible that, before the appointed day for raising the school age to fourteen years is fixed, there may be a change of Government.

The Key to the Position.

It has been generally recognized for a generation and more that the supply of teachers has been unsatisfactory in volume. Circulars galore have bewailed the fact; but the rising unrest among teachers has perhaps emphasized it most effectively. The adoption of the strike policy in many areas has precipitated the crisis, and there can be no doubt that the supply of men teachers has now definitely failed, while that of women is quite inadequate. The only hope of improvement lies in the consultation which is now proceeding upon a national scale of salaries for teachers. The utter failure of the Departmental Report on the same question accentuates the necessity of adopting a policy which will stimulate recruitment to the profession by offering tolerable conditions of service to all teachers. The fact that there were 2,722 boy candidates entering the profession ten years ago, as compared with 780 last year, and that during the same period there has been a decrease of 1,805 in the number of girl entrants, emphasizes the danger which threatens not

(Continued on page 710.)

A BIBLIOGRAPHY FOR TEACHERS OF HISTORY.

Edited by EILEEN POWER, M.A.

(Director of Studies in History at Girton College, Cambridge).

This little Bibliography has been drawn up to assist teachers in finding what text-books and reference books are best suited for the teaching of history on International lines.

Price 2s., by post 2s. 1½d. Special 50 per cent. discount to teachers and students in training colleges applying direct and mentioning name of school, to:—

Women's International League, 14 Bedford Row, London, W.C.1.

EDUCATIONAL BOOKS PRE-WAR PRICES.

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

SECOND-HAND SCHOOL BOOKS FOR USE NEXT TERM.

CATALOGUE NOW READY.

Please write for copy to—

GEORGE OVER, Educational Bookseller, RUGBY.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 2's at 3s. 11d. 3's to 7's at 4s. 6d.

GYM SHOES. Black canvas, with chrome leather soles sewn on. 12's to 1's at 4s. 11d. 2's to 6's at 5s. 11d.

DANCING SANDALS. Black glacé kid, hand sewn, sizes 2's to 7's at 12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,
SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.

JAMES GRAY LTD.

HEATING ENGINEERS,
DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone:
Western 201.

Telegrams:
Gray 201 Western London.

J. M. DENT & SONS, LTD.

INDISPENSABLE FOR THE SCHOOL CLINIC.

**A
Complete System of
Nursing.**

By A. MILLICENT ASHDOWN.

*Fully Illustrated, with many Practical Diagrams.*A New and Revised Edition will be ready immediately.
10s. 6d. net.

A PRESENTATION EDITION, printed on superior paper and bound in half-leather, is very shortly to be issued at ONE GUINEA net. The above edition make an ideal gift for Young Nurses.

Scotsman.—"Comprehensive, thoroughgoing, well systematized, well indexed, and clearly expounded . . . an important addition to the . . . technical literature of medicine."**DENT'S
Medical Dictionary.**

By W. B. DRUMMOND, M.B., C.M., F.C.P.

With over 400 Illustrations and 4 Coloured Plates. Cloth, demy 8vo, **10s. 6d. net.**

An indispensable volume for the home and for social work.

ALDINE HOUSE, BEDFORD STREET, LONDON, W.G.2.**EDUCATIONAL BOOKS
SECOND-HAND OR NEW.****GALLOWAY & PORTER, University Booksellers,
CAMBRIDGE, ENGLAND.****CAREY'S "GRADUS AD PARNASSUM"**

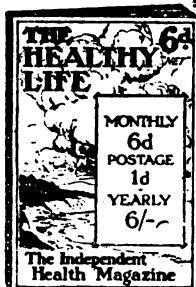
WITH THE ENGLISH MEANINGS

Revised, Corrected, and Augmented by a Member of the University of Cambridge

*Post 8vo, cloth, price 7s.***THE STATIONERS' COMPANY, Stationers' Hall, London, E.C.4.****THE
HEALTHY LIFE**

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

¶ Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W.1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.

**SCHEME FOR TEACHERS**

providing Life Assurance, Capital for purchasing Schools or Partnerships, and Income on Retirement.

**THE
FRIENDS' PROVIDENT INSTITUTION**

having made a special study of Educational Requirements offers an adaptable form of Policy suitable for either men or women.

FREEDOM FROM INCOME TAX

in respect of the amount paid in premiums.

For particulars send a post card, giving date of birth, to:—

FRIENDS' PROVIDENT INSTITUTION**42 Kingsway, London, W.C.2.****STANDARD BOOKS TO CONSULT.**

THE PUBLIC SCHOOLS YEAR BOOK	... net	7/6
THE GIRLS SCHOOL YEAR BOOK	... ..	7/6
THE SCHOOLMASTERS YEAR BOOK	... ..	20/-
THE DIRECTORY OF WOMEN TEACHERS	.. ..	10/6
H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd., 31 Museum Street, LONDON, W.C.1.		

Orders for monthly parts of

THE SCHOOL WORLD

for June, 1918, and earlier dates (i.e. before the amalgamation with "The Journal of Education") should be placed with

Messrs. Macmillan & Co., Ltd., St. Martin's St., London, W.C.2.**Blackboards cannot become Shiny**

in use, if covered with

**Proctor's "Defiance" (Trade Mark)
Slate Composition.****THE PERFECT BLACKBOARD SURFACE.***Samples, Prices, &c., from***JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.**

only the foundations of education in the country but also its very civilization.

A Provisional National Scale.

IN view of the scale recently drawn up for the payment of policemen it may be taken for granted that any commencing salary of less than £180 per annum for a fully certificated assistant teacher on a minimum national scale will meet with strenuous opposition from Primary School Teachers. Many will oppose a minimum of less than £200 per annum on the ground that policemen of nineteen or twenty years of age receive the equivalent of this amount as an initial remuneration. Under the new national scale, railway clerks engaged in work of more than ordinary responsibility must attain a maximum of £350 per annum at the age of thirty-one. The feeling of representative teachers appears to be in favour of the acceptance of a temporary scale ranging from £200 to £400 per annum by annual increments of £15 or £20. Within a specified period there would be a maximum approximating to that of assistants in Secondary Schools where the professional and educational qualifications are similar.

The Re-opening of Evening Schools.

IN many areas the present Winter session marks a general attempt on the part of Local Education Authorities to re-establish evening schools and classes which were allowed to lapse during the war period. Since the teachers in these schools gain considerable experience of the best methods of dealing with the practical problems of continuative education inasmuch as their work lies among pupils beyond the primary school age, they should form a valuable nucleus for staffing the new continuation schools when they are set up. Revisions of salary scales for evening school work have been unduly delayed in certain districts, with the result that such work has been refused by the teachers concerned. In some cases strikes have been resorted to, and in consequence the evening schools cannot open. It is often overlooked by Education Authorities that a cash payment of 10s. per evening, for example, is now subject to an income-tax charge of at least 2s. 3d. in the £1, so that its face value is only about 8s. 11d. and its real value about 5s., as compared with 9s. 4d. in 1914.

Obituary.

THE death of the late Mr. George Sharples, former President of the N.U.T., and one of the oldest members of the Executive, is a heavy loss to the teaching profession, and there is little doubt that his strenuous efforts in the cause of education indirectly contributed to his premature decease. As the representative of Lancashire teachers on the County Education Committee, he contributed materially to the atmosphere of cordial co-operation which has always distinguished the relations between the County Committee and its teachers. His constituents always relied implicitly upon his judgment; and his unerring faith in the principles of democratic representation made him an ideal professional member of an Education Committee. On the purely professional side Mr. Sharples will always rank as one of the pioneer band of Lancashire school masters who revived village and inter-town sport, first by personal participation in games, and secondly by including organized games in the school curriculum. In the death of Mr. Harris, one of the younger members of the Executive of the N.U.T., the Union has lost one of its most promising adherents. There is reason to believe that his zeal for school reform pressed heavily upon an enfeebled physique; but he never spared himself, and his winning personality will be sadly missed at the Annual Conference and in the Union Council chamber.

N.U.T. Notes.

THE decision of the Executive to suspend all strike action pending the report of the Advisory Committee on Salaries marks a critical stage in the history of the Union. The report is awaited with much interest by the local associations, all of which have definite views of what the national minimum scale should be. It is realized that Executive members are in a difficult and responsible position, and there is a general desire on the part of members to refrain from any action which would impede the progress of negotiations.

The Thank-Offering Fund of the Union in support of teachers who do not benefit from the present superannuation scheme now exceeds £18,000. The record of members of the Union who have served in the War will shortly be published in the form of a handbook. It will include a roll of honour and a list of distinctions awarded. In connexion with the next Easter Conference at Brighton, it has been decided to hold an educational exhibition.

George Allen & Unwin, Ltd.

The Problem of "Hamlet"

By the Right Hon. J. M. ROBERTSON. 5s. net.
"A characteristically profound and careful piece of criticism."—*Globe*.

The Philosophy of Speech

By GEORGE WILLIS. Ready Shortly. 7s. 6d. net.
A scholarly, ingenious, and entertaining study of the origin and development of speech, and its relation to the growth of thought.

Exercises in Logic

By Dr. A. WOLF. Limp Cloth. 3s. net.
"Logical method, in this author's treatment, walks arm in arm with common sense."—*Times Educational Supplement*.

Defective Housing and the Growth of Children

By J. LAWSON DICK, M.D., F.R.C.S. Ready. 3s. 6d. net.
The relative part played by defective housing and deficient feeding is discussed, and the lines on which these defects are to be remedied are suggested.

The Camp School

By MARGARET McMILLAN. Second Edition. 3s. 6d. net.
"The book is as attractive as it is instructive. . . . Deserves the respectful attention of all who have any responsibility for the education of the country."—*Educational Times*.

Newsholme's School Hygiene

The Laws of Health in Relation to School Life.
By JAMES KERR, M.A., M.D.
Fourteenth Edition. Revised and Rewritten. 4s. 6d. net.

Physical Education in Relation to School Life

By R. E. ROPER. 3s. 6d. net.
"A reasoned statement of the whole position, strongly recommended to head teachers."—*Educational Times*.

First Notes on Speech Training

By ELSIE FOGERTY. 4d. net.

Exercises in English Word Formation and Derivation

By FRANK RITCHIE, M.A. 1s. net. Fifth Edition.

Anglo-Saxon Reader and Grammar

By JAMES W. BRIGHT, Ph.D.
New and Revised Edition. 5s. net. Grammar separately. 2s. 6d. net.

Organic Chemistry

By JOHN WADE, D.Sc. Revised Edition. Illustrated. 3s. 6d. net.

Elementary Botany

By W. BLAND. Illustrated.
In two parts. 8d. net each, or complete 1s. 3d. net.

Text-book of Practical Botany

By Prof. E. STRASBURGER.
134 Illustrations. Sixth Edition. 10s. 6d. net.

Elementary Text-book of Botany

By S. H. VINES. 397 Illustrations. 10s. 6d. net.

STANDARD PLAYS for Performance in Schools.

Arranged, Edited, and Annotated by ELSIE FOGERTY.

Paper Covers, 9d. net. Costume Editions, 3s. net.
Shakespeare's "AS YOU LIKE IT." 3s. edition only.
Shakespeare's "LOVE'S LABOUR'S LOST."

Tennyson's "PRINCESS."
Euripides' "ALCESTIS."
SCENES FROM THE GREAT NOVELISTS. 3s. edition only.
Sophocles' "ANTIGONE" and "ELECTRA."
"THE QUEEN'S JEST" and two other plays.

MONOLOGUES FOR RECITATION. By ELSIE FOGERTY and AMY NANKIVELL.

UNIFORM WITH THE ABOVE.

Milton's "COMUS." Arranged by LUCY CHATER.
DRAMATIC SCENES FROM THE GREAT NOVELISTS. By ROSE I. PATRY. Paper, 9d. net. Cloth, 1s. 3d. net.
Scenes from "THE PILGRIM'S PROGRESS." Arranged by EMILY A. RUDD, with music by Dr. J. C. BRIDGE. Paper, 9d. net. Cloth, 1s. 3d. net.

RUSKIN HOUSE, 40 MUSEUM STREET, LONDON, W.C.1.

LIBRAIRIE LAROUSSE, PARIS

LAROUSSE DICTIONARIES

The best and most famous French Dictionaries

PETIT LAROUSSE ILLUSTRÉ. The best, most complete, and profusely illustrated of all handy French dictionaries. A handsome volume of 1,664 pages; 5,800 engravings; 130 plates, 4 in colours; and 120 maps, 7 in colours. Price, cloth, 15 fr.

LAROUSSE DE POCHES. The only strictly complete and practical French Pocket Dictionary in existence. Over 85,000 words with their definition and pronunciation, in addition to a Grammar of the French language and a short history of French literature. An attractive book of 1,232 pages, on thin paper [size 4½ by 6½ in., 2 in. thick, weight about 10 oz.]. Cloth binding, 12 fr.; flexible leather binding, 18 fr.

LE LAROUSSE POUR TOUS. Encyclopædic Dictionary in two volumes. The ideal dictionary for all who require a French dictionary more extensive than an ordinary one; with all the words of the language, pronunciation, etymology, synonyms, antonyms, a complete grammar simplified, history of literature. 1,950 pages; 17,325 engravings; 216 maps, black and coloured; 35 coloured plates. Paper, 65 fr.; half morocco, 95 fr.

NOUVEAU LAROUSSE ILLUSTRÉ. Encyclopædic Dictionary in eight volumes. The newest, most practical, and best illustrated of the large encyclopædic dictionaries, edited by over 400 eminent collaborators. 7,600 pages; 237,000 articles; 49,000 engravings; 504 black and coloured maps; 89 coloured plates. Paper, 350 fr.; half morocco, 500 fr.

GRAND DICTIONNAIRE LAROUSSE. Encyclopædic Dictionary in seventeen volumes. The most comprehensive of all encyclopædic dictionaries. 24,500 pages, 2,864 engravings. Paper, 725 fr.; bound in half morocco, 950 fr.

A Larousse Dictionary is indispensable to French teaching people.

BIBLIOTHÈQUE LAROUSSE

Masterpieces of French Literature

Fine volumes in library size (13.5 by 20 cent.). Interesting illustrations, notes, and criticisms. All great French writers, classical and modern, will appear in this collection, the finest and most up-to-date of all.

Each of the beneath volumes, stiff paper cover, 3 fr.

Ronsard: Œuvres choisies	1 vol.
Rabelais: Gargantua et Pantagruel	3 vol.
Cornille: Théâtre choisi illustré	3 vol.
Racine: Théâtre complet illustré	3 vol.
Molière: Théâtre complet illustré	8 vol.
Chefs-d'œuvre comiques des successeurs de Molière	2 vol.
La Fontaine: Fables illustrées	2 vol.
Boileau: Œuvres poétiques illustrées	1 vol.
La Rochefoucauld: Maximes	1 vol.
Mme de Sévigné: Lettres choisies illustrées	2 vol.
Regnard: Théâtre choisi illustré	2 vol.
Abbé Prévost: Manon Lescaut	1 vol.
J.-J. Rousseau: Les Confessions (extraits suivis)	1 vol.
J.-J. Rousseau: Emile (extraits suivis)	1 vol.
Diderot: Œuvres choisies illustrées	3 vol.
Voltaire: Œuvre poétique	1 vol.
Voltaire: Histoire de Charles XII	1 vol.
Voltaire: Théâtre choisi illustré	1 vol.
Beaumarchais: Théâtre choisi illustré	2 vol.
Montesquieu: Lettres persanes	1 vol.

Chateaubriand: Œuvres choisies	3 vol.
Benjamin Constant: Adolphe et Œuvres choisies	1 vol.
Stendhal: Chroniques italiennes	1 vol.
Stendhal: La Chartreuse de Parme	2 vol.
Stendhal: Le Rouge et le Noir	2 vol.
Ch. Nodier: Contes fantastiques	1 vol.
Ch. Nodier: Contes de la veillée	1 vol.
Balsac: Œuvres choisies	6 vol.
Musset: Œuvres complètes illustrées	8 vol.
Murger: Scènes de la vie de Bohème	1 vol.
Alfred de Vigny: Œuvres illustrées	7 vol.
Gérard de Nerval: Œuvres choisies illustrées	1 vol.
Anthologie des écrivains français des XV ^e et XVI ^e siècles	2 vol.
Anthologie des écrivains français du XVII ^e siècle	2 vol.
Anthologie des écrivains français du XVIII ^e siècle	2 vol.
Anthologie des écrivains français du XIX ^e siècle	4 vol.
Anthologie des écrivains français contemporains (Poésie)	1 vol.

EXTRA VOLUMES.—Victor Hugo: Œuvres choisies illustrées. The most beautiful edition of Victor Hugo's selected works, carefully printed and illustrated. Two fine volumes of about 550 pages each, 60 engravings. Price per volume, stiff paper, 6 fr. 50; cloth, 9 fr. 50.

The "Bibliothèque Larousse" will prove quite useful to those who intend to teach French. (Apply for the complete catalogue.)

HOW TO LEARN THE FRENCH LANGUAGE

FRENCH BY READING (Marcel's Course). First Book: Stories and Tales, 1 fr.; Second Book: Stories and Tales, 1 fr.; Third Book: Anecdotal History of England, 2 fr. (plus a temporary increase of 100%).

COMMENT ON PRONONCE LE FRANÇAIS. Complete and practical work on pronunciation, by PH. MARTINON. Most useful work for teaching the French language to foreigners. Size 7½ by 4½ ins. 414 pages. Paper, 4 fr. 50; cloth, 6 fr. (plus a temporary increase of 30%).

CONTES ET RECITS EN PROSE (XIX^e SIECLE), by WRIL and CHENIN. Cloth, 1 fr. 90 (plus a temporary increase of 100%).

LES LECTURES LITTÉRAIRES DE L'ÉCOLE, by P. PHILIPPON and Mme PLANTIÉ. This work will give to the pupils the indispensable minimum of literary culture, and will enlarge their intellectual horizon. Part for the pupil, in boards, 1 fr. 60; Part for the teacher, in boards, 4 fr. (plus a temporary increase of 100%).

COURS DE GRAMMAIRE CLAUDE AUGÉ. The French Grammar used in the majority of schools in France and abroad; simplified for foreigners like no other French Grammar. Four books: **Grammaire enfantine**, for the beginners (book for the scholar, 50 centimes; book for the teacher, 1 fr.); **Grammaire, cours élémentaire** (part for the pupil, 80 centimes; for the teacher, 2 fr.); **Grammaire, cours moyen** (part for the pupil, 1 fr. 25; part for the teacher, 3 fr.); **Grammaire, cours supérieur** (part for the pupil, 1 fr. 75; part for the teacher, 4 fr.) (plus a temporary increase of 100%).

LECONS ILLUSTRÉES DE FRANÇAIS, by E. BREUIL. A practical and attractive method for French study. Four books: **Cours préparatoire**, 80 centimes; **Cours élémentaire**, 1 fr. 20; **Cours moyen**, 1 fr. 60; **Cours supérieur**, 2 fr. 25 (plus a temporary increase of 100%).

FRANCE PAST AND PRESENT (In English)

A POPULAR HISTORY OF FRANCE, by B. VAN VORST. 92 illustrations, 2 maps ... 2 fr. 50

A POPULAR GEOGRAPHY OF FRANCE, by B. VAN VORST. 57 illustrations, 4 maps ... 3 fr.

LES LIVRES ROSES POUR LA JEUNESSE

Two volumes monthly (every 1st and 3rd Saturday). Each volume contains 32 pages, illustrated with numerous plates, 20 centimes (post free, 25 centimes). Yearly subscription: 6 francs.

(Only yearly subscriptions received, running uniformly from the 1st of January onward.)

All these Publications to be had from LIBRAIRIE LAROUSSE, 13-17 rue Montparnasse, PARIS (6^e) and principal booksellers throughout Great Britain. PROSPECTUS ON APPLICATION.

MACMILLAN'S NEW LIST.

W. & A. K. JOHNSTON'S PUBLICATIONS.

New Editions of W. & A. K. Johnston's Maps and Atlases, with up-to-date boundaries, will be issued immediately.

IMPERIAL WALL MAPS, 72×63 EUROPE.
LARGE SCHOOL WALL MAPS, 50×42 of ASIA.
SMALL SCHOOL WALL MAPS, 34×28 AFRICA.
WORLD.

A NEW SERIES OF HISTORY MAPS.

Printed in colours. Size 30 by 40 inches. Cloth, Rollers, and Varnished. 7s. 6d. net each.

Or any Six Selected Maps, mounted on Cloth and fastened together on one Roller, with Metal Rims, 42s. net.

WALL ATLAS OF EUROPEAN HISTORY.

An entirely New Series of History Maps.

Designed to show at a glance the Chief Political Changes and National Movements from the

Formation of the Roman Empire to the beginning of the Great War, 1914.

24 Maps. Size 40 by 30 inches. Cloth, Rollers, and Varnished. 7s. 6d. net each.

Or any Six Selected Maps, mounted as a Wall Atlas on Cloth and fastened together on one Roller with Metal Rims. £2 2s. net.

Detailed Prospectus, containing List of Maps, &c., post free on application.

ATLAS SENIOR GEOGRAPHY—EUROPE MEDITERRANEAN LANDS

Specially suitable for Upper Forms, and Candidates preparing for the Oxford and Cambridge Locals and other University Examinations.

MODERN ATLAS OF COMMERCE.

48 pages of Maps, printed clearly in brown. In strong paper covers. Without Index, 1s. 10d. net. With Index, 2s. net.

EDINA JUNIOR HISTORIES.

Suitable for Upper Standards, Higher Elementary and Central Schools, and Lower Forms of Secondary Schools. Written on the most Modern Approved Methods.

Book I. *The Age of Settlement.* B.C. 55—A.D. 1154. 1s. 4d. net.

Book II. *The Age of Chivalry.* A.D. 1154—1485. 1s. 4d. net.

Book III. *The Age of Discovery.* A.D. 1485—1603. 1s. 4d. net.

Book IV. *The Age of Strife.* A.D. 1603—1713. 1s. 4d. net.

Book V. *The Age of Empire Building.* A.D. 1713—1815. 1s. 4d. net.

Book VI. *The Age of Democracy.* A.D. 1815—1918. 1s. 4d. net.

Macmillan's Autumn Announcement List post free on application.

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C.2.

Practical Hints on the Teaching of Latin.

Being Four Lectures Delivered at Ilkley at the Board of Education's Latin Courses for Teachers in August 1918 and 1919. By L. W. P. LEWIS, M.A., Senior Classical Master, Bradford Grammar School. 5s. net.

Companion to Diaconus. By GEORGE G. LOANE, M.A. 6s. net.

Book II Just Published.

Lay's Pupils' Class-book of English Composition.

By ED. J. S. LAY, Author of "The Pupils' Class-books of Geography, History, The Vegetable Garden," &c. Illustrated. Book I (for children of 9 to 10). 1s. Book II (for children of 10 to 11). 1s. 3d.

The Schoolmaster:—"To write a book on English Grammar and Composition which will attract, and not repel children, is a feat upon which the successful writer may be fairly congratulated. The little work before us is ideal, for here are certainly lessons, but disguised so cunningly and cleverly that our young people will imagine they are at play when 'The Pupils' Class-book of English Composition' is placed before them for the purposes of study. . . . A book which we feel sure teachers will welcome and use with pleasure and profit."

Outlines of the History of the English Language.

By E. CLASSEN, M.A., Ph.D., Author of "Lectures on Style and Composition." 5s. net.

POCKET CLASSICS. New Vols.

Scott. Kenilworth. Edited with an Introduction and Notes by J. H. CASTLEMAN, A.M. 1s. 6d. net.

Rossetti. Selected Poems of Christina G. Rossetti. Edited with Introduction and Notes by C. B. BURKE, Ph.D. 1s. 6d. net.

Ruskin. The Crown of Wild Olive and the Queen of the Air. Edited with Notes and an Introduction by W. F. MELTON, Ph.D. 1s. 6d. net.

Dana. Two Years before the Mast. With an Introduction and Notes by H. E. KEYES, B.L. 1s. 6d. net.

SIEPMANN'S FRENCH FOR RAPID READING. New Vols.

Balzac. Le Bal de Sceaux. Par HONORÉ DE BALZAC. Limp cloth. 1s. 3d.

Ferry. Les Gambusinos Bermudes-el-Matasiete. Par GABRIEL FERRY. Limp cloth. 1s. 3d.

French Verbs and Verbal Idioms in Speech. By B. MÉRAS, Director of Stern's School of Languages of New York City, and E. JULES MÉRAS, Professor of French in Stern's School of Languages, New York City. 8s. 6d. net.

FIFTH EDITION.

Mendellism. By Professor R. C. PUNNETT, F.R.S. Fifth Edition. With Illustrations in Colour and in Black-and-White. 7s. 6d. net.

Catalysis: Its Theory and Practice. By ERIC K. RIDEAL, M.B.E., M.A., Ph.D., and HUGH S. TAYLOR, D.Sc. 17s. net.

Geology of India for Students. By D. N. WADIA, M.A., B.Sc., Prince of Wales's College, Jammu, Kashmir. Illustrated. 18s. net.

Education by Violence. Essays on the War and the Future. By HENRY S. CANBY, Ph.D., Professor in Yale University. 6s. 6d. net.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

No. 604.
Vol. 51. [WITH SUPPLEMENT.]

LONDON, NOVEMBER 1, 1919.

PRICE 8d.; BY POST, 10d.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

**December 1919 issue ready on No-
vember 29. Revised Advertisement
scale is on page 737. The latest time
for prepaid Advertisements is
NOVEMBER 22.**

SCHOLARSHIP NOTICES.

See pp. 714-717, 719, 722.

PHYSICAL TRAINING.

See pp. 715, 718, 719.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.
See below and p. 743.
UNIVERSITY TUTORIAL COLLEGE,
See p. 715.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
New Premises: 7, 9 & 10 Brunswick Sq., London,
W.C.1. See notice on page 743.

Joint Agency for Women Teachers

OAKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.
Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.
Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.
When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W.1.
Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).
Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

NATIONAL SERVICE RECORD

A record is being prepared of services rendered
in connexion with the war by Members of the
COLLEGE OF PRECEPTORS and holders of the
College Diplomas. For this purpose the Secre-
tary will be glad to receive information with regard
to such services, whether rendered in the fighting
forces, or in the auxiliary forces—e.g., Red Cross
organizations, Special Police, Women's war
organizations, or in other ways. He will also be
glad to receive from Members and Diploma holders
any proposals which their experience may have
suggested for improvements in methods or organiza-
tion, especially in relation to education and its use
as a training for national service.

PRELIMINARY EXAMINATIONS

FOR

MEDICAL, DENTAL,

AND

PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Margate, Plymouth,
Portsmouth, Sheffield, Southport, and Sunderland.
For Regulations, apply to the SECRETARY, College
of Preceptors, Bloomsbury Square, London, W.C.1.

University Correspondence College.

(Founded in 1887.)

PRINCIPAL:

WILLIAM BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.

VICE-PRINCIPAL:

B. J. HAYES, M.A. (Gold Medallist in Classics).

SCIENCE DIRECTOR:

A. G. CRACKNELL, M.A. (Sixth Wrangler), B.Sc.

LONDON UNIVERSITY DEGREES.

B.A., B.Sc., M.A., LL.B.,

B.Sc. (Economics), B.D.

Complete Prospectus post free from the

SECRETARY,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination

Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Thirty Tutors, Graduates in
very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1919 - 1901

Candidates in various Groups: 305 First
Class; 369 Marks of Distinction. In
June 1918 nine-tenths of our Candidates
succeeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-19 43 (Only two failures.)

Oxford Higher Local, 1903-19 - 178 Candidates in various Sections.

M.D. (Lond.), 1901-19 - 238 (Including 6 Gold Medallists during 1913-1918.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1919. Valuable Lesson-notes introduced before
each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

THE VEGETARIAN SOCIETY (NATIONAL) invites quotations and particulars from proprietors of residential schools (or similar institutions) with playing grounds, by the sea or in the country, with accommodation for from eighty to one hundred people, for use of buildings, together with bedding, table linen, crockery, &c., for its twenty-fourth Summer School, to be held during the summer vacation, 1920.—**THE VEGETARIAN SOCIETY, 257 Deansgate, Manchester.**

All Persons Interested in Phonetics
are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 2s. 10d. per annum.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

The Principles of the I.P.A., post free, 7d.

List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

BOOKS

On Educational,
Scientific, Medical,
Law, Theological and
ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free. State Wants. Books Bought.

W. & G. FOYLE, Ltd., 121/125 Charing Cross Road, London, W.C.2.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATE HURLBATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25 awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £28 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY OF ST. ANDREWS. UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. Dobson, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June.

The Hall has been enlarged to accommodate 64 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL. Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

HOLIDAYS IN NORTH WALES.

—Sea and mountains, mild climate, beautiful excursions. Golf course near. Comfortable, refined and magnificently situated Guest House in extensive grounds. Produce from own garden. 37s. 6d. per week inclusive. For Prospectus write—MANAGERESS, Bryn Corach, Conway.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—39 to 51 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—Miss C. P. TREMAIN, B.A.

BRIGHTON.

GRAFTON HOUSE, Grafton Street, Marine Parade (door sea).—Homely board-residence. 10 bedrooms. Bath (h. and c.). Electric light throughout. Good table. Moderate.

DROITWICH.

NORBURY HOUSE.—Entrance facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation," Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Comfortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.—The Misses WATSON.

LEIGH-ON-SEA.

THREE Paying Guests received. Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—Mrs. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB, 7, 9, and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

30, 31, &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 6s. 6d. Bed and Breakfast. "En pension" from 2½ guineas weekly. Telegs.: "Baggage, London." Phone: Museum 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 7s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 22s. 6d. to 30s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

PARIS.

MADAME PLANQUETTE'S comfortable home in pleasant environs is highly recommended by former guests. Liberal table, quick transit, good French conversation.—4 Rue des Vars, Bois Colombes, Seine, Paris.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home; good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsheld Road, East Twickenham, Middlesex.

HOLIDAY HOMES.

A WELL KNOWN TEACHER writes:
"I advertised this Summer [1917] my 'Small Holiday Home' in your paper. The advertisement proved very successful."

See also pages 715-719.

FROEBEL SOCIETY and JUNIOR SCHOOLS ASSOCIATION.

**SOHOLASTIC AGENCY for
JUNIOR FORM AND KINDERGARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**

Library for Teachers and Students preparing for the Examinations of the National Froebel Union.

Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.

THE BERGMAN ÖSTERBERG PHYSICAL TRAINING COLLEGE, DARTFORD HEATH, KENT.

Trustees:

Sir GEORGE NEWMAN, K.C.B., D.C.L.
The Marchioness of SALISBURY.
The Rt. Hon. CHRISTOPHER ADDISON, M.D., M.P.
The Hon. WALDORF ASTOR, M.P.
The Rt. Hon. Lord SHAW OF DUNFERMLINE, LL.D.

Principal:

Miss HILDA WALTON (Oxford Final Honour School, English Language and Literature).

Vice-Principal:

Miss ALMA WIKNER (Royal Cent. Inst. of Gymnastics, Stockholm).

The College was opened in 1885, and was the first of its kind in England. Students are prepared as teachers of Scientific Physical Education on Ling's Swedish System. The Course includes the study of Anatomy, Physiology, Theory of Education; the Theory and Practice of Gymnastics, Massage and Medical Gymnastics, Dancing and Outdoor Games. Students practise teaching in schools in the neighbourhood. The College stands in its own ground of 23 acres.

The course begins in **October**. Further particulars may be obtained on application to the **SECRETARY**.

INTERNATIONAL GUILD, 6 RUE DE LA SORBONNE, PARIS,

under the direction of

Mlle CLANET (agrégée de l'Université),
Mlle ROLLAND (),
Miss BURT, B.A. (Hons. "London"),

offers to Students, especially those intending to be teachers, a sound training in the **French Language**. Classes are held in

French Literature, History and Phonetics, Grammatical Commentary, Translation and Lecture Expliquée.

Preparation for the

Certificat d'Etudes Françaises of the Sorbonne, Diplôme d'Etudes Françaises of the Guild.

Simple course for less advanced students. A speciality is made of exchange lessons and social intercourse with the students of other nationalities.

CHANNING HOUSE HIGH SCHOOL AND BOARDING SCHOOL FOR GIRLS,

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours, London.

Pupils prepared for Matriculation and Intermediate Examinations of London University. Healthy situation, good playground and garden. Great attention given to physical training. Special terms for daughters of Unitarian Ministers. All inquiries to be addressed to the **HEAD MISTRESS**.

TEACHERS FOR SOUTH AFRICA.

QUALIFIED Women Teachers of all grades should apply to—**THE EDUCATION SECRETARY**, South African Colonization Society, 23 Army and Navy Mansions, 115 Victoria Street, S.W.1.

AGENCY ANNOUNCEMENTS will be found on pages 715, 719, 721, 723, 749, 751-759, 761.

PHYSICAL TRAINING COLLEGES will be found on pages 715, 718, and 719.

University Tutorial College.

LONDON.

(Incorporated with University Correspondence College.)



LONDON MATRICULATION.

Morning, Afternoon, and Evening Classes for the June Examinations can be taken up at any time at proportionate fees.

Annually for the last twenty years about 100 Students of U.T.C. have passed London Matriculation.

LABORATORY WORK.

PRACTICAL CLASSES

IN

CHEMISTRY, PHYSICS,
BOTANY AND ZOOLOGY

may be taken up at any time.

PRIVATE TUITION.

Private tuition may be taken up at any time, either during Term or in the ordinary School Vacations, in all subjects for London University and other Examinations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,
UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN W.C.1.



THE ASSOCIATED BOARD

OF THE

ROYAL ACADEMY OF MUSIC

AND THE

ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.

President: H.R.H. THE PRINCE OF WALES, K.G.

LOCAL CENTRE EXAMINATIONS (Syllabus A).

Examinations in Theory held in March and November at all Centres. In Practical Subjects in March-April at all Centres, and in the London district and certain Provincial Centres in November-December also. Entries for the March-April Examinations close Wednesday, February 11th, 1920.

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a year, viz., March-April, June-July, and October-November. Entries for the March-April Examinations close Wednesday, February 4th, 1920.

The Board offers annually SIX EXHIBITIONS, tenable at the R.A.M. or R.C.M., for two or three years.

Theory papers set in past years (Local Centre or School), price 6d. per set, per year.

Syllabuses A and B. Entry Forms, and any further information, will be sent post free on application to—

JAMES MUIR, Secretary,
14 and 15 Bedford Square, London, W.C.1.
Telegrams: "ASSOCIA, LONDON."

SPECIAL CORRESPONDENCE COURSES.

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments, Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. } 177 Correspondence Exams., 1910-19 Students successful.

Mr. E. H. BIBBY, Mus. Bacc., L.R.A.M., A.R.C.M., c/o Forayth Bros., Deanagate, Manchester.

CENTRAL SCHOOL OF SPEECH TRAINING AND DRAMATIC ART.

President: **SIR FRANK BENSON**,

Under a Council of Management.

Principal: **ELSIE FOGERTY, L.R.A.M.**,

Royal Albert Hall, Kensington Gore, S.W.7.

COURSES OF DRAMATIC AND

TECHNICAL TRAINING,

VOICE TRAINING,

ENGLISH PHONETICS,

CURE OF SPEECH

DEFECTS,

RECITATION,

PUBLIC SPEAKING.

Complete Training Course for Teachers,

Preparation for the L.R.A.M. Diploma.

Schools visited and inspected.

ASSOCIATION OF TEACHERS

OF

SPEECH TRAINING.

Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.

President:

Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, South Kensington, S.W.7.

Secretary:

Miss WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.

Trained resident or visiting teachers sent to any part of England. Assistants also undertake residential treatment of delayed speech, stammering, or other difficulties. Physical exercises for chest development, breath control, or defective articulation given by trained teachers. Advice on speech training given. Transference of connexions undertaken.

A leaflet containing all principal Tone and Articulation Exercises, together with "Examples" for the practice of each vowel sound, may now be obtained. Price 2d. each, or, to Members of the Association, 1½d. each. Postage extra. Apply — Miss Wellesley-Reade.

TRAINING COLLEGES and Technical Schools.

See also pages 713-722, 732, 735, 743, 746, 749, 767, 771; [Halls of Residence] 714-719; [Physical Training] 715, 718, 719; [Scholarships] 714-717, 719, 722.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W. 2.

TRAINING COLLEGE

(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANET HUBBARD, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes; Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union. Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools. Diploma Students attend University Lectures. Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON),

CAMPDEN HILL ROAD, W. 8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

BIRKBECK COLLEGE

BREMS BUILDINGS, CHANCERY LANE, E.C. 4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING) FOR DEGREES IN

ARTS AND SCIENCE,

under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Laws.

GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

Lectures on the History of London, Fridays, 5.30.

SESSIONAL FEES { Day: Arts, £10.10s.; Science, £17.10s.
Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION.

In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union.

Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W. 6.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers,

PRINCIPAL: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects, Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaton Road, Cambridge.

The term began on September 20th.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARTH ROAD, WEST KENSINGTON, LONDON, W. 14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL.

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A.

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 75 to 100 Guineas.

Scholarships of £50 may be awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 may be awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

Girls' Public Day School Trust, Limited.

GLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

63 SOUTH SIDE, GLAPHAM COMMON, S.W. 4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education).

Cambridge Teacher's Certificate and London Teacher's Diploma.

2. ART TRAINING DEPARTMENT.

Various Examinations qualifying for Art Teaching in Secondary Schools.

3. KINDERGARTEN TRAINING DEPARTMENT.

All Examinations of the National Froebel Union, including Trainer's Diploma.

4. TRAINING DEPARTMENT for Teachers of Housecraft.

Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

MEDICAL

PRELIMINARY EXAMINATIONS

THE

University Examination Postal Institution

provides postal courses for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes.

Oral lessons are also given, privately or in class.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C. 1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W. 1.

EXAMINATIONS for Teachers'

Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

ST. GEORGE'S TRAINING

SCHOOL (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scotch Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scottish Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

TRAINING COLLEGES and Technical Schools.

See also pages 713-722, 732, 735, 743, 746, 749, 767, 771; [Halls of Residence] 714-719; [Physical Training] 715, 718, 719; [Scholarships] 714-717, 719, 722.

BEDFORD COLLEGE FOR WOMEN

(University of London),

REGENT'S PARK, N.W.1.

SECONDARY TRAINING DEPARTMENT.

Recognized as a Training College by the Board of Education, the University of London, and the Cambridge Syndicate.

For particulars of Scholarships and Bursaries apply to the Head of the Department, Miss S. MELHUIS, Final Hist. Hons. Oxon.; M.A. Vict.; London Diploma in Pedagogy (University Reader in Education).

THE ENGLISH FOLK DANCE SOCIETY.

Hon. Director: CECIL J. SHARP.

A CHRISTMAS SCHOOL of Folk Song and Dance will be held in London from December 29th to January 3rd, inclusive. For further particulars apply to the SECRETARY, E.F.D.S., 73 Avenue Chambers, Vernon Place, W.C.1.

SPEECH TRAINING SCHOOL, NON-RESIDENTIAL.

8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals: Miss C. CRACKNELL, late of Swanley Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

ALDERSEY HALL, HANDLEY, CHESHIRE.

SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

MRS. CURWEN'S PIANO-FORTE METHOD.

ALSO EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

HOLIDAY CLASSES for MUSIC TEACHERS, held daily, Jan. 1st to 7th, 1920, at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

WESTFIELD COLLEGE (UNIVERSITY OF LONDON).

Chairman of Council:

The Rev. Canon TEMPLE, D.Litt.

Principal: Miss B. S. PHILLIPPS, Litt.D., F.R.Hist.Soc., O.B.E.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident £120 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination to be held April 26th-29th, 1920. Applications for entrance should be sent in before April 12th.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W.3.

BATTERSEA POLYTECHNIC, LONDON, S.W.11.

DOMESTIC SCIENCE TRAINING COLLEGE.

Head of the College: Miss MARY E. MARSDEN.

RECOGNIZED Courses of Training for Teachers of Cookery, Laundrywork, Housewifery, including Infant Care, Advanced Cookery, Needlework, Dressmaking, and Ladies' Tailoring.

Training for School Matrons and Housekeepers.

COLLEGE OF HYGIENE AND PUBLIC HEALTH.

Head of the College: Miss HILDA BIDELEUX.

Recognized Courses of Training for Health Visitors, Infant and Child Welfare Workers, Sanitary Inspectors, Teachers of Hygiene, and Meat and Food Inspectors. Preparatory Courses for Nurses.

Courses commence in September, January, and April.

Hostels for Students.

For particulars of Curricula, Fees, Scholarships, Maintenance Grants, and Hostels, apply to the SECRETARY.

NORTH OF ENGLAND.

THE

CALDER GIRLS' SCHOOL,

Seascale, Cumberland.

Mountain and Sea air,

dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

Northern Counties Training School of Cookery and Household Economy,

NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in COOKERY, SEWING, LAUNDRY, DRESSMAKING, HOUSEWIFERY, MILLINERY

School year began in September.

BEDFORD KINDERCARTEN CO., LIMITED, AND TRAINING COLLEGE, 14 The Crescent.

Council:

THE BISHOP OF BIRMINGHAM;
C. W. KAYE, Esq., M.A., late Head Master Bedford Modern School.

Principal: Miss AMY WALMSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence for Students—Shenstone Lodge, Osborne House, and Magdala House.

Branch School—Froebel House, Goldington Avenue. For terms and particulars apply to—The Secretary, ALEXANDER MORRISON, 28 Hill St., Bedford.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S.

A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams: "Eurhythm, London." Telephone: Museum 2294.

In the Teachers' Training Course the School year began October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

Dalcroze School of Eurhythmics, Limited.

23 Store Street, W.C.1., will hold VACATION CLASSES in LONDON, Monday, December 29th to Thursday, January 8th inclusive (Rhythmic Movement, Solfege and Practical Harmony), and in LIVERPOOL, Monday, December 29th to Thursday, January 8th inclusive (Rhythmic Movement only). Prospectus on application.

DAY, EVENING, RESIDENTIAL, and POSTAL.

KENSINGTON COLLEGE GUARANTEES SECRETARIAL POSITIONS.

Prospectus, Souvenir, and Solicitor-General's Speech from Mr. J. A. MUNFORD, F.R.S.A., F.R.C.I., V.D., Director, 34 Bishop's Road, Paddington, London, W.2. Opened by her Grace KATHARINE DUCHESS of WESTMINSTER.

TRAINING COLLEGES & Technical Schools.

See also pages 713-722, 732, 735, 743, 746, 749, 767, 771; [Halls of Residence] 714-719; [Physical Training] 715, 718, 719; [Scholarships] 714-717, 719, 722.

UNIVERSITY OF GRENOBLE (France).

WINTER TERM, 1919-1920.
3rd November to 15th March.

COMPLETE Course of University Study in Letters, Science, Law, Medicine. Polytechnic Institute. Commercial Institute. **Special Lectures on French Language and Literature for foreign students.** Complete Course of Phonetics. Practice in Reading and Speaking. (Groups of 6.) Practice in Translation and French Composition. (Groups of 25.) Fees: 720 francs per term. (Exclusive of Practical Exercises.) Family Boarding Houses from 40 to 100 francs a week. **Every Winter Sport** (skating, sledging, ski, &c.), in the finest province of France. Half fare on the P.L.M. line. More detailed information sent free on receipt of demand addressed to
COMITÉ de PATRONAGE des ÉTUDIANTS ÉTRANGERS, UNIVERSITÉ DE GRENOBLE (France).

SOCIETY FOR THE STUDY OF ORTHOPSYCHICS.

30 Brunswick Square, W.C. 1.

TRAINING COURSE

IN APPLIED PSYCHOLOGY:

Practical study of Character and of the psychological fundamentals of social work (Education, Criminology, &c.)

All particulars of the SECRETARY.

The Quarterly Meeting of Members of the above Society will be held on November 6th at 8 p.m. when J. C. Flügel, Esq., B.A., will read a paper on "A Fundamental Disharmony of Human Life."

SCHOOL
WORLD

WANTED. — Parts for MARCH, 1904 (Vol. 6).

MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C. 4.

PHYSICAL TRAINING.

See also pages 715 and 719.

BEDFORD COLLEGE OF DANCING AND PHYSICAL CULTURE.

The Crescent Studios, 4a The Crescent, Bedford.

MISS MILDRED BULT receives resident and non-resident students to train for the profession. A thorough training in Technique in all branches of Dancing and in Class Teaching given.

The course includes **Drill, Gymnastics, Fencing, and Voice Production.** Students live in the Principal's pleasant private house and have every home care and comfort. For Prospectus apply—Miss BULT.

PHYSICAL TRAINING COLLEGE, QUEEN ALEXANDRA'S HOUSE GYMNASIUM, KENSINGTON GORE, S.W. 7.

EDUCATED GIRLS TRAINED AS TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A four terms' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PORTLAND ROAD GYMNASIUM, London, W.—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHE, Member and Examiner of the British College of Physical Education, M.G.T.L., Kyson, Highcroft Gardens, Golder's Green, N.W. 4.

Partnership Offered.

WANTED, a PARTNER in a rapidly increasing Preparatory Boys' School in Ireland. Day Boys and Boarders now total 50. An English Public School man desired, and a Graduate of Oxford or Cambridge preferred. No immediate outlay of capital required. Full particulars on application. Address—No. 10,919.*

Anstey Physical Training College, Erdington,

offers complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

RESIDENTIAL FEES: £110 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

E DUCATED GIRLS thoroughly trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—Miss IRONSIDE, Training Bureau, 50 Lincoln's Inn Fields, W.C. 2.

Boarding House Required.

LADY wishes to obtain or start BOARDING HOUSE in connexion with School of good standing. Highest references. Address—No. 10,920.*

COACHING, Correspondence Lessons, &c.

MISS M. MURDOCH, L.L.A., Coaches by Correspondence in French, History, English Language, and Literature, and Comparative Religion for Cambridge and Oxford Locals and other examinations.—The Rectory, Little Stukeley, Huntingdon.

COACHING by Correspondence in Latin and Greek for University and Scholarship examinations. Prose versions for the use of teachers.—Miss WISHART, M.A. Lond., Churchstanton, Honiton.

ELOCUTION AND SINGING.—CORDELIA COE (Cert. R.A.M.) gives Private Lessons in the above. Schools attended. Plays produced. For terms apply by letter—63 Biddulph Mansions, Maida Vale, W. 9.

FRENCH LESSONS for Girls from Edinburgh Graduate (Honours in Languages). 2 half hours a week. 3 guineas for 24 lessons. Apply—Miss TROTMAN, 62 Broadway, Westminster.

DR. ETHEL R. SPRATT, D.Sc. (Lond.), A.K.C., late lecturer at King's College, University of London, will give private tuition, personally or by correspondence in general subjects to Matriculation standard; Mathematics, Chemistry, Physics, to Inter. B.Sc.; and Botany for any examination including Hons. B.Sc.—47 Beryl Road, Hammersmith.

MISS MASOM, B.A. Honours, Registered Teacher, prepares for Matriculation, Oxford and Cambridge Locals, Responsions, &c. in Mathematics and other subjects. Greek for Responsions. Schools or privately. At Richmond twice weekly. Successful experience. Highest testimonials.—207 Adelaide Road, Hampstead, N.W. 3.

MISS M. H. WHITING (Camb. Math. Tripos) coaches in Mathematics, candidates for School or University Entrance Examinations.—Long Acre, West Ealing, W. 13.

Continental Schools

COLLÈGE DE CANNES, FRANCE (High School for Boys). Fine building; every comfort. Private rooms. Special arrangement for foreigners wishing to speak French fluently. £21. 8s. a term.

DANS très bel immeuble, bien organisé, très bien situé, on reçoit Jeunes Filles pour achever éducation française. Cours faits par Professeurs de l'Etat; régime choisi. Ville située sur grande ligne, Paris-Bordeaux, proximité Royan et plages océan Côte d'Argent. S'adresser pour tous renseignements à Madame LA DIRECTRICE DE L'ÉCOLE PRIMAIRE SUPÉRIEURE DE JEUNES FILLES DE PONS (Charente Inférieure), France.

Speech Training and Elocution.

MISS LAURA SMITHSON, L.R.A.M. Elocution A., Director of Stratford-on-Avon Shakespeare Festival Summer School of Education. Recommended by Sir Frank Benson, Miss Lillian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W. 8. North Country towns, including Newcastle-on-Tyne (Conservatoire of Music) visited weekly by Miss IVY SMITHSON.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C. 4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GORDON, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d. each; Music to Dances, 9d. each. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION

FOR WOMEN.

(SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Apply for Prospectus to Miss DOROTTE WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENE M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE,

WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming, Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

Training strictly Swedish. Preparation for the Examinations of the Ling Association and the Incorporated Society of Trained Masseuses.

OPEN-AIR GYMNASIUM. SPORTS GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W. 1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W. 3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASTIC TEACHERS.

See advertisement on page 715.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W. 11. Tel.: PARK 3948.

PHYSICAL TRAINING COLLEGE,

LOWER REDLAND ROAD, BRISTOL.

TRAINING in Swedish and

British Gymnastics for public examination. Tennis, Hockey, Cricket under a County player. Swimming, Massage and Remedial Gymnastics under a certificated Masseuse. Anatomy, Physiology, Hygiene.

Dancing, Ballroom and Ballet, Dalcroze Eurhythmics.

Students prepared for the advanced certificate of The English Folk Dance Society.

Residential fees on application to—The Misses JENNINGS, HOLBROW, and COLSON.

For other Physical Training Advertisements see pages 715 and 718.

BURLINGTON CORRESPONDENCE CLASSES.

Principal: Mr. J. CHARLESTON, B.A. (Hons. Oxon. and Lond.).

THE STAFF includes Graduates of London, Oxford, Cambridge, and other Universities.

THE METHOD is thoroughly individual system, ensuring the closest attention to the needs of each student.

EXPERT TUITION for:—

Matriculation.

Oxford and Cambridge Locals (Junior, Senior, and Higher).

Intermediate Arts and B.A.

Intermediate Science and B.Sc. (Theoretical Subjects only).

L.L.A. (St. Andrews).

College of Preceptors' Diplomas.

SINGLE subjects may be taken if desired:—Latin, Greek, French, Mathematics, Logic, Psychology, &c.

*Address—THE SECRETARY,
Burlington Correspondence College,
14 Eisham Road, Kensington, W.14.*

For Sale or Transfer.

See also pages 723, 750, 751, and 752.

FOR SALE WITH VACANT POSSESSION.

LEAMINGTON SPA.—The excellent, well-built, and extensive premises, recently enlarged and modernized, **THE LEAMINGTON COLLEGE** (just vacated by Dover College Co., Ltd.), standing in a high position in this well-known and popular inland health resort, and affording accommodation for from 80 to 100 boarders, and another 100 or more day pupils, with Class-rooms, Studies, Laboratory, detached Sanatorium, Gymnasium, Chapel, large Playground, and Head Master's Residence. Modern Sanitation, Hot Water, Heating, &c.

For further particulars and price apply to **COOKES & SOUTHOORN**, Estate and House Agents, The Parade, Leamington Spa.

BOARDING SCHOOL, or other Institution, or Private Residence. Five miles Hitchin and two minutes Main line, G. N. Station. Beautiful and healthy situation. 16 rooms (three 26 ft. by 20 ft., 22 ft. by 14 ft., 22 ft. by 15 ft. 9 in.), ample offices, four W.C's., Bath (h. and c.), Water, Gas, Garage, Stabling, and many outbuildings. Three acres grounds. Tennis and croquet lawns, fruit trees, kitchen garden. Great scope for extension. Freehold £2750.—**BROWN**, 407 Kingsland Road, London, E.8.

LADY (B.A., L.L.A.) wishes to PURCHASE HOSTEL in connexion with Boarding School (Girls' or Boys'). Capital at command £1,000.—**HOOPER'S** (Educational Agents), Ltd., 13 Regent Street, S.W.1. Established 1881.

GIRLS' SCHOOL for sale; established by retiring Principal, 1878. 24 boarders, 10 day pupils. Estimated receipts about £1,400. Price, One Term's fees.—**HOOPER'S** (Educational Agents), Ltd., 13 Regent Street, S.W.1. No charge to purchasers. Established 1881.

LADY highly qualified, both in teaching and housekeeping, wishes to purchase or start **BOARDING HOUSE** in connexion with High School or other School of good standing. Excellent references, both financial and personal. Address—No. 10,926.*

FOR SALE.—The nucleus of a small high-class **SCHOOL FOR GIRLS** in a delightful part of Hampshire, consisting of seven day pupils, paying fees from 21 to 30 guineas per annum; school carried on in a modern 10-roomed cottage, with good garden; rent £32 per annum; 5 years' lease to run; £220 required for goodwill, including separate schoolroom and furniture. For further particulars apply T. 3,054, care of **TRUMAN & KNIGHTLEY, Ltd.**, School Transfer Agents, 158-162 Oxford Street, London, W.1.

HEAD MISTRESS, with a view to succession, required for first-class Boarding and Day School for Girls in the N.W. of England; 29 boarders, paying from 80 to 90 guineas per annum, exclusive of extras, and 111 day pupils, paying from 15 to 24 guineas per annum, exclusive of extras; excellent premises, standing in large grounds; gross receipts nearly £6,000, net profit about £850; University woman, able to pay down about £500, would be received as Head Mistress at a salary and commission, with a view to taking over the School on favourable terms. For further particulars apply T. 2,970, care of **TRUMAN & KNIGHTLEY, Ltd.**, School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE.—BOARDING AND DAY SCHOOL FOR GIRLS in first-class residential district of London. 22 boarders, paying fees from 100 to 120 guineas per annum, and 15 to 20 day pupils. Gross receipts over £3,000 per annum, capitation fee for goodwill, furniture at valuation. For further particulars, apply T. 3,061, care of **TRUMAN & KNIGHTLEY, Ltd.**, School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE. — High-class BOARDING AND DAY SCHOOL FOR GIRLS in inland Northern Health Resort. 35 boarders, paying from 70 to 90 guineas per annum; 23 day boarders, paying from 27 to 33 guineas per annum; and 12 day pupils, paying from 18 to 24 guineas per annum, all exclusive of extras. Gross receipts over £4,900, net profit over £1,400, goodwill £1,500, furniture at valuation. Principal willing to negotiate with a suitable successor able to pay down £1,000. For further particulars, apply T. 3,042, care of **TRUMAN & KNIGHTLEY, Ltd.**, School Transfer Agents, 158-162 Oxford Street, London, W.1.

FOR SALE. — Near Dublin. GIRLS' BOARDING AND DAY SCHOOL, or PARTNERSHIP with view to succession. Address—No. 10,929.*

Partnership Desired

GRADUATE, with good experience in Preparatory Schools, desires PARTNERSHIP. Capital £3,000 to £4,000.—**HOOPER'S** (Educational Agents) Ltd., 13 Regent Street, S.W.1. No charge unless business results. Established 1881.

School Premises Wanted.

PRINCIPAL of High-class Girls' School (25 boarders) wishes to rent, on lease, suitable house standing in 2 to 5 acres in a good residential neighbourhood. Home counties or seaside. Rental about £300. Would join another school with view to transfer. Address—No. 10,917.*

L. R.A.M. and A.R.C.M. Teaching Singing Exams. Special Correspondence Course and personal tuition. Complete preparation. Pupil writes: "Your Course is excellent, and my singing work has greatly improved, thanks to your tuition.—A. F."—**MR. W. LEE WEBSTER, L.R.A.M., A.R.C.M.** (Teaching Singing), 22 Lucknow Avenue, Nottingham.

LECTURES ON ART. Single or in Series. London and the provincial capitals. For prospectus and terms address—**MISS A. ROBERTSON**, 45 Paulton's Square, Chelsea, S.W.3.

CHILDREN'S SINGING. — MR. JAMES BATES, Lecturer on Voice Culture and Class Singing at the Royal Academy of Music, gives advice to teachers and parents; also lessons to children. Address—6 Blomfield Crescent, Paddington, W.2.

Posts Wanted.

POSTS ABROAD.

LADY TEACHERS are earnestly advised to consult the Continental Secretary of the Girls' Friendly Society, 14 & 16 Holborn Place, Sloane Square, London, S.W.1, before accepting any post abroad. Apply by letter, enclosing stamped addressed envelope. A small charge is made for verification.

JANUARY. — Post MATRON-HOUSEKEEPER boys' school, required by Englishwoman educated England and France (French diploma). Experienced nurse, doctors' testimonials, accustomed to teaching.—**MISS WEBB**, 126 Westfield Road, Caversham, Reading.

YOUNG FRENCH LADY, highly educated, seeks a situation in English family to teach French. Write—**MISS BERGER**, 58 Grande Rue, Roubaix, France.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

JOINT SCHOLASTIC AGENCY LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO.

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital). Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m. Appointments should be made when possible.

Telephone: Museum 3217. Telegrams: "Educatorio Grenville London."

We have now a large number of ASSISTANT MASTERS and MISTRESSES DISENGAGED.

GOOD SCHOOLS FOR SALE IN VARIOUS PARTS OF THE COUNTRY.

ALL BUSINESS CONDUCTED PROMPTLY AND CAREFULLY.

Address: OSWALD SUNDERLAND.

The Bureau, 1 Sicilian House, London, W.C.1.

Posts Wanted—continued.

DEMobilized Officer (Captain, M.A. Oxon), age 30, 4 years' teaching experience, wants post in good school. English, Mathematics, Latin. Good at Games and Sports. Several other well-qualified and experienced men disengaged.—**HOOPER'S** (Educational Agents), Ltd., 13 Regent Street, S.W.1.

REGISTERED Secondary Teacher (40) with Public School training and 20 years' experience seeks **HEAD MASTERSHIP** Endowed Choir or Cathedral School. Good vocalist. Keen on school games. First-class teacher. Highest references and testimonials.—**HOOPER'S** (Educational Agents), Ltd., 13 Regent Street, S.W.1.

ASSISTANT MUSIC MASTER-SHIP, ex-R.A.F. Pilot (23) seeks post as above. 14 years' training, pupil of Cathedral Organist, and M.I.G.C.M., M.N.C.M. Good games and all round education. Can teach Drawing. Apply—**HOOPER'S** (Educational Agents), Ltd., 13 Regent Street, S.W.1.

AS HOUSE MISTRESS.—Certificated. Thoroughly experienced gentlewoman (L.L.A.). Certificated Music, Drawing. Accustomed to High School routine. Good manager. "Most successful teacher; perfect discipline. Most conscientious, thorough, methodical." Responsible post desired.—**G.G.G.**, **HOOPER'S** (Educational Agents), Ltd., 13 Regent Street, S.W.1.

HIGHLY qualified FRENCH MISTRESS. Successful coach. Excellent English references. Keenly interested in girls' pursuits. Elem. Italian.—**B.B.B.**, **HOOPER'S** (Educational Agents), Ltd., 13 Regent Street, S.W.1. Also several Junior French Mistresses. List gratis.

LADY, interested in combining practical Secretarial Course with ordinary school curriculum for girls of 13 and upwards, seeks post (non-residential) in January as **SECRETARY, REGISTRAR, or BURSAR** in School, Training College, or Educational Association in or near London. Experienced in Pitman's Shorthand, Touch Typewriting, Card Indexing, A/c's to Profit and Loss, and office management. Apply—**Miss BAGENAL**, 11 Spencer Hill, Wimbledon, S.W.19.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 720.

FRENCH Lady, age 25, Licenciée Lettres, Diplôme études supérieures (French B.A., M.A.), two years' experience in Boys' Secondary School in France (Senior Department), desires post at Christmas in Training College or School in or near London. Salary £120 resident. English references.—**GOBERT**, 60 rue Jean sans Gène, Lille, France.

ART MISTRESS desires more VISITING ENGAGEMENTS at Schools—Broadstairs, Margate, Ramsgate, and district. Art, Plain Needlework, Embroidery. Experienced, qualified, registered. Testimonials and references from schools in district.—**Miss ELISIE BARLING**, 30 Victoria Avenue, Northdown, Margate.

Posts Wanted—continued.

GAMES, DANCING, SWEDISH GYMNASTICS.—For trained and certified teachers, having had experience, apply to **THE SECRETARY, Association of Past Students, Physical Training College, Liverpool.**

WANTED, in January, by lady (A.R.C.M.), VISITING or NON-RESIDENT WORK in Schools in Isle of Wight. Piano, Harmony, Class Singing. Examinations prepared for. Experience in Public and Private Schools. Good references and testimonials.—**Miss BATTISHELL**, St. Katharine's School, St. Andrews, Fife, N.B.

HANOVERIAN WOMAN, 40, fully qualified and experienced teacher, University education, seeks post in any capacity. 12 years' English teaching and 3 years' social service. Highest references and testimonials. Write—**Box 704, HARROD'S Advertising Agency, Hans Crescent, S.W.1.**

GEORGE GILL & SONS, Ltd.

GEOGRAPHICAL.

The Imperial Geography. By **GEORGE GILL, F.R.G.S.** s. d.

A Geography of the World, embodying recent commercial developments, together with such statistics as may be necessary for the examinations. Illustrated by 106 specially engraved Maps of Countries, River Basins, Centres of Commerce, Routes, &c. The text is rendered interesting by the addition of useful information dealing with the Commercial and Social life of the people. 494 pp., crown 8vo ... 3 9

The O. and C. Geography. By **GEORGE GILL, F.R.G.S.** 2 0

Revised edition, new Maps ... Where possible this edition has been brought up to date to include the geographical changes in consequence of the Great War. Owing to the lack of official information, in some cases the previous text has remained unaltered. As the necessary information is forthcoming, the book will be further revised.

The O. and C. Junior Geography. Expressly prepared for use in Junior Forms. Illustrated by many Coloured Maps and Pictures. 168 pp., crown 8vo, Cloth ... 1 6

ARITHMETICAL.

The O. and C. Practical Arithmetic. New edition, enlarged. The rules are taught in progressive stages, each embodying some peculiar method or special difficulty ... 1 6
Ditto, with Answers ... 1 6
Answers, separate, Cloth ... 0 9

The Whitehall Table Book, containing all ordinary Tables, and also Metric Tables ... 0 1½

HISTORICAL.

The Imperial History. By **ROSCOE MORGAN, B.A.** The text of this work is not over-burdened with unnecessary detail, whilst no effort has been spared to render the book suitable for examination requirements. Numerous Maps and Illustrations illustrate the text. 416 pp., crown 8vo ... 3 9

The O. and C. History of England. ... 2 0
From B.C. 55 to the present day. Containing 55 Illustrations and 28 Coloured Maps. The text of this work is not overburdened with unnecessary detail. This book is especially suitable for examination requirements.

Historical Atlas, with Chronological Notes. By **E. A. BENIANS, M.A.**, and **T. H. KNIGHT, M.A.** 40 new Historical Maps, with full Notes facing each Map. Crown 8vo, 96 pp., Full Boards, net ... 1 0

Atlas and Notes on European History. By **J. HARLEY FUDGE, M.A.** ... 1 6
Dealing from the time of Diocletian to the Great War, 1914. This book contains 33 Maps, illustrating the notes which are divided into 27 chapters. These notes are chronologically arranged and practically form a précis of the history of Europe.

Gill's Long Tot Book. By **Rev. CHARLES BROOKE, M.A.** Containing 192 Facsimile Civil Service Long Tots, together with 64 Tots 3 times their length. 32 pp., Paper ... 0 4½
Ditto, on Cards, per packet ... 1 3
Teachers' Edition, with Answers ... 0 9

Gill's Cross Tot Book. By **Rev. CHARLES BROOKE, M.A.** Containing 64 sets of Civil Service Cross Tots; giving a total of over 1,800 Cross Additions and 700 Simple Additions. 32 pp., Paper ... 0 4½
Ditto, on Cards, per packet ... 1 3
Teachers' Edition, with Answers ... 0 9

CATALOGUE AND SPECIMEN PAGES POST FREE UPON APPLICATION.

London: **GEORGE GILL & SONS, Ltd.**, 13 Warwick Lane, E.C.4.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, STUDENTSHIPS, and BURSARIES.

ROYAL HOLLOWAY COLLEGE.

(UNIVERSITY OF LONDON.)

Principal: Miss E. C. HIGGINS, B.A.

THE COLLEGE prepares Women Students for the London Degrees in Science and Arts.

ELEVEN ENTRANCE SCHOLARSHIPS, from £50 to £60 a year, and a certain number of Bursaries of not more than £30, tenable for three years, will be offered for Competition in June, 1920. Inclusive fee £120 a year.

For further particulars apply to the SECRETARY, Royal Holloway College, Englefield Green, Surrey.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter. Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

BEDFORD SCHOOL.—Head

Master: REGINALD CARTER, M.A. An Examination will be held at Bedford on March 18th, 1919, for 4 Exhibitions £50-£40, and 6 Nominations £10-£20 for Boarders, and 4 for Day Boys. Apply for particulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EXHIBITIONS.—Seven Exhibitions are offered to Sons of Old Bedfordians on certain conditions. For particulars apply—HEAD MASTER, Bedford School.

CRANBROOK SCHOOL, KENT.

Head Master: Rev. C. F. PIERCE, M.A. Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

KING'S SCHOOL, CANTER-

BURY.—ENTRANCE and KING'S SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College,
Trinity Hall; Newnham College;
Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

NEWNHAM COLLEGE.—TWO SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £50 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

BRIGHTON COLLEGE.—An Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

RADLEY COLLEGE.

Five Scholarships and some Exhibitions varying in value from £80-£25 will be offered for competition in the Summer of 1920. The date of Examination will be announced later.

Apply for particulars to:—

THE BURSAR OR THE WARDEN,
Radley College, Near Abingdon, Berks.

DOWNSIDE SCHOOL, BATH.

CLASSICAL and MATHE-
MATICAL SCHOLARSHIPS, value £50 a year. Examination in June.

Particulars from—

The Head Master,
Downside School,
Stratton-on-the-Fosse,
Near BATH.

WEYMOUTH COLLEGE.

SIX SCHOLARSHIPS for CLASSICS or MATHEMATICS,

of the value of £40 downwards, and open to boys between twelve and fourteen.

**are offered annually for
Competition.**

Next Examination will be in June, 1920.

For Prospectus and other information apply to the HEAD MASTER.

BRADFIELD COLLEGE.

AN Examination for ENTRANCE SCHOLARSHIPS and EXHIBITIONS open to boys under 15 on September 20th, 1920, will be held in May next at Bradfield.

The following will be offered:—

Three Scholarships of 90 guineas.

One Exhibition of 60 guineas.

One Exhibition of 50 guineas.

Three to six Exhibitions of 30 to 20 guineas.

Entry forms can be obtained from the HEAD MASTER, Bradfield College, Berks.

CHELTENHAM LADIES' COL-
LEGE.—An Examination for TWO ENTRANCE SCHOLARSHIPS, one of £40, and one of £30, will be held in May, 1920. Candidates must not be over 15 or under 13 years of age. For further particulars apply to the Principal, Ladies' College, Cheltenham.

BLUNDELL'S SCHOOL, TIVER-
TON.—Six FOUNDATION SCHOLARSHIPS, including two of £60 a year, are competed for annually at the end of May. Candidates must be between 13 and 14 years of age on May 1st. Particulars can be obtained from the HEAD MASTER.

LANCING COLLEGE SCHOL-
ARSHIPS.—Entrance Scholarships will be offered for competition in last week of May or first week in June. Candidates must be over twelve years of age and under fourteen on June 1st.

(a) Six Scholarships (at least), Classical and Modern, varying from £80 to £30 per annum.

(b) Two Choral Exhibitions of £30 per annum open to all boys who can sing and read music.

Full allowance in all cases will be made for age. Candidates will be examined at Lancing, unless further notice is given to the contrary.

For Prospectus and all additional information, apply to the Head Master, Rev. H. T. BOWLEY, Lancing College, Shoreham, Sussex.

SEDBERGH SCHOOL

THE Examination for Ten EN-
TRANCE SCHOLARSHIPS and EXHIBITIONS will be held during May, 1920, in London and Sedburgh simultaneously. Candidates must be under 14 years of age on January 1st, 1920.

For further information apply to—THE BURSAR, Sedburgh School, Yorkshire.

See also pages 714-717, and 719.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 721.

MUSIC MISTRESS requires non-resident Post for January. Girls' or Boys' School in or fairly near London. A.R.C.M. degree, Teachers' Certificate and Medals. Eight years' teaching experience, good disciplinarian, excellent testimonials. Subjects—Pianoforte, Organ, Solo and Class Singing, Ear Training on Modern Methods, Harmony. Apply—MARTIN, 9 Mortimer Road, Ealing.

Posts Wanted—continued.

TO SCHOOLS.—Miss BESSIE FURZE, A.R.C.M., visits schools to teach natural VOICE PRODUCTION, Solo and Class Singing. Diplôme R.A.M. for CHILDREN'S VOICE CULTURE, BATES method. Success in all examinations.—6 Mount Park Crescent, Ealing, W.5.

B.Sc. (London Maths. Hons. Cl. II) seeks MATHEMATICAL work. North Wales Coast, Chester, or Liverpool. Six years' teaching experience. Two years' technical experience in Aeronautics.—Miss I. PEATFIELD, B.A. Dept., R.A.E., Farnborough.

Posts Wanted—continued.

MUSIC MISTRESS, A.R.C.M., Prof. Dip. I.S.M., wants non-resident post in School for January. Pianoforte, Theory, Harmony, Class-singing. Experience in public and private Schools; preparation for all examinations. Good testimonials. Apply to 10 Hillside Gardens, Highgate, London, N.6.

LADY requires SECRETARIAL WORK in a School. Good typing and duplicating, accounts. Many years experience of school life. Non-resident, near London essential.—Miss J., 13 Cosway Street, N.W.1.

SCHOLASTIC APPOINTMENTS

University men and women seeking scholastic appointments should apply to

Truman & Knightley
—SCHOLASTIC AGENTS—LTD—

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions are pleasant, and the holidays long. Salaries range from £60 to £120 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student, Junior Mistresses, and House Governesses or Duty Mistresses at salaries of from £30 to £60 per annum with board and residence.

There is a separate department for
LADY MATRONS and HOUSEKEEPERS
for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

Cambridge University Press

BOOKS BY SIR ARTHUR QUILLER-COUCH

Studies in Literature

Demy 8vo. 10s 6d net

"Where shall we begin our thanks to the author of this stimulating, sensible, and delightful book?"—*The Times*

"The reader is charmed by his critical acumen and width of sympathy, his sparkling wit and apt illustrations, his aphorisms, his lightness of touch, from the opening lecture . . . down to the exquisite closing pictures of the patriot Pasteur."

The Church Family Newspaper

On the Art of Writing

Demy 8vo. 8s 6d net

"The most fitting tribute we can pay to this series of lectures is that their style and method are not only a testimony to the truth of Sir Arthur's precepts, but themselves a living example of them. . . . Here, in the written page, is that 'appropriate, perspicuous, accurate, and persuasive' style which Sir Arthur lays down as the four corner-stones of the art of writing."—*The Nation*

BOOKS ON ENGLISH

English Composition, with Chapters on Précis Writing, Prosody, and Style. By W. MURISON, M.A., Senior English Master, Aberdeen Grammar School. Crown 8vo. 6s net. Or in two parts, 3s 6d net each. Key, 6s 6d net

A Handbook of English for Junior and Intermediate Classes. By D. B. NICOLSON, M.A. Crown 8vo. 2s net

The Pronunciation of English. Phonetics and Phonetic Transcriptions. By DANIEL JONES, M.A. Crown 8vo. 4s net

A Primer of English Literature. By W. T. YOUNG, M.A. School edition. 1s 6d net

A Handbook of Précis Writing with Graduated Exercises. By E. DERRY EVANS, M.A. Crown 8vo. 3s net

The Revised English Grammar. By A. S. WEST, M.A. Extra fcap. 8vo. 3s 6d net

The Revised English Grammar for Beginners. By A. S. WEST. Extra fcap. 8vo. 1s 6d net

Key to the Questions contained in West's Grammars. By A. S. WEST. Extra fcap. 8vo. 5s 6d net. Suitable for use with both the original and revised editions.

A Junior Graphic Grammar. By E. A. A. VARNISH and J. H. HANLY. Crown 8vo. 2s 6d net

English Grammar, Descriptive and Historical. By T. G. TUCKER, Litt.D., and R. S. WALLACE, M.A. Crown 8vo. 3s net

SOME RECENT BOOKS

Problems of Cosmogony and Stellar Dynamics. Being an Essay to which the Adams Prize of the University of Cambridge for the Year 1917 was adjudged. By J. H. JEANS, M.A., F.R.S. Large royal 8vo. With five plates. 21s net

The present essay is primarily an attempt to follow up a line of research initiated by Laplace and Maclaurin, and extended in various directions by Roche, Lord Kelvin, Jacobi, Poincaré, and Sir G. Darwin. The main object is to build a framework of absolute mathematical truth, and the backbone of the structure is the theoretical investigation into the behaviour of rotating masses. The book contains also an account of general dynamical theory, and of the researches of Darwin, Poincaré, and others, in so far as they relate to the main problem in hand.

The Purpose of Education. An Examination of the Education Problem in the Light of Recent Psychological Research. By ST GEORGE LANE FOX PITT. Crown 8vo. 7s 6d net

A new impression of the second edition, bound in cloth. The volume contains a Preface by Professor EMILE BOUTROUX, a Reply to Critics, and an additional chapter, *Perfection as the Ideal and Lessons of the War.*

"With the main thesis advocated we are in hearty agreement, and the presentment we have found stimulating in no ordinary degree. The perusal of the book could hardly fail to be profitable to any thoughtful man or woman."—*The Times*

Seven Spiritual Songs (of Shakespeare's Time). Words and Music by THOMAS CAMPION, M.D., 1567-1620. The words edited by W. H. DRAPER, M.A.; the music arranged by WILLOUGHBY H. WILLIAMS, Organist of Leeds Parish Church.

Suitable for school choirs. A prospectus giving prices and fuller details will be sent on application.

Seventeenth Century Life in the Country Parish with special reference to local government. By ELEANOR TROTTER, M.A. Demy 8vo. With a map. 10s net

The author's object is to show how the ordinary business of government—the maintenance of justice and the preservation of law and order—was carried on during that most troubled period in the life of our race—the Seventeenth Century—and to show the working of the Parish, the powers and duties of its officials, their interaction and relation to the supervisory jurisdiction of the Church and the local Magistracy.

The Study of Ecclesiastical History To-day. An Inaugural Address by J. P. WHITNEY, Dixie Professor of Ecclesiastical History in the University of Cambridge. Crown 8vo. Paper covers. 2s 6d net

Key to Exercises on Rules for Latin Prose. By T. C. WEATHERHEAD, M.A., sometime Head Master of King's College Choir School, Cambridge. Crown 8vo. 7s 6d net

Plautus: Menaechmi. Edited, with introduction and notes, by CLARA M. KNIGHT, D.Lit. Extra fcap. 8vo. 5s net. Pitt Press Series

The Cambridge University Calendar for the Year 1919-20. Crown 8vo. 15s net

A complete educational catalogue will be sent on application

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER

CONTENTS.

	PAGE
OCCASIONAL NOTES	725
FUNDAMENTAL PRINCIPLES OF EDUCATION: THE LITERARY ASPECT. BY F. S. PRESTON	728
PERSONAL PARAGRAPHS	730
TOPICS AND EVENTS	751
PRIMARY SCHOOL NOTES	732
THE TEACHING OF ENGLISH. BY SIR ARTHUR QUILLER-COUCH	737
FOREIGN AND DOMINION NOTES	740
UNIVERSITIES AND SCHOOLS	741
PRIZE COMPETITIONS	748
CORRESPONDENCE	763
School Grammar of Present-Day French; The Religious and Social Training of Club Workers; National Home-reading Union; "Why are not Modern Languages Respected?"	
MINOR NOTICES	764
BOOKS OF THE MONTH	770

OCCASIONAL NOTES.

THE recommendation made by the Adult Education Committee of the Ministry of Reconstruction, that public museums should be placed under the control of, and be administered by, special committees of the Education Authorities, is warmly opposed by those responsible for museum administration. Can teachers approve it? Yes, with amendments. Museums can—many, indeed, already do—afford valuable assistance to teachers by expressly educational exhibits; nor is it unreasonable that the Education Authorities of a district should have some voice and some financial responsibility in determining such exhibits in the public museum. No elaborate organization is needed to ascertain from teachers in every class of school the nature of the most helpful and stimulating exhibits; nor would any Curator do other than welcome some definite machinery by which to keep in touch with those whom every Curator desires to help in every way. But to put the entire museum under direct control of the Education Authorities is short-sighted policy; and we cordially sympathize with the Museums Association and others in resisting this proposal. A museum has been defined as "a depository of natural, scientific, artistic, and literary curiosities." With the last word we are not in love; but, since "curiosity" is "a desire to know," we submit that a collection of objects which kindle this desire in the spectator extends its interests far beyond the range of education *sensu strictiori*. Every museum should afford opportunities to the specialist whose desire is to know something as yet unknown—to enlarge the sum of human knowledge by research. Such work is not for the public eye of to-day; but, if present-day education assumes supreme control over museums,

there is grave risk lest future knowledge be imperilled by the ousting and starvation of pioneer research into the unknown.

THE regulations for entrance to the Royal Air Force Cadet College have now been issued by the Air Ministry. The limits of age are seventeen and a-half to nineteen years, except in the case of those who have served with the Forces, when the upper limit is twenty-one. All applications have to be made to the Civil Service Commissioners. The subjects for the competitive examination are English, history and geography, elementary mathematics, and a modern language. These subjects are compulsory; in addition, three optional subjects may be taken, chosen from the following: a second modern language, Latin, Greek, intermediate mathematics, higher mathematics, science, and elementary engineering. Extra marks are to be granted to those who have gained Certificate A in the O.T.C., or who have served in the Forces. The terms of payment have not yet been determined, but they will be similar to those at Sandhurst and Woolwich. In fact, as will be seen, the regulations are similar to those for admission to the military colleges, except for the addition of elementary engineering as an optional subject, which was one of the subjects for the special entry to the Navy. As at the military colleges, there will be prize cadetships for those who pass high, as well as King's cadetships and honorary King's cadetships. No doubt the examinations will be held at the same time as those for the Army, which have reverted to those awkward months for schools—June and November. After many representations from the public schools, these dates had been altered to July and December, corresponding to the last months of the school term; but the authorities have gone back to the bad old dates.

ALL work which has for its aim the use of the kinema for education is deserving of warm encouragement. Daily the minds and lives of millions of our children are being influenced by moving pictures, and attempts to use this means with truly educative effect are of considerable importance to educational progress. Certain conditions must be obeyed, however, before this effect can be obtained. There was recently a demonstration of educational films at the Lewisham Hippodrome by the Quality Kinema Club. It is a pity that three thousand children were present at this show; for the directors of the club evidently have little idea of the educative process. Their demonstrator made praiseworthy, if frantic, efforts to interest the children; but a continuous display of educational films for so long a time as two and a half hours is not a lesson: it is a punishment. There are evidently few practical teachers in the Quality Kinema Club. Moreover, while the quality of the films was unexceptionable, their educational value is questionable. Films like "The Culture of Silkworms" (Gaumont) and "The Story of a Grain of Wheat" (Ford) can be of excellent educational value if the minds of the children are prepared already. Films like "Glimpses of India" (Kineto), "Life on a Rocky Shore," "The Niagara Falls" are more popular than educational, though they have their value. A film like "How to Preserve Flowers and Plants" is of doubtful value; for any teacher of botany, by making the children preserve the flowers, could do

more good. The film, "The Making of a Cheddar Cheese," was spoilt by sub-titles written in objectionable journalese which would irritate everyone having real regard for the English language.

Club Leaders. THE War has emphasized the need for clubs and recreation huts for both men and women, and the importance of the work a club leader is expected to do is widely recognized. There has been a great increase in the number of clubs, due to the formation of juvenile organization committees, civic recreation councils, and so on, and many more leaders are therefore required. Club leadership is a work which makes great demands upon its workers; a good leader will be a friend and adviser to all who frequent the club; and to be fit for this task it is necessary that he should understand something of the lives that the members lead, and the difficulties they may be called upon to face. This experience can be gained only by close contact and sympathy; but without an understanding of the social conditions of the day even these may often fail. Moreover, work of this nature is always personal. Club members should be able to discuss all the problems of life with their leader, and obtain guidance as to their solution. For the best club work both religious and social training would seem to be necessary. To provide these is the aim of the new "Religious and Social Diploma" offered by the Board for Promoting the Religious and Social Training of Club Workers. Those who obtain this diploma will have taken a course of theological study in the meaning of Christianity, with special application to social problems at the present day; and they will also have gone through a University course of social study, which will include some training on a settlement or other institution of the kind. A register of holders of certificate and diploma of the Board will be kept for the benefit both of those who have posts to offer and of those who are qualifying to fill such posts. Further information can be obtained on application to the secretary and tutor, Miss M. West, 15 Wimpole Street, Cavendish Square, London, W.1. Contributions are urgently needed and can be sent to the Secretary.

Professional Etiquette. WE have received from a correspondent a copy of a Code of Professional Etiquette for Teachers, which has been considered—and, we believe, adopted—by one of the leading teachers' associations. The Code is, we think, very ably conceived and drawn up, and, if we hesitate to print the document in full, it is not because we are in the least at variance with the object in view, but because, in our judgment, many of the provisions are already well recognized and commonly acted upon, and because we think it might be a great gain if the more debatable provisions could be considered by other associations before the Code is scattered broadcast. We strongly agree that it is the spirit and not the letter of any such Code that really matters. For example, it should unquestionably be a breach of professional etiquette not to take part in those voluntary activities (such as school games and societies) upon which a proper *esprit de corps* so much depends. But all teachers are not equally gifted either in an athletic or in a social sense, and they are not all equally young and active! Still, if the professional obligation is clearly recognized, a teacher who is deficient in these respects can generally atone for the deficiency in

other ways, so that the burden is not shifted entirely to the willing shoulders. For the sake of young teachers, and for the purpose of bringing pressure to bear upon obvious offenders, a generally accepted Code would undoubtedly be a gain.

Unity in the Profession. IN a recent issue, *The London Teacher*, whilst upholding the unity of the teaching profession at large, enters a strong plea for the unity of the profession in the London area. London teachers may well insist, for example, that, having regard to the cost of living and the complexity of London social life, the payment of equal salaries to teachers all over the country would result in the London teacher being the worst paid member of the profession. We think, indeed, that, in arguing a good case, our contemporary falls into a confusion as regards a national service and centralized administration of that service. In recent times our educational system has become more and more nationalized, whilst its administration has become more and more decentralized. The Central Authority does well to take the lead in trying to end the present chaos as regards salary scales; but it is the business of the Local Authorities, and of the teachers in the several areas, to prevent an unfair uniformity being imposed from above. The London Education Committee recently reported, not without reason, that the difficulty of making proposals was enhanced by the divided counsels of the teachers themselves. Such division, quite rightly, as it seems to us, our contemporary is anxious to overcome.

The Supply of Teachers. REGARDING the supply of teachers, the recent circular of the Board of Education again directs attention to the outstanding fact that, in several districts containing a large population, the Local Education Authorities draw the main part of their staffs of teachers from outside their areas. The worst offenders appear to be London and the county boroughs, borough and urban districts on the London border, Lancashire and Cheshire, and Birmingham and its neighbourhood. Without allowing for growth of population or improvements in staffing, it is estimated that the number of intending teachers contributed by each area should represent 6 per cent. of the number of teachers employed. In the metropolitan districts during the past three years the average number of intending teachers has been under 2 per cent. The Midlands, taken as a whole, are below the standard, and the lowest figures of all are found in the administrative county of Cheshire, where during the past seven years the number of intending teachers has fluctuated from year to year between 1 per cent. and 2 per cent. We referred last month to the primary cause of the falling off in the supply, but if in some parts of the country (notably in the north of England) "the position is less discouraging," it should not be difficult for similar results to be secured elsewhere. We can look forward with some confidence to the time when the material prospects associated with the occupation of teaching will be sufficiently advantageous to maintain the supply of practitioners without artificial stimulus. If, however, the Board is correct in believing the position to be "very critical," and that "the future to which the Education Act of 1918 looked forward is in grave peril," it might be advisable for the Board, as a temporary measure, to

extend further the arrangements now made for the training of pupil-teachers in country schools.

THE new statutory provisions regarding the employment of children will, it is anticipated, come into operation at the beginning of the New Year. A child means a person under the age of fourteen, and employment means any labour exercised by way of trade, or for gain, either by the child or by any other person. A child under the age of twelve years must not be employed in any capacity. Unless by-laws are made, and approved, to vary the statutory provision, a child of twelve years and upwards must not be employed on any Sunday for more than two hours, or on any day in which he is required to attend school before the close of school hours or after 8 o'clock in the evening. Local Education Authorities will be urged, no doubt, to make a by-law in the interests of newsagents and vendors of milk to enable children to be employed before school hours. The Home Office state, however, that much evidence has accumulated as to the ill effects of the employment of children before school. The children, it is said, often arrive late: are tired, sleepy, and unfit to profit by their education. They get wet in the course of their employment, and are unable to change their clothes; frequently they have insufficient time for breakfast.

IF the system of education in the City and County of Newcastle-upon-Tyne is not all that it ought to be, it is not owing to lack of expert advice and direction. More than twenty years ago Sir Joshua Fitch reported upon the provision of technical education, and later Sir M. E. Sadler prepared an illuminating review on the general question of education other than elementary; the city has also had the advice of three Directors of Education, who have each shed new light on old problems and passed on. Mr. Percival Sharp, who has recently relinquished his appointment in Newcastle-upon-Tyne in favour of Sheffield, has written for the Committee and his successor "A Survey of the Educational System," with constructive recommendations for its improvement. It is a discriminating and useful document, and, as the writer says in his conclusion, outlines a policy which, if carried out, would be of incalculable benefit to hundreds of thousands of lives yet to come. While it is perhaps in accordance with the ideas of enthusiasts for reconstruction to prepare their plans and ask the public to adopt them regardless of the cost, we have no doubt that so efficient an administrator as Mr. Sharp must have formed some estimate of the financial bearing of his proposals, and we think the value of his report would have been increased if he had included it.

ONE of the main defects in the elementary-school system of the city of Newcastle-upon-Tyne, in Mr. Sharp's view, is the size of the classes. Of 917 classes, only 110 are of forty children or less, and his first constructive suggestion is to urge that at an early date no class should consist of more than fifty children; that the provision of school accommodation should continue without interruption until classes are reduced to a maximum of forty-five, and subsequently to a maximum of forty children. This reform would involve an immediate addition of about

5,000 school places, and an ultimate addition of 10,000. Mr. Sharp is not in favour of providing advanced and practical instruction by means of special classes for the tops of elementary schools. He would arrange for every elementary school to be preparatory, and for the normal child to leave about the age of twelve and pass to a secondary school, junior day technical school, or central elementary school. It is not possible, within the limits of a paragraph, to refer in detail to Mr. Sharp's well considered recommendations for improving the educational service of the city. His observations regarding continuation schools are specially worthy of attention, and we entirely agree with his views. His remarks on the training of teachers are also well informed and wise. His plea for the establishment of a University for Newcastle not dependent on, or hampered by, the alliance with an older institution, is a matter upon which we may reserve comments for a future occasion.

THE Education Committee for Kent has adopted an elaborate administrative system with a view to educational reconstruction. The county has been divided into fourteen districts, each with its Education Officer and staff. The scheme for one of the districts, printed in a recent report, provides for the appointment of a Board of thirty-two members, upon which all sorts and conditions of interests are represented. The duties of the Board are comprehensive. It has to provide an effective local administration for the purpose of all forms of education; to co-ordinate the curriculum in elementary, secondary, and continuation schools; to report on the adequacy of school accommodation and teaching staffs; to select children from elementary for central schools and special classes; to supervise generally the working of all schools and institutions; to deal with school attendance; care and after-care; medical inspection and treatment, and direct arrangements under the Choice of Employment Act. It is an experiment which will be watched with interest. On paper the scheme appears to be elaborate and, administratively, costly; and many of the districts, from the viewpoint of education other than elementary, are too small.

CIVIC EDUCATION LEAGUE.—During the current year negotiations have been in progress for an amalgamation of the Schools Personal Service Association and the Civic and Moral Education League. During the five years that the former association was in existence its work in connexion with social education increased beyond the limit of voluntary effort. A gradual drawing together of the two societies, both in regard to object and by cross membership, indicated that a more economical and energetic propaganda could be conducted by joining forces. The negotiations reached a successful conclusion at a meeting of members of the two associations on September 30 last, when a constitution was adopted for the amalgamated society. The new organization will be known as the "Civic Education League: a League for Education in Service and Citizenship." A provisional committee was appointed, and as soon as a permanent secretary has been secured it is hoped to institute an active research and propaganda campaign. During the War nothing has been more noticeable in education than the focussing of attention upon its social aspects. Upon teachers, more perhaps than upon any one else, rests the responsibility of laying the foundations of social betterment and building a united nation, free from the bitterness of class rivalry and industrial unrest. To this end, the new society seeks means to secure a wider and deeper fellowship, an extension of knowledge of social life and institutions, and training for practical community service. Teachers and others interested in education who feel the urgency of this problem are invited to apply for membership to the Secretary, Civic Education League, 11 Tavistock Square, London, W.C.1.

FUNDAMENTAL PRINCIPLES OF EDUCATION: THE LITERARY ASPECT.*

By F. S. PRESTON, Head Master of Malvern College.

A TEACHER by profession is slow to pose to others as a theorist. This is not merely an instinct, nor the well grounded fear of incurring the deeply rooted suspicion of most teachers. Every teacher is aware that the brain of the child is too variable a quantity to be included in any rigid formula without introducing too many other variants; and, partly from professional pride, he declines to believe that he should ever allow himself to be bound mechanically by any formulae in dealing with the individual child. Anyone can dogmatize as to the objects of a general education. In my opinion, the chief object is not to acquire knowledge, as this alone will not produce the healthy mind; neither is it only to acquire character, a much lauded and worthy object in education, but attained in the past sometimes at the expense of the trained mind; still less is it to provide a man with something of value to him in pounds, shillings, and pence—a marketable asset commercially.

The attempt to estimate the value of anyone's education in terms of examination successes is equally fallacious. There must needs be professions where the qualifications of the individual can only be estimated in this way, e.g. the law and medicine; it is noteworthy that in both these instances the examination tests are spread over a period of five to seven years, and demand a prolonged and careful specialization, and the tests themselves are qualifying and non-competitive in character. If you wish to kill learning for learning's sake you have only to develop further the complicated and irrational system of examinations demanded of the English student; and this would still be true if all examiners were ideal and broadminded and every syllabus were conceived in the same spirit. In my own experience there are few examination tests demanded of the student in this country who is of average or rather less than average ability that do not call for considerable practice in what is euphemistically described as "the style of paper."

Naturally I speak of tests in literary and kindred subjects: of scientific tests I speak only from rumour in one or two cases. The result is often the substitution of the "dry bones of knowledge" for the broader spirit of the subject, and the cramping of the student's own powers of self-expression in the interests of an artificial, if more orthodox, examination style. What, then, should be the first object of a wide and general education? Is it not to produce the trained mind essential to a full member of a civilized community? Such a member will be able both to give to and to receive from the other members of that community, and this power of reception, too often ignored, is essential to full development: without it, man remains narrow and selfish, a far less influential citizen.

In saying this I am not proposing to enter upon a wild attack on the narrowness of scientific studies. I am no linguistic fanatic, nor am I desirous of "subordinating progress and the future to the realms of ghosts and nursery tales." The claims of scientific studies are duly recognized by all theorists on education, and, more recently, have been warmly advocated by the "man in the street." The cause of linguistic studies needs no defence except against the fanatic. The independence of the two is now confidently asserted, and it only remains to adjust the concessions each should make to the other.

The present situation is critical, and any further delay, except such as is required for experiment, in adjusting the respective claims of literary and scientific studies would be dangerous. Five reasons may be adduced for this—viz., (1) the importance of the growth of the cosmopolitan ideas of brotherhood, (2) the general ignorance of economics intensified often by a com-

plete ignorance of the lessons of history, (3) the demands of the new Education Acts for extending the educational facilities of the majority of the population in these islands, (4) the increase in the leisure time now available to that section of society which has been provided with less education in the past, (5) the degenerate standard of modern British taste—these must be admitted by all save the blind optimist, as shown in current literature and the theatre.

In the first of these it might be claimed that by no form of study so much as in scientific research can mankind be more readily induced to ignore the barriers of nationality or language. But any real spirit of mutual goodwill between our own and other nations must largely depend on our knowledge of the literature and history of other countries. Both these are again dependent on our knowledge of the language of other countries. I cannot believe that any man of science would support the suggestion that the student should have recourse to any but first-hand authorities. This may be an ideal, but it is an ideal that should be less uncommon in the future, and particularly important in the study of history. I do not plead for the so-called scientific method of history study: minute accuracy of fact in a historical author has less weight with me than breadth of imagination; and, to appreciate such an author, a translation of his works is not the best medium.

It is on history and its lessons that I would lay a special stress. I have seen it suggested that we are handicapped in competition with the United States of America by our undue subservience to our historical past: they look forward, we look back. This regard for our historical position has given Great Britain ballast in the past, and, if the future is to those who ignore all tradition or have little tradition to ignore, then we are handicapped. I dispute the premise. If one looks out on the world to-day, I think tradition may be our salvation, and ignorance of the lessons of history our undoing.

There is a large and growing demand for higher education in this country: the State has intervened and would seek to supply that demand, and in addition the majority of the adult population have secured for themselves hours of leisure denied to them before in their industrial life: soon practically no industrial worker in this country will be claimed by his daily work after five o'clock in the afternoon, in any day of the week, and never between noon on Saturday and Monday morning. This thought causes one to turn to the forms of recreation of mind that are offered in this country: little comfort can there be found. From causes as widely apart as the reaction from the strain of war and the poverty of intellectual outlook fostered by our past elementary education, one finds a pabulum that betrays a wholly degenerate standard of taste and appreciation. A nation has the art and literature it deserves: can the present degenerate standard be raised by any means other than fostering a higher literary appreciation in all sections of the community by gradual, if slow, processes? Is there any other substitute? "The mind grows by that on which it feeds." No man will resent what is vulgar or ugly in art unless he has formed for himself his standard of the beautiful and the true. Science can unfold both the beauty and the truth in nature, but this I would suggest would be a slow and almost impracticable method of elevating public taste, if unsupported by the study of the finest works of art and literature.

I am not digressing far from my theme if I touch lightly at this point on the study of what has been called in the narrower sense "the humanities." I do not wish to cover ground trampled over year after year by hordes of persecutors threatening vengeance and slaughter against the trembling champion of the classics. Be it said at once that I admit the limited and emasculated study of Greek, only surviving by "compulsion" in one University matriculation, to be a futile survival; let me admit that the higher study of the Greek language would appear to be "caviare to the general"—I will not borrow my image from the Gospel phraseology. That is not to admit that the past has not in this case a "pearl of great price" to offer, which it would be futile for us, with our ideals and our love of freedom, beauty, and truth, to neglect.

* From a paper read before the Educational Science Section of the British Association at Bournemouth on September 12.

I have preached in my humble way against "compulsory Greek" as strenuously as anyone; I shall go on as humbly and as strenuously to preach against "compulsory science" in any similar examinations.

The only thing that overcame my diffidence in accepting the invitation to give this address was a desire to push the claims for consideration of that most uncertain of quantities, "the average boy." This phrase in the mouth of the educationist means something very different from what it means in that of a schoolmaster. The Head Master of Winchester or of Rugby sees "the average boy" only rarely, and by some mistake. He is a very humble individual intellectually, almost drab; he has definite instincts, strong prejudices, slight ambitions, a few interests, and little reasoning power. At once we fasten on his main hope of intellectual salvation, and try to define what I have called "a few interests." I sometimes think that it is this outward show of "interests" that has deluded those who advocate a system of education in which scientific and manual training are given a preponderating part to play. They are apt to mistake such a phenomenon as a somewhat primitive mechanical interest for a sincere scientific enthusiasm. I once asked the ten idlest boys under my charge what they intended to be in life: two wished to be aviators, the other eight to be engineers. The motive was the same in all cases: a desire to seek excitement and avoid monotony, combined with the infant's curiosity "to see the wheels go round." It would be as true to ascribe to such boys a real scientific spirit as to claim for the young poacher an undiluted enthusiasm for ornithology. There is a substratum of genuine interest in Nature's laws in both cases: it will carry us some distance, but not very far. Further, in the young student, so long as elementary science is a relief from literary study, the chance is valued and more eagerly taken; if too much stress is laid on the subject, and the nightmare of "compulsory science" is over every hour of elementary study, then the reaction may come. The enthusiasm is noticeable now in a good percentage of our pupils; it will not be increased by any arbitrary pressure, and we have yet to see the effect of the wider science-class teaching that must of necessity be now introduced into our schools. This, to an extent which perhaps only the teacher can appreciate, may be fatal to the growth of many a young enthusiasm. The young student finds the heuristic method of scientific instruction attractive; this does not mean that he is a born collaborator of a Faraday, a Kelvin, or a Ramsay.

Thus far I have pleaded for an education that would produce a trained mind, postulating that the present crisis demands a prompt solution on the lines of a compromise between scientific and literary studies, and, by inference, questioning the capacity of the child to profit by a form of education that was preponderantly scientific. To my mind, modern secondary education exhibits a reasonable division of the curriculum between scientific and other studies. Where this is not the case, it is more often due to an unavoidable delay in the process of transition from the older to the new than to any ill will towards scientific studies.

If science is to be accepted at an early stage as an integral part of a general education, it must also be conceded that scientific teaching is wasted on those who, after a reasonable period, fail to show any aptitude for such studies. It is idle to pretend that science makes the same appeal to all, and it is often not recognized that the laboratory may be to some as tedious as is the literary class to another. I would appeal therefore for the wide outlook in the teacher and once more in the examiner. An elementary course in general science should be capable of assimilation with reasonable industry by the average boy in such a proportion of school working hours as will not rob him of adequate instruction in at least five other subjects. Of 750 students who took the physics and chemistry combined paper in the last School Certificate Examination of the Joint Board, 450 failed to pass with credit, the only kind of "pass" of examination value. I select this paper rather than the other science papers, as it is presumably meant for "literary" candidates who do not intend to pursue science further, and whose scientific education should be as wide and humanized as possible. It is fair

to assume that most of these candidates have given four hours a week for three years to their preparation, apart from any grounding in Nature study and practical measurements. The task is beyond them apparently. It is not encouraging to those who, in face of some opposition, would adapt their curriculum so as to include a general elementary science course for all.

It may be suggested that the time allowed for science is inadequate, and, as the subject is all important, other subjects must be sacrificed. I would maintain that this is impossible if the young are to be adequately grounded in mathematics, English language and literature, modern history, scientific geography, French and one other language. These subjects are all required and are indispensable. Is not the solution that in science the teacher should be expected only to lead the young pupil gently to a point where he may begin to realize that there is a glorious wonderland beyond instead of leaving him under the impression that science is the region of formulae and test tubes? Then, if the student shows any appreciation combined with aptitude, he will take readily to advanced studies and in time to research. If, like myself, he fails in his youth to see the "vision splendid," let him be consigned to the tender mercies of the literary fanatic or the linguist. He will have acquired a "smattering" of elementary science, all he can assimilate with profit. This presupposes that in any case the grounding in linguistic studies has been as careful as in scientific, and in no case interrupted.

The teaching of languages has in recent years been raised in standard enormously; but the methods demand that there shall be at no point any serious gap in the language course. The same holds true of history, whether English or European, and still more of the study of English language and literature. Criticism has been levelled freely at the inadequate teaching of the mother-tongue, and I have heard one of our most distinguished men of science himself declare that the first thing he demanded of a student was the ability to express himself easily and grammatically in his own language, but he was generally disappointed.

There is one kind of criticism levelled at the modern school curriculum with its compromise between the claims of mathematics and science on the one hand, and of languages and literature on the other, which has been much heard of late. There are those who plead for the more specialized school training which we may fairly describe as "vocational," and unfairly as "useful." From the civic point of view I should call it "the useless or bread-and-butter training." It makes a special appeal to the manufacturer, whose views are not disinterested. If one estimates the duration of a man's life and the length of his educational career, how much of the latter should he be reasonably allowed to give to his future vocational needs? If my life is to be spent amongst machinery all my working days, I imagine that, given a general education of a reasonable character (which we must remember will no longer cease at fourteen in the elementary school), I shall soon require an understanding of that machinery with which I am called upon to occupy myself. How I shall fill my leisure hours, it is not easy to answer, but it is a question that seriously affects my fellow-citizens. There is a minority in the world whose daily occupation engrosses all their thoughts even in hours of leisure: the rest of mankind put it aside when their working hours are over.

It is of as much importance to the community how a man spends his leisure as how he does his work. Education does not affect the latter as much as it does the former. A man's culture is best studied at his own fireside. If we allow the imagination of the young to be starved or to become one-sided by too material or too specialized an education, we shall breed that spirit of discontent which thrives wherever success is the only god and money the only standard. Imagination must be developed and the reasoning power must be developed: without these, skill of hand or knowledge of facts is useless, and neither imagination nor reason is complete alone. It might be urged that a scientific training provides both: we need not argue the point, but it may be assumed that such a scientific training as is thereby implied

can never be practicable at first hand for the whole or even a fraction of our population. There is an alternative. The highest education is association with great minds: and through art and literature the mind of man can come in contact with all that is best in the world's thought. Let me give one brief illustration. To appreciate thoroughly the biography of any of the scientific giants of the past would require a man to have a literary and historical appreciation as well as some elementary scientific knowledge.

Claims of scientific and literary studies must be reconciled. A wise compromise is essential and desirable. To the school-master there is something of as high a value as the development of imagination and reason—viz. the development of the moral faculties. This is a civic need, and no educational system without it is complete. It also corresponds to a natural craving in man to comprehend "all mysteries" as well as "all knowledge." If education were in any degree limited to the pursuit of the finite or demonstrable truths, it would not satisfy man's spiritual needs; it would be a modern secular education of the most barren kind, such an education as under our auspices has produced in Egypt men who (in the words of a recent writer) "are full of belief in their own intellectual powers, make no distinction between capacity for intellectual understanding and the ability to use their knowledge, and are not conscious of any defects of character."

For what, then, do I plead? A general educational course in English, French, applied mathematics, elementary science (including Nature-study and geography), history, and, for all who can profit by it, Latin, for its linguistic importance; progress to be noted by other means than competitive or external examinations; the teacher to be more carefully tested than the taught; the ideal to be the discovery of special aptitude, so that the student may become later the best educated and most valuable of citizens, a master of his own subject and an "interested smatterer" in other subjects; and, lastly, for our educational system to be regulated with an eye first to the younger student and the average child, in such a regulation the practical teacher to be an active consultant. The needs of the advanced student are in comparison a very simple problem.

PERSONAL PARAGRAPHS.

IN the election of Mr. Balfour as Chancellor of Cambridge University, in succession to his brother-in-law, the late Lord Rayleigh, the University pays a distinguished tribute to the executive ability, the intellectual attainments, and the long record of public work possessed by one who is, to quote Mr. Asquith, "by universal consent the most distinguished member of the greatest deliberative assembly in the world." Mr. Balfour was Lord Rector of St. Andrews in 1886, of Glasgow in 1890, and he has been Chancellor of Edinburgh University since 1891.

It is reported that Sir Bertram Windle contemplates resigning from the presidency of University College, Cork, in order to devote himself to literary work. Sir Bertram is one of Ireland's most eminent scholars, and he has taken an important part in all matters concerning the education of the country. In particular he is a zealous advocate for the Cork University Schemes, maintaining that the present federated University constitution is difficult in administration and not productive of results commensurate with the energy of effort involved. He is a Fellow of the Royal Society, a Fellow of the Society of Antiquaries, a member of the Royal Irish Academy, and he was one of the Government nominees on the 1917 Irish Convention. As Dr. Windle, he was Dean of the Medical Faculty at Birmingham, and he is well known as the author of "The Wessex of Thomas Hardy" and other works.

FORTY-TWO years as the head master of one school is a record of which to be proud. It belongs to Mr. Frederick Andrews, who has held this position at Ackworth School, Yorkshire, since 1877. The school, for boys and girls of the Society of Friends, was founded in 1779, by Dr. Fothergill, a famous Quaker physician. Amongst the names on the long roll of Mr. Andrews's past pupils are found Mr. E. V. Lucas, "John o' London" (Mr. Wilfred Whitten), and many others well known to the Society. Throughout his long career Mr. Andrews has been one of the keenest workers for the cause of education in the Society of Friends. His activities, however, have not been confined to educational spheres. He has been a great cricketer in his time, chairman of the local Liberal Association, a J.P., and clerk to the Meeting for Sufferings and the Friends' Executive Committee. Mr. Andrews is to be succeeded next year by Mr. G. K. Hibbert, who has been Principal of the Swarthmore non-residential Working Men's Settlement, Leeds, since its foundation in 1909. Educationists will have the opportunity of watching an interesting experiment, the adaptation of some of the methods which have proved successful in adult education to the requirements of school pupils.

MR. J. R. TAYLOR has been appointed to the newly created post of director of humanistic studies in the Huddersfield Technical College. Mr. Taylor is a graduate of the University of Edinburgh, and for several years has occupied the position of lecturer to University Tutorial classes under the University of Leeds.

THE new Vice-Chancellor of Cambridge, Dr. Peter Giles, the Master of Emmanuel, has had a long experience in University work and administration. For twenty years he was a lecturer and college officer at Emmanuel, before he was elected Master in 1911, and for twenty-eight years he has been University Reader in Comparative Philology. A member of the Council of the Senate for several years, he acted as Deputy Vice-Chancellor, with the President of Queens', during last year. His popularity was evidenced by his reception at the installation proceedings on October 1 last.

THE excellent address given by the outgoing Vice-Chancellor, Dr. Shipley, Master of Christ's College, affords a clear insight into the financial and administrative difficulties of the University. Though recording gifts amounting to considerably over a quarter of a million of money earmarked for specific objects, it yet points out the necessity for the increase in fees, for the provision of a pension fund, and for the application for State aid. Fitting reference is made to the valuable help given by Cambridge in the defence of the country, and to the grievous losses amongst "Members of the Electoral Roll." A strong appeal is also made to the younger members of the University to come forward and take an active part in its administration. Dr. Shipley's address, following that of Dr. Napier Shaw's, at the British Association Meeting, on "Educational Ideals and the Older Universities," raises hopes that simplification in administration will not be overlooked during the present reconstruction period.

DR. J. H. E. CREES is retiring from the head-mastership of the Crypt Grammar School, Gloucester, at the end of the present term. During his nine years of office the school has gained recognition as a public school, it has almost doubled in numbers, and nineteen scholarships have been gained at Oxford and Cambridge.

CAPTAIN H. POCHIN, M.C., principal of the Sutton Coldfield Grammar School since 1912, has been appointed head master of Dartford Grammar School. Captain Pochin was educated at the Liverpool Institute, Newton Abbot Grammar School, and Selwyn College, Cambridge, and obtained a second class in the Natural Science Tripos 1905. He has had considerable teaching experience at Berkhamsted and Wolverhampton, and has been on military service throughout the

War. He rose to the rank of acting major, and for some months commanded a battalion in the field. He was awarded the Military Cross in 1917.

* * *

THE Governors of King Edward VII Grammar School, King's Lynn, have appointed Mr. C. J. L. Wagstaff as head master in succession to the Rev. W. Boyce, who is retiring after thirty years' service. Mr. Wagstaff is an old pupil of Macclesfield Grammar School and a Scholar of Emmanuel College, Cambridge. He was 16th Wrangler in 1897, and obtained a First Class Nat. Sci. 1898. Formerly occupying assistant masterships at Bradford and Oundle, he has been head master at Haberdashers' Aske's Hampstead School since 1912. He is the author of well known textbooks of science for schools.

* * *

AMONG the many changes on the staff at Rugby, we note the appointment of Major E. R. Thomas as head of the science department, in succession to Mr. H. P. Highton, and the resignation of Major H. H. Hardy, following his acceptance of the head-mastership of Cheltenham College. Dr. O. H. Prior, who has been in charge of the physical training at the school for the last five years, is also leaving to take up a French Professorship at Cambridge; his successor is to be Commander Street, from the Royal Naval Barracks, Portsmouth.

* * *

THE REV. DR. H. LANSDSELL, whose death is reported, was the son of Mr. H. Lansdell, formerly head master of Uckfield Grammar School. He was one of the most famous of modern missionaries, and a renowned traveller. From 1892 to 1912 Dr. Lansdell was Chaplain of Morden College, Blackheath.

* * *

THE death is announced of Mr. A. O. Maberley, leader of the Chancery Bar at Manchester and Chairman of the Governors of Manchester Grammar School. Before joining the Bar, Mr. Maberley was an assistant master at Manchester and Rossall.

ONLOOKER.

TOPICS AND EVENTS.

PARENTS' NATIONAL EDUCATIONAL UNION.—The programme arranged by the London Branch of the Union for the present term includes the following lectures:—On November 19, at 3.15 p.m. at 8, Kensington Palace Gardens, W. 2, "The New Spirit in Education," by Mr. J. M. Mactavish, of the Workers' Educational Association; and on December 9, at 8.30 p.m. at 50 Porchester Terrace, Hyde Park, London, W. 2, "The Use and Abuse of Psychoanalysis in Education," by Dr. William Brown.

THE CHILD-STUDY SOCIETY.—Meetings of this Society will be held at the Royal Sanitary Institute, 90 Buckingham Palace Road, London, S.W. 1, at 6 p.m., on November 6, when Mr. O. A. Minns will speak on "How to make 'English' live in the Child-mind"; on November 20, when Dr. D. Forsyth will lecture on "The Pre-School Child"; and on December 4, when the Rev. Dr. W. F. Cobb will give an address on "Religion in Education."

CONFERENCE OF EDUCATIONAL ASSOCIATIONS.—University College, Gower Street, London, has again been secured by the Conference Committee as the place for the meeting of Educational Associations. The Conference will open on December 31, 1919, and continue until January 10, 1920. Mr. Fisher, President of the Board of Education, has promised to deliver the inaugural address on the afternoon of December 31.

ANGLO-BELGIAN UNION.—To further the knowledge of Belgian life in Great Britain and of British life in Belgium, the Anglo-Belgian Union has enlisted the support of several distinguished Englishmen and Belgians who are prepared to lecture in English or French before the members of institutions or educational bodies which the scheme may interest. The lectures cover a wide range of subjects from early history to present conditions, including literature and art. Over seventy lectures were given last year. For further particulars apply: Educational Sub-Committee, Anglo-Belgian Union, 35 Albemarle Street, London, W. 1.

HIGHER EDUCATION FOR ALL.—The President of the Board of Education has appointed a Departmental Committee to inquire into the working of the existing arrangements (a) for the award by Local Education Authorities of scholarships tenable at secondary schools or institutions of higher education other than Universities or institutions for the training of teachers; (b) for the provision of free places in secondary schools under the Regulations of the Board of Education. The members of the Committee are: Lieut.-Commander E. Hilton Young (Chairman), Mr. E. K. Chambers, C.B., Mr. R. F. Cholmeley, Sir Mark Collet, Miss E. R. Conway, Miss P. Fawcett, Mr. F. W. Goldstone, Mr. H. J. Hallam, Mr. R. T. Jones, Mr. J. Murray, Major W. G. A. Ormsby-Gore, Mr. C. J. Phillips, Mr. T. J. Rees, Mr. R. Richardson, Miss B. M. Sparks, with Mr. H. E. Mann as Secretary.

EUGENICS EDUCATION SOCIETY.—The Permanent International Eugenics Committee was to have met at Brussels, on August 5, 1914, to consider the arrangements for an International Congress of Eugenics in the United States. Needless to say, the meetings did not take place. The same subject was discussed at a recent meeting of the International Committee held at the rooms of the Royal Society, when arrangements were discussed for a Eugenic Congress to be held next year in New York. Seven years have elapsed since the holding of the first International Eugenic Congress in London, and during this interval the war has brought the importance of eugenic problems in a forceful manner on the attention of the public. The need is still for more knowledge and for a wider appreciation of the facts already known. The Congress will be practical in its aims, and will help to establish a well-considered eugenic policy based on solid foundations. The address of the Eugenic Society in England is 11 Lincoln's Inn Fields, W.C. 2.

OXFORD SUMMER SCHOOL, 1919.—The Oxford Summer School of Education provides for the treatment of the teaching of all the usual school subjects in a course of one month. In this respect it is unique, and would appear to be one of the few complete refresher courses at present conducted on the right lines. The specialist is catered for by an arrangement whereby two related subjects are treated in each week, and their place in the general educational scheme allotted. The teaching of the school subjects is dealt with by specialists whose views are harmonious. A more stimulating refresher course in general theory than is provided by Dr. Keatinge's lectures it would be impossible to imagine. The selection of lecturers this year was a happy one, and included Profs. Ripman and Nunn, of London, Mr. W. L. Bunting (geography), Mr. F. S. Marvin (history), Miss Burstall, Miss I. M. Drummond (biological science), Dr. Rouse and Mr. Caldwell Cook (of the Perse School), Mr. Kirkman and Mr. E. A. Peers (modern languages), Miss Barron (phonetics), Mr. Clarke (mathematics), Mr. P. Simpson (English), Dr. Westlake, Miss Frodsham (Continuation Schools), and Miss Rendel, of the Caldecott Community. Attendance for the full month constituted a residential qualification for the Oxford Diploma in Education.

AID FOR APPRENTICES.—The Training Department of the Ministry of Labour has issued a new regulation in connexion with the scheme under which State assistance is given to apprentices who have served in the war on returning to complete their apprenticeships. In the case of approved schemes, where an apprentice had resumed his training on or before September 1, an application to come under the scheme must have been made before November 1; otherwise retrospective payment of the amount of State assistance cannot be claimed for a longer period than two months. Where an apprentice resumed his training after September 1, an application must have been made within two months of his resuming his training; otherwise retrospective payment of the amount of State assistance cannot be claimed for a longer period than two months. In the case of schemes approved after September 1, where an apprentice has resumed his training on or before the date of issue of the scheme, an application to come under the scheme must be made within two months of such date of issue; otherwise retrospective payment of the amount of State assistance cannot be claimed for a longer period than two months. Where an apprentice has resumed his training after the date of issue of the scheme, an application to come under the scheme must be made within two months of his resuming training. Schemes have now been issued in thirty-three trades, and particulars can be obtained at any Employment Exchange.

THE SALARIES OF ELEMENTARY SCHOOL TEACHERS.—A special convention of members of the National Union of Teachers

was held at Birmingham on October 11, and was attended by representatives from all parts of the country. Mr. S. Taylor, of Walsall, the Chairman, said the meeting represented a spontaneous outburst of alarm, protest, appeal, and warning. The first findings of the Joint Standing Committee formed to deal with the problem of salaries had caused deep depression. He appealed to the Prime Minister and to Mr. Fisher to lay before Parliament a fair comparison between the teachers and the Second Division clerks of the Civil Service with regard to the length and expense of training, the physical and mental strain involved, and the onerous character of their responsibilities. He believed that Parliament would have sufficient sense of justice to remove once and for all the invidious distinction entailed by such a comparison. The Government had, he said, recognized by the recent award to railwaymen that 100 per cent. was the least addition that could be given on pre-war salaries and wages, but teachers had had to submit to increases of from 10 to 50 per cent. If the Joint Standing Committee offered a minimum of less than £200, the whole profession would, he felt sure, be up in arms. A resolution was passed calling upon the Executive to insist on the report of the Joint Standing Committee on a provisional minimum scale and carry-over being submitted to a specially convened conference for consideration and decision within one month of the drawing up of the report.

UNION OF LANCASHIRE AND CHESHIRE INSTITUTES.—The report of the Council for the year 1919, which is now available, shows that the number of Institutes in the Union at the present time is 193, as compared with 187 in 1918. The classes organized by the several institutes were attended by some 117,219 evening and 8,924 day students. The number of individual evening students in 1914 was 144,554, and this number decreased during the war to 107,392 in 1917. During the year the several advisory committees have carefully considered the curricula and syllabuses of the various subjects, and modifications have been introduced designed to meet new needs of the students. The audited statement of income and expenditure in respect of the general work of the Union shows that the total income was £5,491, with expenditure amounting to £5,192. The outstanding feature of the year's work is the bringing into full operation of the agreement with the Board of Education to secure a thoroughly efficient scheme of examinations. Every interested group of educationists can now exert

an influence in framing the curriculum, in setting the questions, and in estimating the results.

MATHEMATICS IN AMERICA.—The General Education Board, founded by Mr. J. D. Rockefeller "to promote education within the United States, without distinction of race, sex, or creed," have made a grant of 16,000 dollars to the National Committee on Mathematical Requirements appointed by the National Mathematical Association of America for the purpose of undertaking a study looking to improvements in the mathematical curriculum of the secondary schools of the country. Mathematicians, as well as educators in general, have in recent years criticized the prevailing high-school work in mathematics on the ground that much of the material is of little practical value, and on the further ground that the high-school curriculum in mathematics takes too little account of modern developments in this science. The American Mathematical Association is made up of the leading professors and teachers of mathematics in American colleges and Universities. It has appointed, to conduct the inquiry, a committee composed of four University professors of mathematics and four secondary-school teachers of mathematics. Having no funds, this body applied to the General Education Board for assistance. The Board will not take any part in the study, or make recommendations.

PRIMARY SCHOOL NOTES.

The Standing Joint Committee on Salaries.

THERE is a growing conviction among teachers that the National Joint Committee on Teachers' Salaries, in merely considering the formulation of a national minimum scale, are not likely to arrive at any satisfactory immediate solution of the existing difficulty. The Departmental Committee on Teachers' Salaries largely failed because they did little or nothing beyond laying down certain principles which ought to govern the application of scales of salaries generally. The present Committee seek to enunciate a scheme embodying these general principles in the form of a scale which shall have national application. Should this scale be at least equivalent to

(Continued on page 734.)

Train the "Tutorial" way— and have your studies directed by the best professional and teaching talent in Britain.

The Tutorial College is recognized by educationists, and also by University, Professional, and Commercial Authorities to be the best staffed, best organized, and best directed institution of its kind. The staff is a Board of Specialists, always available for expert advice. Into their service is put their whole energy and outstanding ability—that you may succeed.

If you mean to carry everything before you at any of the following Examinations, seize this opportunity to-day.

Army and Navy Exams.
Oxford and Cambridge Locals.
College of Preceptors.
B.A. (Matriculation, Inter. & Final).

B.Sc. (Inter. & Final).
Civil Service.
Honours Degrees.
L.L.A. (St. Andrews).

&c., &c.

The Tutorial College advises as to the best methods of preparing for entrance examinations to the professions, and furnishes up-to-date particulars regarding Scholarships, Exhibitions, Fellowships, Studentships, and Bursaries.

**Don't merely think of success—achieve it, the "Tutorial" way.
No more valuable training is to be had.**

Write now, naming the Examination.

The Tutorial College,
30L ELMBANK CRESCENT, CHARING CROSS, GLASGOW.

FROM MESSRS. METHUEN'S EDUCATIONAL LIST

JUST PUBLISHED

DAYS OF HISTORY.

By C. V. CALVERT, B.A., and B. L. K. HENDERSON, D.Litt., Haberdashers' School, Hampstead, N.W. With 12 Illustrations by DORIS WILLIAMSON. 3s.

A series of 39 short sketches dealing imaginatively with different periods of our national life, designed to offer a fairly continuous view of English history.

THE GREEK ORATORS.

By JOHN F. DOBSON, M.A., Professor of Greek in the University of Bristol. 7s. 6d. net.

Designed specially for University students and members of Sixth Forms, but of interest to all lovers of Greek history and literature.

ENGLISH

A First Course in English. By W. S. BEARD. 2s. 3d.

A Junior English Grammar. By Canon W. WILLIAMSON, B.A. With a chapter on Essay Writing. 6th Edition. 3s.

English Composition. By F. J. RAHTZ, M.A., B.Sc., Merchant Venturers' Technical College, Bristol. 2nd Edition. 2s. 3d.

English Literature for Schools. By EDITH E. FIRTH, Croydon High School. With 4 Maps. 2nd Edition. 3s. 6d.

A Short Story of English Literature. By EMMA S. MELLOWS. 4s.

The Story of Milton's "Paradise Lost." Arranged by GEORGE CARTER, M.A., Head Master, New College School, Oxford. 2s. 3d.

Ballads of the Brave. Poems of Chivalry, Enterprise, Courage and Constancy. Compiled and arranged by Canon F. LANGBRIDGE, D.Litt., Limerick. 5th Edition, with Additional Notes. 5s. net.

The Arden Shakespeare. A scholarly Edition in Single Plays, with full Introduction, Textual Notes, and Commentary at the foot of the page. General Editor: R. H. CASE, B.A., University of Liverpool. 36 Volumes. Each 6s. net.

FRENCH AND GERMAN

Intuitive French. A Year's Course for Beginners. By M. VERDON, Rotherham Grammar School. 2nd Edition. 3s. 6d.

A Junior French Grammar. By L. A. SORNET and M. J. ACATOS, B. ès L., B. ès Sc., King Edward's High School, Birmingham. With Exercises, Examination Papers, Conversation Passages, and Vocabularies. 4th Edition. 3s.

Nouvelle Grammaire Française, à l'usage des Ecoles Anglaises. By J. G. ANDERSON, B.A., Examiner to London University. 3s.

Exercices de Grammaire Française. A companion to the above. 2s. 3d.

Easy French Passages for Unseen Translation. By A. M. M. STEDMAN, M.A. 7th Edition. 2s.

Easy French Exercises in Elementary Syntax. By A. M. M. STEDMAN, M.A. With Vocabulary. 4th Edition, revised. 2s. 6d. Key, 5s. net.

French Prose Composition. By R. R. N. BARON, M.A., Cheltenham Grammar School. 6th Edition. 3s. 6d. Key, 3s. 6d. net.

A Manual of French Commercial Correspondence. By S. E. BALLY, Manchester Grammar School. With Vocabulary. 5th Edition. 3s.

Junior French Examination Papers. By F. JACOB, M.A., Felsted School. 4th Edition. 1s. 6d.

Junior German Grammar. By H. C. A. SECKLER, Owen's School, Islington, London, N. 4s.

German Vocabularies for Repetition. By SOPHIE WRIGHT. 2nd Edition. 2s.

Simplified German Texts. General Editor: T. R. N. CROFTS, M.A., Head Master, Royal Masonic School, Bushey, Herts. With Vocabulary. Each 1s. 6d.

Der Müller am Rhein. Adapted from C. Bretano.

Die Geschichte von Peter Schlemihl. Adapted from A. von Chamisso.

Undine und Huldbrand. Adapted from de la Motte Fouqué.

Die Nothelfer. Adapted from W. H. Riehl.

German Passages for Unseen Translation. By E. McQUEEN GRAY. 3s. 6d.

A German Commercial Reader. By S. E. BALLY. With Vocabulary. 3s.

Junior German Examination Papers. By A. VOEGELIN, M.A., St. Paul's School. 1s. 6d.

LATIN AND GREEK

A School Latin Grammar. By H. G. FORD, M.A., Trinity Grammar School, Melbourne. 4th Edition. Revised. 4s.

An Elementary Latin Exercise Book. By H. G. FORD, M.A., and L. V. CAUDWELL, M.A., Bristol Grammar School. 2nd Edition. 3s. 6d.

A First Latin Reader. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A., St. Paul's School, London. With Vocabulary. 8th Edition. 2s.

Exempla Latina. First Exercises in Latin Accidence. By A. M. M. STEDMAN, M.A. With Vocabulary. 5th Edition. 1s. 6d.

A Junior Latin Prose. By the Rev. H. N. ASMAN, M.A., B.D., Owen's School, Islington. 3s. 6d.

A Vocabulary of Latin Idioms and Phrases. By A. M. M. STEDMAN, M.A. 7th Edition. 1s. 6d.

Latin Hexameter Verse. An Aid to Composition. By S. E. WINHOLT, M.A., Christ's Hospital, West Horsham. 5s. Key, 6s. net.

A Shorter Greek Primer. By A. M. M. STEDMAN, M.A. Revised by C. G. BOTTING, M.A. 7th Edition. 2s.

Greek Vocabularies for Repetition. By the same. 5th Edition. 2s.

Easy Greek Exercises. By C. G. BOTTING, M.A. 2nd Edition. 3s. 6d.

Greek Testament Selections. By A. M. M. STEDMAN, M.A. With Introduction, Notes, and Vocabulary. 4th Edition. 3s. 6d.

MATHEMATICS

Easy Test Papers in Arithmetic and Algebra. By W. S. BEARD. 1s. 6d. Answers, 1s. 6d.

Junior Algebra Examination Papers. By S. W. FINN, M.A., Head Master of Sandbach School. 2nd Edition. With or without Answers. 1s. 6d.

A Short Commercial Arithmetic. By F. G. TAYLOR, M.A. 5th Edition. 2s. 3d.

Technical Arithmetic and Geometry. By C. T. MILLIS, M.I.M.E., Principal, Borough Polytechnic, S.E. 2nd Edition, revised. 5s.

A Junior Geometry. By NOEL S. LYDON, Owen's School, Islington. 8th Edition. 3s.

A New Trigonometry for Beginners. By R. F. D'ARCY, M.A., Lecturer at Gonville and Caius College, Cambridge. 3s. 6d.

SCIENCE

Some Secrets of Nature. An Introduction to Nature Study. By W. J. P. BURTON. With Coloured Plates and Photographs. 2nd Edition. 2s. 3d.

Housecraft Science (Elementary Experiment Physics). By E. D. GRIFFITHS, B.Sc., F.R.G.S., East Ham Technical College. Illustrated. 3s. 6d. net.

Weighing and Measuring. Practical Exercises in Elementary Mathematics and Physics. By W. J. DOBBS, M.A., Camden Secondary School, Holloway, N. 3s. 6d.

Practical Mechanics. By SIDNEY H. WELLS, Wh.Sc., A.M.I.C.E., Department of Education, Egypt. With 75 Illustrations. 7th Edition. 5s.

Elementary Experimental Chemistry. By A. E. DUNSTAN, D.Sc., F.I.C., East Ham Technical College. With 109 Diagrams. 7th Edition. 3s.

A Senior Experimental Chemistry. By A. E. DUNSTAN, D.Sc., and F. B. THOLE, D.Sc. With Diagrams and Illustrations. 7s. 6d.

Plant Life. Studies in Garden and School, for Teachers of Botany. By HORACE F. JONES, Uxbridge County School. With 320 Illustrations. 5s.

A Catalogue will be sent on application

METHUEN & CO., LTD., 36 ESSEX STREET, LONDON, W.C. 2

those already in operation in the schools of the most progressive Education Authorities, there would be a substantial prospect of a settlement of the existing ferment among teachers; but it is now being realized that the Committee may adopt a scale substantially less than the best which are now being paid, leaving it to each Local Education Authority to supplement the national scale at will. In other words, differential rates of payment with differential rates of superannuation allowance would be paid to teachers who are doing exactly the same work. Under such a system the better paying areas would attract the best teachers, while those which paid the national minimum would not only be cut off from a satisfactory supply of recruits, but would be served by the inferior teaching grades. It is significant that the Cheltenham Conference of the National Union of Teachers decisively rejected a proposal to sanction differential scales of salaries for teachers of similar qualifications working in various areas.

National Federation of Class Teachers.

At the Annual Conference of the National Federation of Class Teachers, held at Liverpool, the new President, Mr. G. D. Bell, of London, emphasized the necessity of unity among teachers; and in this connexion he advised the setting up of Whitley Committees and the representation of teachers on all Education Committees. He expressed confidence in a satisfactory settlement of the salaries controversy, provided that the Board of Education would insist upon laggard authorities carrying out the decisions of the Joint Committee. Resolutions were passed in favour of the wider application of free education, with an adequate provision of maintenance grants, reduction in the size of classes to thirty on the roll, an extension of the system of school medical examination and medical treatment, and that children above the age of nine should be taught by teachers of their own sex. The Secretary, Mr. J. H. Lumby, reported a membership of 22,500, showing an increase of 2,036 upon last year.

The Birmingham Convention.

THE Convention of delegates from 125 Local Associations and representing 40,000 members of the National Union of Teachers may be regarded in part as the legacy of mistrust left by the ineptitude of the findings of the Departmental Report on Salaries,

and in part by the action of the Executive of the Union in suspending definite action in cases of salary disputes during the sittings of the Joint Committee on Salaries. There was also a feeling among members present that the Executive might possibly consent to the findings of the Joint Committee without referring these to the local associations, and a resolution asking for a special conference was passed. A further resolution was approved urging that the strongest efforts should be made to secure a scale of salaries ranging from £200 to £450 per annum by ten annual increments.

N.U.T. Notes.

A MOST interesting and practical memorandum has been drawn up by a joint committee of the Primary and Higher Education Sections of the Executive relating to various points of interest in school and administrative practice. The subjects include the provision of schools, free education, promotion of children from primary to higher schools, age of transfer, scholarships and bursaries, migration of families in relation to scholarships and bursaries, the award of scholarships by (a) written examination, (b) *viva voce* examination, (c) school reports or recommendations. The report, which has been adopted by the Executive, is worthy of perusal by all who are interested in education, and it contains much information of particular value in considering new developments in school work. In due course a report on continuation schools summarizing all the available information on the subject will be issued by the Executive. The Executive has received an invitation to send members to the Joint Advisory Committee for secondary education in order to represent secondary school teachers who are members of the N.U.T. In accepting the invitation three members were nominated by the Executive to sit on the Committee. The subscriptions to the Union fund in aid of teachers in receipt of insufficient superannuation allowances now exceed £25,000.

THE firm of Messrs. W. & G. Foyle, booksellers, of Charing Cross Road, London, has been converted into a limited company. The company has a stock of more than a million volumes, classified and arranged in departments in charge of experts. The firm buys more than ten thousand volumes weekly, and is able to supply almost any book asked for.

A BIBLIOGRAPHY FOR TEACHERS OF HISTORY.

Edited by EILEEN POWER, M.A.

(Director of Studies in History at Girton College, Cambridge).

This little Bibliography has been drawn up to assist teachers in finding what text-books and reference books are best suited for the teaching of history on International lines.

Price 2s., by post 2s. 1½d. Special 50 per cent. discount to teachers and students in training colleges applying direct and mentioning name of school, to:—

Women's International League, 14 Bedford Row, London, W.C. 1.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Paidologist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE),
13 PATERNOSTER ROW, LONDON, E.C. 4.

THE "POSITIVE" ORGAN IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.

Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 2's at 3s. 11d. 3's to 7's at 4s. 6d.

GYM SHOES. Black canvas, with chrome leather soles sewn on. 12's to 1's at 4s. 11d. 2's to 6's at 5s. 11d.

DANCING SANDALS. Black glacé kid, hand sewn, sizes 2's to 7's at 12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

MADDOCK & SON,
SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.

MCDUGALL'S 1919 ISSUES.

SCHOOL ATLAS.

23 Coloured Political Maps. 16 Photo Physical Maps. 14 Diagrams. Giving Territorial Changes up to date, including a new and valuable Race Map of Europe. In stiff boards, cloth back. Price 1s. 3d. net. With index. 1s. 4d. net. In full cloth boards, 2s. net.

Place your orders at once.

REGIONAL GEOGRAPHY OF THE WORLD.

A Scientific Treatment. This edition has been revised to 1919. Everything is completely up to date. 16 Coloured Contour Maps. 30 Black and White Contour Maps. 240 pages. Cloth covers. Price 2s. 6d. net.

REGIONAL GEOGRAPHY OF EUROPE.

Revised to June, 1919. A thoroughly sound text-book, fully equipped with Orographical Maps. 72 pages. Limp cloth. Price 1s.

EARTH KNOWLEDGE.

THE EMPIRE OVERSEAS (THE COLONIES) 10d. EUROPE, 1s., and Book 3, 9d.

The treatment in this series is regional, rational, and practical. The thought-arousing questions at the end of each lesson, a special feature. The Colonies is revised to June 1919. Europe to April, 1919. Book 3, which covers Europe broadly, and sketches the Americas, Africa, and Australia, to September, 1919.

AN OUTLINE OF BRITISH HISTORY. HISTORY IN A NUTSHELL.

An Epitome of British History from B.C. 55 to August, 1919 A.D. 80 pages. 6d. net. Paper cover. 8d. net. Cloth cover.

MCDUGALL'S EDUCATIONAL Co., Ltd.,
8 Farringdon Avenue, London, E.C. 4, and Edinburgh.

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY

All University Graduates with highest honours
selected primarily for their TEACHING ABILITIES

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) POST FREE
from the REGISTRAR, WOLSEY HALL, OXFORD

If you wish to
qualify to teach

**SHORTHAND,
BOOK-KEEPING AND ACCOUNTANCY,
COMMERCIAL PRACTICE,
ADVERTISING, PRACTICAL BANKING,
COMMERCIAL LAW,**

you can do so
in your spare time
by means of

PITMAN'S POSTAL COURSES.

The postal tuition meets exactly the requirements of teachers who are unable to secure oral training, or who desire to pursue the study of commercial subjects at home. One course, or any group of subjects, may be taken at any time, the lessons commencing from any stage of present knowledge. Write for details, stating the subjects in which you are interested.



169 SOUTHAMPTON ROW, LONDON, W.C.1.

PRINCIPAL
FREDERICK HEELIS,
F.R.S.A., F.C.I.S.

DIRECTOR OF STUDIES
ROBERT W. HOLLAND,
O.B.E., M.A., M.Sc., LL.D.

The Times EDUCATIONAL SUPPLEMENT

A COMPLETE EDUCATIONAL
NEWSPAPER AND REVIEW

Published every Thursday

ORDER TO-DAY

Annual Subscription by Post:

10s. 10d. INLAND

13s. ABROAD

from

THE PUBLISHER, PRINTING HOUSE SQUARE,
LONDON, E.C.4

Or from ALL NEWSAGENTS & BOOKSTALLS

PRICE 2d.

A free Specimen Copy will be sent to any Teacher who sends a post-card to the Publisher

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of

Uniforms, Head-dresses, Accoutrements, Laces, and Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office:

1, 3 & 5 Lexington Street, Golden Square, London, W.1

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Armilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

SELECTIONS FROM CONSTABLE'S LIST.

MODERN LANGUAGE BOOKS.

FRENCH DICTATIONS FOR HOME WORK.

By S. A. RICHARDS, M.A. 1s. 4d. net.

HANDBOOK OF RUSSIAN.

VOL. I.—Introduction, Phonology, and Elementary Morphology. By MICHAEL V. TROFIMOV and JAMES C. SCOTT. 3s. 6d. net.

VOL. II.—IN PREPARATION.

ELEMENTARY RUSSIAN READER.

VOL. I.—Edited, with Accents, Notes, Exercises, and Vocabulary, by MICHAEL V. TROFIMOV, Lecturer in Russian, King's College. 2s. net.

VOL. II.—IN PREPARATION.

ORGANIZED FRENCH READERS.

Foolscap 8vo, bound in limp cloth. 1s. net.

INTERMEDIATE.

1. CROISILLES. Edited by B. L. TEMPLETON, M.A. 88 pp.
2. LE PIED DE MOMIE. Edited by O. T. ROBERT, B. ès L. 80 pp.
3. LA PÊCHE MIRACULEUSE. Edited by KATHLEEN McDONNELL, B.A. 64 pp.
4. L'ARAIGNÉE CRABE. Edited by S. A. RICHARDS, M.A. 80 pp.

ELEMENTARY.

1. LA BELLE AUX CHEVEUX D'OR. Edited by E. CREAGH KITTSON, B. ès L. 64 pp.
2. LA BELLE ET LA BÊTE. Par Madame DE BEAUMONT. Edited by E. CREAGH KITTSON, B. ès L. 64 pp.
3. ALADIN. Edited by O. T. ROBERT, B. ès L. 86 pp.
4. ALI-BABA. Edited by G. SOULIER, B. ès L. 72 pp.

THE TEACHING OF MODERN FOREIGN LANGUAGES BY THE ORGANIZED METHOD.

By HARDRESS O'GRADY, lately Lecturer in the Training Department, University of London, Goldsmiths' College. 1s. 6d. net.

CLASS-ROOM PHONETICS.

Suggestions for Lesson Notes. By HARDRESS O'GRADY. 1s. 6d. net.

ROMAN LIFE READER.

Illustrating Roman Character, Manners, History, and Society. By S. E. WINBOLT, M.A., and P. H. MERK, M.A., Assistant Masters at Christ's Hospital. 2s. 6d. net.

THE FAERIE QUEENE.

By EDMUND SPENSER. In six books. Edited from the original editions of 1590 and 1596, with Introduction and Glossary by K. M. WARREN.

Fcap. 8vo. Per vol., 1s. 6d. net.

- Book I.—The Legend of the Knight of the Red Crosse or of Holiness.
- .. II.—The Legend of Sir Guyon or of Temperance.
- .. III.—The Legend of Britomartis or of Chastity.
- .. IV.—The Legend of Cambel and Triamond or of Friendship.
- .. V.—The Legend of Artegall or Justice.
- .. VI.—The Legend of Sir Calidore or of Courtesie.

THE WESTMINSTER SHAKESPEARE.

- Vol. I.—ROMEO AND JULIET.
 .. II.—AS YOU LIKE IT.
 .. III.—THE MERCHANT OF VENICE.
 .. IV.—MACBETH.
 .. V.—JULIUS CÆSAR.

Arranged for reading aloud, with a brief Historical Introduction and a Note on Reading Aloud, by J. W. MACKAIL, M.A., LL.D., formerly Professor of Poetry in the University of Oxford, with a Full Glossary of Obsolete or Unfamiliar Words and Phrases.

School Edition. Cloth Boards. Per vol., 1s. 9d. net.

CHEMISTRY AND PHYSICS.

TEXT-BOOK OF ELEMENTARY CHEMISTRY.

By F. MOLLWO PERKIN, Ph.D., &c., and ELEANOR M. JUGGARS. Illustrated. 3s. 6d. net.

PRACTICAL METHODS OF INORGANIC CHEMISTRY.

By F. MOLLWO PERKIN, Ph.D. 3s. net.

PHYSICAL LABORATORY EXPERIMENTS FOR ENGINEERING STUDENTS.

Mechanics, Sound, Heat, and Light. By SAMUEL SHELDON, Ph.D., D.Sc., and ERICH HAUSMANN, F.E., Sc.H. 6s. net.

A TEXT-BOOK OF PHYSICS.

By H. E. HURST, B.A., B.Sc., Hertford College, Oxford, late Demonstrator in Physics in the University Museum, Oxford, and R. T. LATTEY, M.A., Royal Naval College, Dartmouth, late Demonstrator in Physics in the University Museum, Oxford. 8s. 6d. net.

Published also in three volumes. Each part sold separately.

- I.—DYNAMICS AND HEAT. 4s. net.
 II.—LIGHT AND SOUND. 4s. net.
 III.—MAGNETISM AND ELECTRICITY. 4s. 6d. net.

A TEXT-BOOK OF THERMODYNAMICS

(with special reference to Chemistry). By J. R. PARTINGTON, M.Sc., of the University of Manchester. Demy 8vo. 10s. 6d. net.

THRESHOLDS OF SCIENCE.

A Series of Handy Scientific Text-Books, written in Simple, Non-Technical Language, and Illustrated with Numerous Pictures and Diagrams. 2s. 6d. net each.

- MECHANICS. By C. E. GUILLAUME.
 CHEMISTRY. By GEORGE DARZENS.
 BOTANY. By E. BRUCKER.
 MATHEMATICS. By C. A. LAISANT.
 ZOOLOGY. By E. BRUCKER.
 ASTRONOMY. By CAMILLE FLAMMARION.

OUTLINES OF EVOLUTIONARY BIOLOGY.

By ARTHUR DENDY, D.Sc., F.R.S., Professor of Zoology in the University of London (King's College).

2nd Edition, enlarged, illustrated. 15s. net.

POSTMORTEMS AND MORBID ANATOMY.

By T. SHENNAN, F.R.C.S.E. 18s. net.

Illustrated from Photographs and Coloured Plates.

LONDON: 10-12 ORANGE STREET, W.C.2.

BELL'S MATHEMATICAL SERIES

FOR

SCHOOLS AND COLLEGES.

General Editor: W. P. MILNE, M.A., D.Sc., Professor of Mathematics, Leeds University, formerly Mathematics Master, Clifton College.

RECENT VOLUMES.**STATICS**

By R. C. FAWDRY, M.A., B.Sc., Head of the Military and Engineering Side, Clifton College. Crown 8vo, 5s.; or Part I, Third Edition, 3s.; Part II, 2s. 6d.
Nature.—"This book can be confidently recommended."

DYNAMICS

By R. C. FAWDRY, M.A., B.Sc. Crown 8vo, 5s.; or Part I, Second Edition, 3s.; Part II, 2s. 6d.
School World.—"Mr. Fawdry has performed his task with the sure touch of one who is familiar with all the difficulties which beginners in this subject experience."

STATICS AND DYNAMICS—FIRST PARTS

By R. C. FAWDRY, M.A., B.Sc. Crown 8vo, 5s.
The First Parts of these two books have been issued bound together, in response to requests received from many teachers.

ANALYTICAL GEOMETRY OF THE STRAIGHT LINE AND CIRCLE

By JOHN MILNE, M.A., Senior Mathematics Master of the Mackie Academy, Stonehaven. Crown 8vo, 5s.
Athenaeum.—"The book is plentifully illustrated and well provided with exercises."

A FIRST COURSE IN THE CALCULUS

By W. P. MILNE, M.A., D.Sc., Professor of Mathematics, Leeds University, and G. J. B. WESTCOTT, M.A., Head Mathematics Master, Bristol Grammar School. Second Edition. Crown 8vo, with Answers, 3s. 6d.
Nature.—"A book of a peculiarly suggestive and persuasive kind. Both authors are experienced teachers of mathematics. . . . The style is splendid."

PLANE TRIGONOMETRY

By H. L. REED, M.A., Assistant Mathematics and Science Master, Westminster School. 2nd Edition. Crown 8vo, 4s. 6d.
A.M.A..—"This book represents a successful attempt to write a School Trigonometry on modern lines. We have no hesitation in declaring it to be the best school book on the market. . . . There is a magnificent collection of interesting and varied examples. . . . The boy's interest is at once aroused, and he is given a sense of power which reacts favourably on his other mathematical work."

ARITHMETIC FOR PREPARATORY SCHOOLS

By TREVOR DENNIS, M.A., Head Master of Lady Manners' School, Bakewell. Crown 8vo., 4s. net; or with Answers, 4s. 6d. net. Also issued in two parts, bound in limp cloth. Part I, 2s. 6d. Part II, 2s.

COMMERCIAL ARITHMETIC AND ACCOUNTS

By A. RISDON PALMER, B.A., B.Sc., Head of the Matriculation Department, and JAMES STEPHENSON, M.A., M.Com., B.Sc. (Econ.), Head of the Higher Commercial Department, both of The Polytechnic, Regent Street, London. Crown 8vo.
Fully Illustrated, with colour facsimiles of commercial documents, and a folding Industrial Map of the World. Part I, Third Edition, Part II, Second Edition, 3s. net each; or with Answers, 3s. 6d. net each. Also bound together, 5s. net; with Answers, 6s. net.

Nature.—"It almost makes one wish one were a modern child, so that one could be educated on such a book."

ARITHMETIC

By H. FREEMAN, M.A., formerly Mathematics Master at Haberdashers' Aske's School. Crown 8vo. Seventh Edition. With or without Answers, 3s. 6d.
Educational News.—"The methods shown are the very best possible."

Full particulars of this Series, and of the well-known textbooks of

Arithmetic, Algebra, Geometry, & Trigonometry,
by Messrs. PENDLEBURY, BAKER and BOURNE,
BORCHARDT and PERROTT, &c.,

will gladly be sent on application.

G. BELL & SONS, LTD.,
York House, Portugal Street, W.C.2.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.**SCALE OF CHARGES FOR ADVERTISEMENTS.****PUBLISHERS' AND GENERAL ANNOUNCEMENTS—**

Whole Page	£8 10 0	Half Column [$\frac{1}{2}$ page]	2 10 0
One Column [$\frac{1}{2}$ page]	£4 10 0	One-Eighth Page	1 5 0
Per Inch in Column, 12/6.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—9d. per line; minimum charge, 7s. 6d.

Posts Wanted or Vacant.—30 words for 3s.; each 10 words after, 1s.; *prepaid rate*.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 4s. 6d.; each 8 words after, 1s.; *prepaid rate*.

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C.4;

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London Joint City and Midland Bank, Ludgate Branch." *Postage stamps can only be received at the rate of thirteen to the shilling.*

Notice must be given of all remittances through the Post Office from abroad, stating *full name and address* of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C.4.

THE TEACHING OF ENGLISH.*

By Sir ARTHUR QUILLER-COUCH.

AMONG the many sayings of Don Quixote which endear him to us by their grave simplicity, I specially like his conjecture, propounded to the worthy gentleman Don Diego de Miranda, that the divine Homer wrote in Greek and not in Latin because Greek happened to be his mother tongue.

I shall make that saying the text of my share in the discussion which I am honoured in opening: because it really goes to the root of the matter. If we can once make up our minds on the value of English to an English-speaking man or an English-speaking woman, we shall surely not be far from discovering the right place of English in the education of an English-speaking boy or girl: and when we once have that right place clear in our minds, I for one am certain that we can leave the best method or methods to discover themselves under experiment by many eager minds at work in teaching. Indeed I ask you, reflecting on how much of discovery we stand to gain by allowing these eager minds a very full freedom, to let me put dogma aside for the moment, not even assuming that there is, or can be, such a thing as an absolutely best method.

The divine Homer, then, wrote in Greek, because Greek was his mother tongue: as well as—we may add with some assurance—for the reason that he knew no other. Well, but if he had known a second language, do you suppose he could have written equally well in that? You will agree, I think, that this were incredible. For not does it only overstrain faith by doubling the miracle; it asks us to believe further that the numberless critics who in all ages have praised Homer's native strength, native ease, native grace, native simplicity, were one and all the sport of an artifice. Or,

* From a paper read before the Educational Science Section of the British Association at Bournemouth on September 9, 1919.

again, when Milton speaks of Shakespeare's "native wood-notes" do we not feel the epithet to be exquisitely true, and that Shakespeare, though he had known a dozen other languages well, could not have produced the music that we know—his own music—with its marvellous undertones and overtones, in any but his own Mother-English?

There is a memorable speech, which belongs to memorable thoughts, memorable emotions, memorable occasions. There is a plain speech which belongs to daily life, to business, to ordinary affairs public and private. It differs from literary language, especially from poetical language, and to some extent properly—though I think it differs more than it should, even as I hold that the average man can be, should be, and might to his great profit be, more of a poet than he is. Its vocabulary will include many words that poetry rejects, reject many that poetry includes. Its sentences will be shorter than good prose permits; and naturally, because it traffics with phenomena, "snap-shotting" them (so to speak) as they fleet and pass: whereas literature concerns itself with their underlying permanence—with ideas, with universals: so that we rightly smile at the man who, in company, "talks like a book."

But ought we not to demand of the plainest, most everyday, speech that it be clear, expressive, accurate; graceful when possible, and, at any rate decent? When you assent (as I suppose you do) to my proposition that the vast majority of our countrymen think in English—does not that involve your assent to another—that every English-speaking child should learn to define and clarify in his mind the terms in which he thinks—to think, that is, in real English, and not in jargon? I have no time to illustrate this reaction of speech upon thought. But to take one instance only, let me merely glance at one term—the term "alien"; and appeal to my hearers' experience of late to answer, "How much of clear thought has not, in these five years, and in millions of minds, been clouded by prejudice or muddled by passion, through a hazy sense of this one little word, which in strictness applies equally to a Frenchman, an American, an Armenian and a German Jew?"

Yes: and two other conclusions flow, if we accept it for a premise, from our proposition that a man speaks best in the language in which he habitually thinks:—

(1) The first is that, following the great educational rule of "Improve the best" we should aim, as teachers, through English in preference to any foreign language, be it alive or be it dead.

(2) The second is that English ought never to be treated as a "Special Subject." As the natural medium of our children's thought it ought to be the basis of every subject of instruction. In History, in Geography, in Mathematics, in Natural Science, no teacher should be allowed to teach until he has a grasp of the English in which he proposes to communicate his knowledge, no learner to listen until his understanding has been prepared for the terms employed. I would lay all possible stress on this point; that, for an English-speaking child, the language in which he thinks should never be a special subject, taught apart, but should condition and qualify all his studies.

I think we are now in a position to dispose of one practical question, at any rate, and to dismiss it in a sentence. "Is English adequately taught in our schools and universities to-day?" It is not: and every one in this hall knows that it is not.

I pause here to put in a word of encouragement for those who intend to fight until other studies make room to admit English into their circle, not as any rival queen, but as queen of them all for us and nursing mother. It was not without purpose that in opening this discussion I cited great names and kept you awhile among the heights of literature; because centuries ago the great men of letters fought and won for literature precisely that battle for freedom which—to compare small things with great—we poor pedestrian teachers have to fight and win to-day. Dante, Boccaccio and Petrarch; Ronsard and the French "Pleiad"; our Chaucer, Wyclif and others; all faced out the tremendous authoritative frown of Latin and

answered it—being all learned men, mark you—"Yes, we love your past and you overawe us. None the less you are dead: men no longer think in you: and therefore in spite of your Lucretius, your Virgil, your Cicero, to our poor vernaculars we will turn for salvation. They are vulgar, they have no ancestral trophies. But they are alive and not dead; and in them therefore, starting anew, we will build what monuments we may." The battle was, if you study it, an obstinate one. Long after the vernacular itself had been vindicated, Spenser had to wrestle with Gabriel Harvey, Daniel with Thomas Campion, for the freedom of English as against Latin scansion in English poetry.

Literature, then, won this freedom for itself: but unhappily it did not share out the wealth of its liberty to endow the speech—"plain speech" as I called it just now—in which plain men and women do their everyday business, express their social transitory wants and wishes, conduct the commerce of life. I shall here address myself to the two parties in a main dispute, with a fair prospect of annoying them both.

On the one hand, I maintain that our literature, which took its origin in the proud scholarship of the Renaissance, has from the first been too aristocratic: that the freedom it won has been too like the freedom—the culture it sparingly dispensed, too like the culture—of Periclean Athens; in that both have seen to postulate, if not a slave population, at least a proletariat for which these blessings were not. I do not forget our Authorized Version of the Bible. It is the grand exception, not only proving the rule, but suggesting—to me at any rate—a sad surmise of what our Literature has had in its power to do and, on the whole has missed doing. It has—if you will allow the figure—fashioned priceless things innumerable in gold and silver: it has not done an equal service in ennobling the stamp on the currency. And so I understand what men of science mean, though I know them to be wrong, when they assume Literature to be something ornamental, at play with fancies while they, stern fellows, are occupied with hard truth. They have the excuse, too, that our schoolmasters for more than three hundred years have helped this divorce of literature from reality, even inventing in their Latin and Greek grammars forms of speech not discoverable in any extant writings. Yet, and on the other hand, I am sure that men of science do wrong to misprize Literature. For it deals, after all, with ideas: and ideas are the most powerful agents in the world. Ideas move everything human, science (which is human knowledge) itself included. Yes, and the most positive discoveries of these positive men lie very close to the shadow that rounds us all, and still *excunt in mysterium*. But the question for us is, How can we bring our English teaching to do hard clean stark service in the modern industrial State, and concurrently to humanize it through the ideas of a great ancestral Literature?

I am happy to have reached at length a point on which every reformer in this hall is going to agree with me. Our common obstacle is no human enemy. It is the time-table. That blocks the road not for those only who would improve the teaching of English, nor will the coach-and-four which I shall propose that we drive through it carry us teachers of English for a selfish and select body of passengers. All our ways lead to it, and for the moment it defeats us all.

I start then, from my premise that English, being the medium in which our children think and by which they express their thoughts, is not a "subject" but the root of all learning.

The learning we raise upon this root we may classify in five main branches—Languages, Mathematics, Natural Science, History, Literature. Of these five the two—Languages and Mathematics—which I have put first simply because the schoolmaster puts them first and so far foremost—are, for anything but refined scholarship, mainly of use as ancillary to the other three: Languages to Literature and to History, Mathematics to Natural Science.

Now—confining myself for the moment to that type of Education on which, since we pay the most for it, we presumably set the highest value—I mean, of course, that which begins in a Preparatory School, proceeds to a Public School,

thence to a University, and is roughly divided on the way by a "Schools Certificate Examination" into two stages, the one "General," the other more or less "Special"—I hold that in the earlier or general stage of the five main studies a quite inordinate amount of time is spent on the two which I call ancillary; too much on Mathematics and far too much on Linguistics. I admit of course that the simpler rules of Arithmetic are necessary, even so early as this, with perhaps a little Algebra. I admit the value, in later life, of a command of many modern languages, and shall touch on this presently. I think I know the most that can be pleaded for our old friend, "intellectual gymnastic." I am well aware that, as scholarships and prizes are shared out to-day by our Universities, the age of eighteen or thereabouts may still be called—as Sir George Trevelyan called it, forty years ago, in his "Life of Macaulay"—"the time of life when writing Latin Prose is the most lucrative of accomplishments," and I can therefore, and merely as a man of the world, understand public-school masters training with an eye on these prizes, and preparatory-school masters training with an eye on the Public Schools' demand.

Take a preparatory- or a public-school time-table and compare the time it lavishes on Latin prose composition alone with the time it concedes (if it concede any) to practising the child in his mother-tongue. Reflect next that these urchins are required, not to write the Latin of any useful or living Vulgate, are discouraged even from imitating an author so idiomatic and lively, but so late, as Tacitus, and confined to the so-called golden Latin of Caesar and Cicero. Now I am sure that no human English boy can ever think in Augustan Latin, and (Cicero himself being a polished dealer in second-hand thought) I will add, God forbid that he should! Into the time spared from such enormous waste, the table crowds Greek, Latin, French, possibly some German: and if you ask "Why all this excess of Linguistic?" you get some answer referring you to the old Hellenic breadth of culture: whereas, from whatever cause it sprang, that miracle was manifested in a people which knew no language but its own!

Of this I am sure—we shall never get sense into the time-table until we exhibit hellebore to this craze for linguistic in the lower forms. Until a child reach fourteen or fifteen let him practise the language natural to his mind, and one other: and let him practise English so that it be equally serviceable to him in his later studies, whether he go on to specialize in Literature, History, Natural Science, or aught else. In English, even, postpone his study of Anglo-Saxon and Middle English until he goes up to the University. Teach him indeed that the words he uses have a history, to be respected in his use of them: but worry him with very little philology beyond that.

But about this other language—Which shall it be? Well, as to that, there may be many opinions: and it scarcely affects my main argument that here I am going to be frankly heretical. I vote for Greek.

Yes, for Greek; and why not?

Greek, to begin with—and an easy form of Greek—is the authentic language of the New Testament; on which we assure one another that we base the whole of Christian morality. Greek, too, is the basis of scientific nomenclature in all countries. That is not a bad beginning, I submit.

Greek has—over Latin, at any rate—three tremendous advantages for our purpose. (1) It is, as the Romans themselves confessed, an incomparably finer language, at once more copious and more delicate. (2) It is the key to an incomparably finer literature. (3) Whereas the "easy" authors in Latin are sadly uninteresting, in Greek one can get the child interested at once in Homer, in Herodotus, in the Gospels—three of the most fascinating works in the world, whatever else we may add in their praise. Give the boy his native Shakespeare, Keats, Scott, Dickens alongside of these, and how can you familiarize him earlier, more winningly, more genially, with the glories of his birth and state?

Yet, if you will, reject this plea for Greek. Make your other language French: make it Latin: or try Greek and French as alternatives. I (and those, not few, who think with

me) ask you only to clear the time-table and relieve the children of its early, intolerable weight of linguistics.

Mr. Fisher recently appointed a Committee to inquire into the place which the study and practice of English should occupy not only in a liberal education but in relation to "the needs of business, the professions, and the public services." That Committee is now at work; and, as a member of it, I could not decently forestall its conclusions here, were I able to divine them. I shall conclude therefore with three or four brief notes upon the argument to which you have so patiently listened.

(1) My belief is, the division marked in the terms of reference between the requirements of business, of the professions, of the public services, and the requirements of a liberal education, will tend to disappear in the course of the Committee's inquiry. The first requirement of men and women, whether as citizens or as individuals, who would nobly and intelligently—yes, and happily—practise the art of living, is a liberal education: and in this, as I have tried to show, English is no special subject but, for us, the common mother of all.

(2) What? A liberal education even in our Elementary Schools? Yes—for hear me solemnly profess this my faith, that Humanism should be no decorative appanage purchased late, purchased expensively and by a few. It is rather a quality which should, and can, condition all our teaching, from a child's first reading lesson; its hall-mark can, and should be, impressed on our most elementary tasks.

(3) But if a teacher, conducting a child's first reading lesson, would make "that, and the action, fine," he must cast away shyness, and, having chosen some simple and beautiful passage, show how winningly the words can fall from his own lips. There, oddly enough, lies a great part of our trouble. We have fenced our literature off like a Turkish woman. We are shy of speaking it out. As for training the young to enunciate their own magnificent language—well, listen to the clergy, what noises they make! I know well enough the value of "silent reading," and our want of it in elementary schools. It is the master-key to all knowledge. But let us read aloud as well, and learn to read aloud that we may be able to teach. I speak particularly of the elementary schools because it seems likely that they will provide in the near future a large proportion of our public speakers; and I am assuming (rashly perhaps) that we shall prefer them to be articulate.

(4) "But where are we to find the teachers to fulfil these requirements"—and others that I might mention? Yes, there, for the time, lies our gravest difficulty. I am betraying no confidence, I hope, when I tell you that already the English Committee finds itself recurring upon this, and estopped by it—this difficulty of finding teachers of the language in which we are all supposed to think. I will tell you, at any rate, where they will never be found, save exceptionally and in exiguous numbers: and that is in narrow professional training colleges. When will our rulers learn the sense to save their money on these colleges, and to employ it either in sending their prospective teachers to genuine Universities where they can rub minds with other youths destined for other walks of life, or in so raising the salaries of our actual teachers that it will be worth a parent's while to invest on a child for a University degree, even as he invests to get him qualified for medicine or for the Bar?

(5) The fault lies not in the men and women we train, but in our frantic system. I suppose that no calling in this country can show, at this moment, such a proportion of men and women eagerly striving to do more than their best for a ludicrous monetary reward. I end, as I began, with saying that their keenness is such as to silence dogma and bid it wait on their experiments. I have listened to elementary-school masters—to infant-school teachers, conferring bow to make their teaching of English better. In a garden at Eton the other day I listened to a similar informal conference among teachers of that great school; and, although the difficulties differed, the spirit was the same. I am sure that a spirit so eager, if we but allow it scope to experiment with a

language so full and various as ours, and containing in its literature such a wealth of models, from the majestic to the familiar, will end in discovering an education based on native thought, sensitive to other thought, reverent of our past, and equal to our future.

FOREIGN AND DOMINION NOTES.

UNITED STATES.

In comparison with Oxford and Cambridge, the American universities are young. The oldest, Harvard, celebrated her two hundred and fiftieth birthday, however, in 1886; and she is fully conscious of her right to precedence in the society of American academies. A writer in the *Boston Education* (XL, 1) tells of a former Harvard president who, in his chapel prayer, was accustomed to invoke the divine blessing "on this and all inferior institutions." Harvard refers to Yale as not only sixty years later in the time of her birth, but as having kept that distance behind ever since. Columbia is an old British foundation. But Cornell in 1903 could but celebrate a semi-centennial anniversary; and Chicago in 1916 only a quarter-centennial. The great State universities, doing vitally important work in their several spheres, are of quite modern origin. But, of whatever age or with whatever sentimental claims to honour, the American Universities are alike the homes of American idealism. Says the writer in *Education* whom we have just cited: "Money is the common denominator of all human wants, but though the dollar is the popular yardstick of all our interests, it is not almighty nor the supreme consideration, but has its greatest importance when held in due subordination to higher values." The prayer used at the quarter-centennial celebration of the University of Chicago contained these words: "Make us equal to our high trusts, reverent in the use of freedom, just in the exercise of power, generous in the protection of weakness." These are not the utterances of sordid materialists. We should be removing the last obstacle to a complete understanding between America and Britain if we could get our countrymen to study more closely and to revere the idealism of a James Otis, a Patrick Henry, a George Washington, a Daniel Webster, an Abraham Lincoln, and a Woodrow Wilson—the great living idealist storm-tossed and sorely battered on an ugly sea of politics. It is from the American universities that such idealism radiates among the young.

What those universities did in the War is illustrated by the foremost article, "American Scholarship in the War," in the *Columbia University Quarterly* (XXI, 3). A single division of the National Research Council, in its report for 1918, showed work of national significance by scholars in physics, mathematics, and allied fields toward the solution of no fewer than sixty-eight different problems, every one of which needed for its solution men with training and knowledge and vision. A device elaborated by American physicists gave soldiers nineteen seconds in which to take cover from cannon fired four miles away. College professors made improvements in gas masks, and discovered new gases of offence. A Columbia professor of education organized an educational programme that served as a therapeutic for the wounded. "Scholarship," be it observed, is used in the article in a wide American sense, the scholar being "an expert in any field who knows enough of other matters to see his own specialty in its relation to things in general." For Sir John Sandys a scholar is "one who through his early training and his constant self-culture has attained a certain maturity in precise and accurate knowledge." Men take old terms and fill into them a new content—not always gainfully.

The Thirty-ninth Annual Convention of the American Federation of Labour, held in Atlantic City, June 19 to 23, approved the Smith-Towner Bill, urged that scientific and technical research should be fostered in every way by the Federal Government, and, for the support of teachers, passed a resolution that they should have secure tenure of position during efficiency, being dismissible only after full hearing before a commission on which they are represented. The meeting of the National Education at Milwaukee early in July was sparsely attended. *The School Review* (XXVII, 7) states that it took no action of importance to American education, and produced no report or plan having pregnant suggestion. The Association is threatened with dissolution, as other organizations with more homogeneous interests are coming into prominence, and it cannot free itself of political wire-pulling and internal dissensions. We must apparently look henceforth to the Department

of Superintendence and the Teachers' Federation for the valid expression of collective educational opinion in the United States.

FRANCE.

A writer in the *Revue pédagogique* (LXXIV, 8), under the rubric "Pedagogy at the University," studies suggestively the part that the French university ought to play in the cultivation and advancement of pedagogy. At present the universities have Chairs with education as a province; but pedagogy, or the technique of education, has its scientific roots in physiology, psychology, sociology, and ethics. This technique can be elaborated scientifically only in conjunction with such auxiliary sciences of education, which, in their turn, lose by detachment from a legitimate domain of experiment. And, to keep touch with primary education, the University should undertake the pedagogic training of candidates for the offices of primary inspector and director of a normal school. To give that training efficiently, the Chair of Education should co-operate with the Chairs of Ethics, Sociology, General and Experimental Psychology, and the Hygiene of Infancy, the holders of these Chairs forming a Committee of Education, which would control the programmes of instruction and the conditions under which diplomas were granted. And, as the most vital element of the proposed reform, there should be attached to every university an *école annexe*, a school analogous to such institutions as the Lincoln School of Teachers College, New York, to serve at once as a model and as a field of experiment. We observe that the Calcutta University Commission, whose report is noticed below, propose to establish "a large practising school and also a small demonstration school; the first to accustom the students in training to the methods which should be used in every good school under normal conditions of work; the second to provide opportunity for educational experiments and for the trial of new methods and courses of instruction." Whether practice and experimentation be combined in the same institution or pursued separately, they are equally important. Under the old regime, education was a tradition of practice, and experiment was sheer impiety. The French writer properly indicates the mainsprings of reform in pedagogy—intimate co-operation with the allied sciences, and experimentation, and, as properly, assigns to the University the task of reforming it.

GERMANY.

The German mountain is in labour, and only the gods know to what it will give birth. The meeting at Berlin in June of the *Deutscher Lehrerverein*, attended by teachers of all orders, formulated for education the principles here shortly summarized. (i) Nature and Mission of the School. (1) Democracy requires an education that will give to every citizen the greatest productive capacity and the most complete sense of responsibility. (2) Schools should be uniform and self-governing. (3) Privileges must be abolished. Admission to any vocation or vocational school (the Universities included) should depend not on the order or kind of school attended, but on the proof that the applicant can furnish of his capacity. (ii) Obligation to attend school. (1) Obligation should begin at the earliest with the completion of the sixth year and end with the close of the eighteenth. For eight years at least the education should be general; then should follow continuation, compulsory on both sexes, in schools pursuing at once liberal and vocational aims. (2) Where there is no proper home education, attendance of a maternal school should be obligatory after the completion of the third year. (3) All public schools for those of the imposed school age should be free, and school material should be supplied gratuitously. (4) Private schools that divide children by distinctions of class, means, or religion must be abolished. Where for some urgent reason they are allowed to remain they should be under the surveillance of the State. (iii) Organization. (1) The basis of the whole educational structure should be the *Einheitsschule*. (2) The schools above this (continuation and special schools) should be organized so as to give a general culture that would enable the recipient to enter a University. (3) Separate provision should be made for the abnormal—the blind, the deaf, the dumb, and so forth. (4) Schools of every sort should be distributed according to the wants and population of the districts.

INDIA.

The Report of the Calcutta University Commission is an important document in the history of Indian education. With regard to secondary education the Commission find:—(a) Most of the high English schools are under-equipped and are conducted by an underpaid and for the

most part an untrained staff. (b) They are unduly dominated by an examination (the matriculation) which is itself ill-designed and not of sufficiently high standard, and which gives no encouragement to many subjects of study necessary for the welfare of the pupils and for the prosperity of the country. (c) Owing to the existing division of authority between the University and the Department of Public Instruction there is no adequate machinery for supervising, guiding and assisting the work of the schools as a whole; in other words, a coherent system of secondary education does not yet exist. (d) A large part of secondary education is actually conducted, not by the schools, but by the colleges of the University in their intermediate classes. It is recommended that the standard of admission to the University should be that of the present intermediate instead of that of the present matriculation examination, and that "the duty of providing training at the intermediate stage should be transferred from the University to new institutions to be known as 'Intermediate Colleges,' some of which should be attached to selected high schools, while others should be organized as distinct institutions." Even with the intermediate students withdrawn, the number of students remaining to be dealt with would be too great for a single University organization. Hence a great re-casting of the machinery of instruction is proposed in order to make Calcutta a real teaching University, offering an adequate technical as well as a literary training.

The administrative changes outlined are too large and complex to be set forth in a paragraph. We must be content to record in this the judgment of the Commission on three matters of general interest. (i) It recommends that the project of a university at Dacca should be carried into effect at the earliest possible moment; and advises also the adoption of a mode of organization for the mofussil colleges such as to encourage the gradual rise of new university centres by the concentration of resources for higher teaching at a few points. (ii) As to the professorate, the titles of professor and reader should be strictly reserved for persons upon whom these titles are conferred by a university, and who are in receipt of a minimum salary, to be determined. Appointments to professorships and readerships should be made by special selection committees including external experts; and, in order that there may be in each university a certain number of Western-trained teachers of these ranks, a defined number of professorships and readerships in each university should be appointed on the nomination of selection committees acting in England, but including representatives named by the University. (iii) To promote the education of women a standing committee should be formed, such committee to include women and to be empowered to consult bodies consisting of women only, in which *purdah* women could take a part. An attempt should be made to organize *purdah* schools for Hindu and Moslem girls whose parents are willing to extend their education to fifteen or sixteen. Women should be admitted, so far as possible, to the instruction provided by the University; but, in the special circumstances of Bengal, the main provision for them must be made in distinct institutions and under special direction.

As to the medium of instruction, the Commissioners think that the educated men and women of Bengal will wish to be bilingual. Accordingly, the vernacular should be used throughout the high schools except for the teaching of English and mathematics; but the general medium in higher education should be English. In the *Madras Educational Review* (xxv, 5 and 6) Prof. Seshadri pleads for the establishment of a university at Baroda, a progressive city of more than a hundred thousand inhabitants. He, too, whilst he would foster the vernaculars and give them a definite place in university examinations, upholds English as the proper language of higher education, linking India, as it does, with the whole civilized world, and laying open a range of intellectual treasures wider than can be created in an Indian language within any measurable time.

SOUTH AUSTRALIA.

In South Australia the study of agriculture is being fostered. Arbor Day is observed, and this year trees were planted in honour of dead soldiers. At the Royal Horticultural Society's Summer Show there was a competition for public-school children. Again, agricultural scholarships are offered in certain recognized high schools. As to teachers, they are being encouraged to visit other schools, reporting to the District Inspector the result of their observations. Salaries, it is complained, are low—lower than in any other State of the Commonwealth. Except to one section of teachers—that of the unclassified—no general allowance has been made to cover the

increased cost of living. Women, in particular, are ill paid; for assistants the minimum is £100, the maximum £156; whereas in New South Wales the minimum is £150 and the maximum £237. A recent award in Western Australia gave to adult women workers in factories £2. 2s. a week; a hundred women teachers in South Australia are working for less.

UNIVERSITIES AND SCHOOLS.

GENERAL.

The Universities are busily engaged on the work of reconstruction. The number of students at each of them promises to equal, or even to exceed, the customary limits of pre-war years and the work of filling up the gaps in the teaching staffs due to the war is proceeding apace. We have arrived at a critical period in the history of University education. The difficulties in carrying-on caused by the war are over; but the losses, both in men and in money, have still to be made good. More than this, our outlook on the future has changed and is still changing. Many of the opinions now strongly held will prove to be transient; many, on the other hand, will remain. It is the difficult task of the authorities to distinguish between these views, and the position which the Universities are to hold in the national life of the future will be determined by the choice which is now being made. The technical branches of science are making strong claims for recognition, and the importance of the study of modern languages is being strongly urged. Nor is commerce without its advocates. Modern languages have been recognized by the institution of new professorships in Italian, Spanish, and Russian in many colleges. In this connexion the proposals made at Cambridge to allow candidates to sit for a diploma in foreign languages will be of interest. It is proposed that the candidate shall be a member of the University who has passed the Previous Examination and has kept two terms, and that he shall take the papers set in one or more languages in Part I of the Modern and Medieval Languages Tripos. There will also be an *oral* examination.

There is no sign yet at the Universities of any recognition of the changed conditions which must be produced by the development of advanced courses in secondary schools. As things stand a student passing from one of these courses to a University may be required to repeat a great deal of the work he has already done. Further, he is actually handicapped in competing for scholarships by the fact that advanced course syllabuses are less specialized and provide a more general education than University scholarship examiners require. It would be of immense value to education in the University, as well as in the school, if arrangements could be made for the University authorities, the teachers in secondary schools, and the Board of Education, to meet together to discuss the problems involved. At present all three seem to be trying to act on different lines.

The Authorities of London University have decided that the teaching of military science, suspended during the war, both as a branch of general education, in which case it ranks as an optional subject for the B.A. and B.Sc. degrees, and for candidates for University commissions in the Regular Army, shall be resumed. Both classes of student will obtain practical training in the University Contingent of the O.T.C. Major G. P. A. Phillips, O.B.E., has been appointed Lecturer for the current session, and lectures and practical training will be arranged at centres in London convenient for the students of the various colleges.

The Superannuation Act of 1918 does not apply to teachers in schools run for private profit, nor, indeed, to non-profit-making schools which are able to maintain satisfactory pension schemes. Efforts were made to get such schools brought under the Act, but the Board of Education refused the concessions which were offered on behalf of these schools. If they were to keep the teachers already in their service, and attract others, they were bound, therefore, to adopt some method of self-protection. The Federated School Pension Association is an attempt to solve the problem. In brief, the schools which join the Association propose to take out assurance policies for the members of their staffs. These policies will be held by the Association and thus teachers will be able to pass freely from school to school among those which are members of the Association. The principal advantages claimed for the scheme are that the pension will not depend upon the salary paid, that there will be no qualifying period of thirty years' service, and that there will be a possibility of free movement among a greater variety of schools. As to the cost, the tables included in the published memorandum show that the premium required for a male graduate entering an Association school at twenty-five-

to provide the proposed benefits of a pension of £200 and a lump sum of £550 at sixty, will be £43. 11s. 8d., and the whole of this premium will be paid by the school, the cost being met by a small rise in school fees. It is probable that policies will be taken out for existing staffs, though the premiums for teachers who are nearing the pensionable age would probably prohibit the provision of a pension of the above amount. Nor are the questions of benefits at death or on disablement through illness, apparently, yet decided; though, if the scheme is to compete with the Superannuation Act, substantial financial benefits must be forthcoming. A considerable number of schools have already joined the Association. At present the details of the scheme are being worked out by a provisional committee under the chairmanship of the Rev. Prebendary Talbot, Provost of Denstone. Obviously, no detailed criticism, still less a definite opinion as to the prospects of the Association, can be offered until the scheme in its final form has been published.

WALES.

Wales is at present confronted with a serious problem which must be quickly solved if she is to realize all her expectations of educational advancement. The shortage of teachers, especially in the elementary schools, has become so serious that many Authorities are unable to staff their schools at all adequately, and, unfortunately, with the return of peace conditions, there is, so far, no indication that the teaching profession is becoming more popular with the younger generation. Though salaries have been increased and the status of the teacher improved, there is a marked reluctance on the part of parents to recommend their children to prepare for the teaching profession. It may be that they are ignorant of the altered conditions which have been brought about, and that the effect of a campaign instituted some time ago against the entry of our promising pupils into the schools is still to be felt. But, whatever the reason for the deficiency may be, it exists, and it was treated as an urgent question at the recent Conference of the Federation of Education Committees at Llandrindod Wells. In Wales, the number entering the training colleges in 1908 was 842; in 1918, 805, though the demand was far greater. Mr. Rhys Elias, the Director of Education for Merthyr Tydfil, suggested that the shortage was due mainly to the low initial salaries compared with those obtainable in industries, and he was of opinion that, unless these were at least doubled, it would be impossible to staff the schools properly. The Federation have referred the whole question to their Executive Committee and directed that a pamphlet be prepared setting forth the advantages of the profession.

Allied with the question of supply of teachers is the question of training facilities, which are still inadequate, especially in South Wales, and a joint conference representing the counties of Brecon, Radnor, Carmarthen, Pembroke, Montgomery, and Cardigan was held at Llandrindod Wells to discuss the desirability of extending the existing facilities for Mid-Wales. Sir Owen Edwards attended, and his suggestion was that it would be better to arrange for a two or three years' course at some University centre rather than to establish a new training college. On the other hand, Mr. Jenkyn James, the Director of Education for Cardiganshire, pointed out that it was the rural areas which suffered most from the shortage, and that the type of college which was most urgently needed was one which emphasized the special training for the work in country schools. As there was some diversity of opinion as to the policy to be followed, it was agreed to ascertain the views of the areas concerned.

The scheme outlined by Sir Henry Jones at the Corwen Eisteddfod has, on the whole, been well received, and in certain areas preliminary steps have been taken to consider how far it is a practical and feasible scheme. His plan is to utilize the existing organizations connected with the Churches as centres for the diffusion of knowledge, and to make them responsible for the effective working out of the plan. He is also sanguine enough to believe that, even in the small towns and villages, it would be possible to gather together a group of, say, twenty people for three years to attend a continuous course in such subjects as economics or science, the classes being tutorial and conducted by the University. The scheme is undoubtedly interesting, and well worth consideration, and if Sir Henry in his intended tour can instil some of his own enthusiasm into the Churches and the masses generally, it has a reasonable chance of success. But he will have great difficulties to face, not the least of which is the inertia of the public, especially in the rural areas. Further, his whole scheme depends on an adequate supply of trained teachers, and we question whether there is any reasonable chance that it

will be forthcoming for a long time. For, as already pointed out, even the existing institutions, not counting the continuation schools, are barely able to meet their requirements. All the same, nothing but good can result from a new educational campaign amongst us.

Several important appointments have recently been made in Wales. At the University College of Wales, Aberystwyth, Prof. B. Mowatt Jones has been selected for the Chair of Chemistry. During the war he was Head of a research laboratory in France, dealing more especially with poison gases. It was also intended to appoint a professor of Celtic, but this has been deferred until the end of the present year. An expert committee had recommended that the present lecturer, Dr. Parry-Williams, be appointed, but objection was raised to his appointment on the ground that he was a conscientious objector. The other candidate was Mr. Timothy Lewis, Assistant Lecturer in Welsh, who had seen service during the war. To the Professorship of Mathematics, Dr. W. H. Young, late Fellow of Peterhouse, Cambridge, was appointed in succession to Prof. R. W. Genese. Prof. Genese had held the post from the establishment of the College, and has had a marked influence on mathematical teaching in Wales. To the head mastership of Llandovery County School, Mr. John Evans, from Llandilo County School, was appointed. The Breconshire Education Committee have appointed Mr. W. Emrys Evans, from the Caerleon Training College, as their Organizer of Education. This is the first appointment of the kind in the county, and, so far, but few of the smaller Welsh counties have ventured on the experiment of seeking expert advice on their educational problems. But no doubt the complexity of the questions arising from Mr. Fisher's Act will, in time, compel them all to do so. Mr. R. M. Kinsey, from the Towy County School, is the new Head Master of Newtown County School. There still remain two head masterships to be filled—those of Llangollen and Llanrwst.

We understand that the Glamorgan Education Committee have been considering a new scheme for the county, though, as yet, the details are not finally settled. The present governors in the intermediate school areas will take under their supervision all forms of education within the areas and thus bring into closer co-operation all types of schools—elementary, middle, continuation, and intermediate schools. The present duality of control will be abolished, and the County Education Committee will assign great powers to this local committee, so that, in many respects, they will become autonomous. It has also been passed that no intermediate school can charge less than £4 per annum, which is, of course, extremely low in view of the present expense of education. Other details were also considered, but, as no final decisions have been arrived at, it is better to reserve comment on them. This Committee have also received a strong deputation from the head masters of the secondary schools on the question of salaries. The present maximum is £650 for the larger schools, but this figure is considered inadequate. The Committee are now giving further consideration to the appeal. Substantial increases in the salaries of the assistants are also foreshadowed, and it is probable that the maximum will be fixed at £500. Should this be correct, the action of Glamorgan will have a stimulating effect on other Authorities, which so far have been very niggardly in their scales of salaries.

Other Education Committees are considering their new schemes under the Act, but not much progress has been made, and the majority of them are probably waiting for a lead before committing themselves to a definite plan. Further, it would probably be unwise for them to do so until Mr. Bruce's Commission has investigated the whole question of control and issued its report. This Commission has held a few preliminary meetings and has requested certain Authorities to prepare evidence, among them the Central Welsh Board, but has not as yet really embarked upon its work.

Glamorgan has decided to raise the leaving age to fifteen. When the question was discussed at Cardiff, it was reported that the raising of the age would mean an increase of £18,000 in the annual expenditure, and a capital expenditure of £100,000. It was, therefore, resolved to defer further consideration of the matter.

Glamorgan has decided to raise the leaving age to fifteen. When the question was discussed at Cardiff, it was reported that the raising of the age would mean an increase of £18,000 in the annual expenditure, and a capital expenditure of £100,000. It was, therefore, resolved to defer further consideration of the matter.

SCOTLAND.

The exceptional interest excited by the annual meeting of the Institute this year was evident from the crowd of delegates and other members who packed the large hall of Moray House, Edinburgh. (Continued on page 744.)

University Correspondence College

(FOUNDED IN 1887.)

Principal: WM. BRIGGS, LL.D., D.C.L., M.A., B.Sc.,
F.C.S., F.R.A.S.



During the last Fifteen Years

6904

Univ. Corr. Coll. Students

have passed the

INTERMEDIATE AND DEGREE

Examinations of

London University

in addition to gaining 5207 successes at Matriculation,
and numerous successes at other Examinations Exempting
from Matriculation.

Some Press Opinions.

"A well-organized Correspondence College, such as that which flourishes under the direction of Dr. Briggs, with its highly qualified and expert teachers, its clerical staff, and well-devised machinery, is a help of the most valuable kind."—**The Schoolmaster.**

"Having been in touch with students of the College for many years, we are convinced that the tuition is practical. **The College Staff is one of remarkable brilliance.**"—**London Teacher.**

"University Correspondence College is doing a splendid work, offering as it does most of the advantages of College or tutorial training to such students as draughtsmen engaged in works in isolated districts where no technical college exists."—**Engineering.**

"A large organization that has developed remarkably upon its inherent merits. The College is doing eminently useful work."—**Educational Times.**

"The well-known University Correspondence College has now gone far in the direction of obtaining a monopoly of the best class of tuition by correspondence."—**Financial News.**

"The most remarkable modern educational institution in the kingdom, the most successful of its kind in existence."—**Publishers' Circular.**

"University Correspondence College is itself, in a sense, entitled to University rank, and in conjunction with London University, it is fulfilling a function of truly national importance."—**Scottish Educational Journal.**

"Of the many institutions which profess to provide tuition by correspondence the University Correspondence College is one of the oldest and it is certainly one of the best and most successful."—**Electrician.**

FREE GUIDES to London University Matriculation, Intermediate Arts, Intermediate Science, B.A., and B.Sc., post free to **Private Students** from the Secretary,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

EVERY READER

of this Journal should secure Geoffrey, Parker, &
Gregg's latest Catalogue (L) of

94 VALUABLE BOOKS

on all branches of Engineering and other professions
and trades.

Your request for complete Catalogue (L),
post free, should be sent to DEPT. L,

GEOFFREY, PARKER, & GREGG,
62 The Mall, Ealing, London, W.5.

The Teachers' Guild of Great Britain and Ireland,

9 BRUNSWICK SQUARE, LONDON, W.C.1.

NOTICE is hereby given that the Thirty-sixth
ANNUAL GENERAL MEETING of the Teachers'
Guild of Great Britain and Ireland will be held
at University College, Gower Street, W.C.1, on
Thursday, January 1st, 1920, at 10.30 a.m., for
the transaction of the following business:—

1. To receive the Annual Report of the Council.
2. The election of a President.
3. The election of a Treasurer.
4. The election of eight general Members of the Council.
5. The appointment of an Auditor.

ALBERT EHRHARDT,
General Secretary.

At the conclusion of the Annual General Meeting, the retiring
President, Canon J. H. B. Masterman, will deliver an Address.

Blackboards cannot become Shiny

in use, if covered with

Proctor's "Defiance" (Trade Mark)
Slate Composition.

THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

Probably it was the prospect of a heated debate on the Minimum National Scale that was the main attraction, but the report that Mr. Emslie's friends intended to put him up for election as president against the Council's nominee also gave zest to the proceedings. The discussion of the scales amply satisfied expectations. After a long debate the meeting ended by refusing to accept the scales issued by the Education Department as a solution of the salary question, and insisting on all existing teachers being placed on the Graduates' Scale. The consideration that dominated the discussion was a sense of indignation at the undue differentiation between graduates and non-graduates. Though there is practical unanimity as to the desirability of all future teachers having a University degree, those who, in the past, have come into the profession through the training colleges, forming the majority of Scottish teachers, resent the penalizing provisions of the scale being made retrospective. As the Minimum Scale has now the force of law, the finding of the annual meeting means that the Institute must approach the Education Authorities in order to secure local modifications of the scale. The Emslie case was more briefly considered. The meeting refused to accept a motion which declared that his dismissal was "an act of gross injustice to him as an individual and a dangerous blow to the teaching profession" and called for his reinstatement. Most of those present seemed to think that his appointment to Speir's School, Beith, made further action unnecessary. His nomination as president secured no greater support, and Mr. T. S. Glover was duly elected.

Everybody present at the meeting was in agreement with the view expressed by Mr. MacGillivray, the retiring president, in the course of his admirable address (which had to be given to the public through the press owing to lack of time for its delivery), that the Institute of to-day, with its 22,000 members, had outgrown the constitution which served at an earlier stage. The annual meeting is supposed to pass in review the work done in the course of the year of the Council, but, with a few outstanding topics monopolizing attention, decisions of the greatest importance had to be accepted without comment or discussion. The policy of the Institute in regard to the supply of teachers required to carry out the provisions of the Munro Act and to the Code of Professional Etiquette—to take two important examples on which there is considerable diversity of opinion—might very profitably have been considered by the meeting, but there was simply no time for their consideration. All this gave point to the proposals submitted by Mr. Hugh MacCallum, the new Director of Studies of the Glasgow Provincial Committee, for the restriction of the number of delegates to the annual meeting to four hundred and the reduction of the Council to a membership of sixty. These proposals, though approved by the annual meeting, have still to go before the Local Associations; but the need for a reduction of numbers in the interests of business efficiency is so generally recognized that this or some similar scheme is likely to find universal acceptance. Apart from questions of size, the only point on which there may be any controversy concerns the powers of the delegates. One section of the Institute is anxious to follow trade union precedents and limit the delegates by instructions from the Local Associations; but, so far, this view has not secured any wide acceptance.

The capable way in which the new Education Authorities have, for the most part, been grappling with the difficulties of a transition time has justified the belief inspiring the Act of 1918, that Scotland would gain greatly by an extension of the area from which her educational representatives were drawn. The fact that most of the Authorities have had the wisdom to select teachers of standing for their executive officers has favourably impressed the teaching profession, and created a basis for better relations than commonly prevailed in the days of the School Boards. The Dumfriesshire Authority, with the view of ensuring the continuance of this good feeling, has established a Joint Committee consisting of seven representatives of the Authority and an equal number of the teachers for the purpose of considering their views upon questions in which the Authority and its teachers are jointly interested. The teachers are to be appointed by the Local Branches of the Institute. This modified form of Whitley Council will, it is to be hoped, be adopted by other Authorities at an early date. The Ayrshire Authority has given a lead, no less important, in another direction, by accepting the principle that non-graduate teachers who give evidence of capacity should reach ultimately the same maximum as the graduates. The only difference made is that, after reaching their own maximum as fixed by the National Scale, they get their increments every second year (instead of every year) until they come to the higher maximum. If this ingenious expedient were accepted by all the Authorities, the salary trouble would probably disappear.

An unexpected result of the "new broom" activities of the Edu-

Religious Instruction.

cation Authorities has been a mild revival of old controversies about religious instruction. A number of the candidates, at the time of the election, put the defence of Bible teaching in the front of their programme. It was a rather silly cry, because, outside an insignificant section of Labour people, no party in Scotland has any desire to upset the present arrangement. But, having constituted themselves defenders of the faith, those returned on this ticket had to do something to justify their election. Generally their zeal has found outlet in insistence on more religious instruction in the secondary schools, where the crowded curriculum has kept the time devoted to religion within narrow limits. Where this has been done with proper regard to the teachers' wishes in the matter, no difficulty has arisen. It is only when all teachers in a school, excepting those who are prepared to court trouble by declaring themselves disinclined, are compelled to take an active share in teaching to a syllabus externally imposed that any objection arises. In one centre the teachers pointed out that they were all specialists, and that those who gave religious instruction to secondary pupils should be specialists too. Over all this there is not likely to be any serious trouble, so far as secondary teachers are concerned, unless, indeed, some Authority is provokingly unwise. That that is not impossible is evident from the fact that the Renfrewshire Authority has made the teaching of the Shorter Catechism compulsory in all its schools, regardless of the growing opinion, not only among teachers but in the community at large, that the Catechism is beyond the capacity of children.

An indirect response to the requests of many of their members for guidance, the Executive of the Institute have issued a statement on the subject. The conviction of the Institute that religious instruction should occupy an important place in the school curriculum, and that the devotional as well as the intellectual aspects of such instruction should be emphasized, is once again affirmed on behalf of the teachers of Scotland, and protest is made against the institution of external examinations.

Following up the arrangements already made for bringing the school medical service under the control of the Scottish Board of Health, the Education Department have issued a circular to the Education Authorities regarding medical inspection and treatment. Why the circular should not have come from the Board rather than from the Department it is difficult to see, since the responsibilities of supervision now rest solely on the Board. Direct relations between the supreme Medical Authority and the Education Authorities would obviously make for simplicity. As it is, the latter are required to submit schemes in duplicate to the Board of Health and to the Department, and the Board are to report later to the Department on the carrying out of the schemes. So far as medical inspection goes, there is to be no great change made meanwhile. The existing schemes, which were those of the old secondary education committees, and therefore on a county basis, are to be continued. The only significant difference is in regard to medical treatment. Hitherto it has been within the option of the bodies concerned whether they would provide treatment in addition to inspection, and only a few did. Now intimation is given that schemes for medical treatment will be required from all the Authorities, and May 15, 1920, is fixed as the date by which these must be submitted.

During the past month four Glasgow lecturers have received professorial appointments. Dr. James F. Gemmill, Research Fellow in Embryology and for many years one of the mainstays of the Millport Marine Biological Station, becomes Professor of Zoology in University College, Dundee. Dr. W. E. Agar, Lecturer in Zoology, goes to the Chair of Biology in Melbourne with a brilliant record of investigations in regard to heredity. Mr. J. H. Jones, Lecturer in Social Economics and Director of the Glasgow School of Social Study, has been appointed to the Chair of Economics in Leeds. Dr. Robert J. T. Bell, Senior Lecturer in Mathematics, has been made Professor of Mathematics in the University of Otago, Dunedin, New Zealand. This raises the number of Glasgow lecturers who have gained professorial rank in the course of the present year to the total of thirteen.

The Rev. Andrew C. Baird, a young Glasgow Minister, has been appointed Professor of Divinity and Biblical Criticism at Aberdeen University.

The sudden death of Prof. James W. H. Trail is announced. Prof. Trail has occupied the Chair of Botany in the University of Aberdeen for forty-two years, having been appointed to it in 1877 at the age of twenty-six. He was a Fellow of the Linnean Society and a Fellow of the Royal Society. Outside his University duties, in which he was untiring, his main interest was in the educational sphere. He was chairman of the old Aberdeen Burgh Secondary Education Committee, a member of the Edu-

(Continued on page 746.)

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

OLD GYMNASIA

Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S

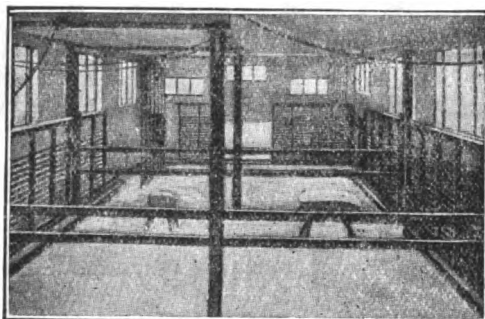
Several Recent Secondary School and Welfare Outfits.

**SCHOOL CLINICAL
APPARATUS**

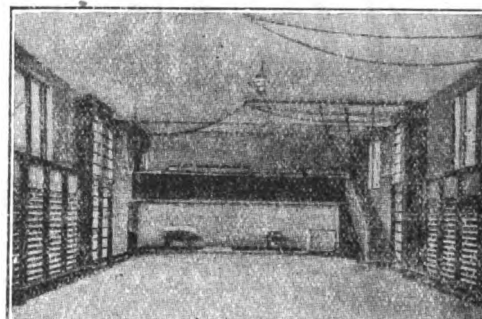
Plinths, Correction Belts, Head Suspension
Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12030.

cation Endowments Trust, and a governor of Robert Gordon's College.

IRELAND.

The Intermediate Education Board have continued their plan this year of publishing only the numbers and not the names of the candidates who won medals, exhibitions, and prizes at their examinations last June. Issued at the end of September, this list may be summarized as follows:—

Boys.					
Senior Grade.	Classics.	Mod. Lit.	Mathe- matics.	Science.	Total.
First Class Exh. (£30).....	4	6	2	5	17
Second Class Exh. (£20) ...	8	7	3	7	25
£3 Prizes	4	10	2	4	20
£2 Prizes	2	1	—	6	9
£1 Prizes	2	6	—	2	10
Total.....	20	30	7	24	81
Middle Grade.					
First Class Exh. (£20).....	6	6	6	6	24
Second Class Exh. (£15) ...	9	9	8	9	35
£3 Prizes	9	32	12	34	87
£2 Prizes	2	10	6	2	20
Prizes	1	11	2	5	19
Total.....	27	68	34	56	185
Junior Grade.					
First Class Exh. (£15).....	10	10	10	10	40
Second Class Exh. (£10) ...	15	15	15	15	60
£3 Prizes	10	26	24	50	110
£2 Prizes	1	9	8	14	32
£1 Prizes	6	15	13	6	40
Total.....	42	75	70	95	282
Total all Grades.....	89	173	111	175	548

GIRLS.

Senior Grade.	Classics.	Mod. Lit.	Mathe- matics.	Science.	Total.
First Class Exh. (£30).....	—	1	1	—	2
Second Class Exh. (£20) ...	—	14	—	3	17
£3 Prizes	—	5	1	2	8
£2 Prizes	—	5	—	1	6
£1 Prizes	—	4	—	1	5
Total.....	—	29	2	7	38
Middle Grade.					
First Class Exh. (£20).....	—	4	3	3	10
Second Class Exh. (£15) ...	—	18	4	5	27
£3 Prizes	—	6	1	1	8
£2 Prizes	—	3	2	1	6
£1 Prizes	—	9	1	—	10
Total.....	—	40	11	10	61
Junior Grade.					
First Class Exh. (£15).....	—	7	8	6	21
Second Class Exh. (£10) ...	—	20	14	3	37
£3 Prizes	—	13	2	—	15
£2 Prizes	—	8	2	2	12
£1 Prizes	—	12	—	8	20
Total.....	—	60	26	19	105
Total all Grades.....	—	129	39	36	204

In addition a fair number of prizes were awarded for composition in all grades. It will be observed that the study of Greek is extinct in girls' schools. Latin is still kept up, as it can be counted as one of the subjects of the second—the Modern Literary—group, which is the most attractive by far of all the groups in these schools. Among boys the two groups, which would be formerly by all, and are still by many, considered as the most important in secondary education—viz., classics and mathematics—come off much worse in awards than the other two.

(Continued on page 748.)

MONTESSORI

Dr. Maria Montessori author of the famous educational method will give a series of three popular lectures.

Kingsway Hall. Nov^r 6th 13th & 20th at 5.45pm.

*Tickets should be secured at once
from M^r C.A. Bang, 20, Bedford St. Strand.
10/6 for the three lectures.*

The Daily Telegraph

VICTORY ATLAS

PARTS 1, 2, & 3

NOW ON SALE

The whole World re-mapped with all the changes determined by the Peace Conference. The affairs of the World have become the affairs of every man, and constant reference to this Atlas is a necessity to all.

Every child should be encouraged to add to his knowledge of the world, and every parent for his own good and the good of those to follow should have the Atlas always available.

The Index Gazetteer, which is being compiled on the basis of this Atlas, will contain over 250,000 names, and will give full particulars as to population, industry, means of transport, political and historical information, &c.

This absolutely new Atlas establishes its superiority on comparison with any other Atlas, and will be the standard and authoritative work of the future.

Completed in about 48 fortnightly parts. — 1/3 net each part.

Order your Bookstall to-day to send you each part as published, or apply to
"GEOGRAPHIA, LTD.," 55 FLEET STREET, E.C.4.

MAXIMUM RESULTS WITH A MINIMUM

OF DRUDGERY CAN BE
 OBTAINED BY USING

'The Ferst Reeder in Simplifyd Speling'

(Edited by a Lecturer in Phonetics)

FIVE MONTHS SAVED:

Children in a Scottish Elementary School who were taught for TEN MONTHS from this Reader and the ordinary spelling for FOUR MONTHS, were as good in reading and spelling as children who had learned the ordinary spelling for NINETEEN MONTHS, and their speech was clearer and better.

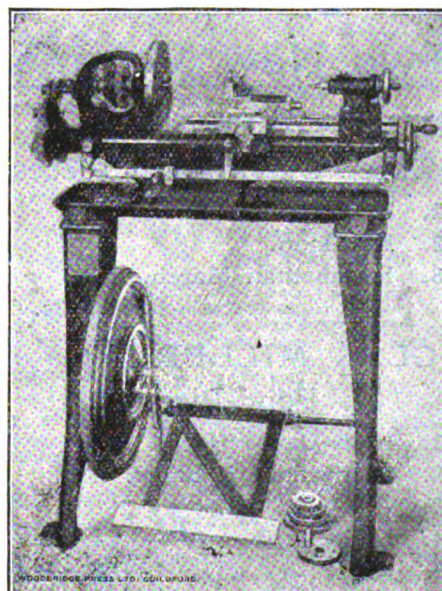
The Reader contains Poetry and Prose, and costs 6d.; but we supply copies at reduced terms to teachers who use the book in their classes.

THE BOARD OF EDUCATION HAVE SANCTIONED EXPERIMENTS WITH SIMPLIFIED SPELLING IN ELEMENTARY SCHOOLS.

SIMPLIFIED SPELLING SOCIETY,
44 Great Russell Street, LONDON, W.C. 1.

DRUMMOND LATHES

Are right at the Front. The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable. DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable. The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work.



As supplied by the British Admiralty.

Catalogues on application to **DRUMMOND BROS., Ltd., VIEW HILL, GUILDFORD.**

At the time of writing there is still no news of the promised Education Bill, and teachers are becoming anxious. One of the Commissioners of National Education, who was formerly a

The Education Bill.

National school teacher, has stated, in writing, his belief that National school teachers will be treated by the Bill with a generosity at least equal to that accorded to the Scottish teachers. There is no similar statement of authority to record about the salaries of intermediate teachers, whose position is far worse, comparatively, than that of National teachers, and who have at present no pensions at all. One can only hope that when they introduce the Bill the Government will take their courage into their hands and go on with it. There is sad need of reform, and the Government know it; or else why appoint, in the summer of last year, two Vice-Regal Committees? National teachers have held meetings in different parts of the country urging that, Bill or no Bill, they should be paid the scale of salaries recommended by the Killanin Committee.

Sir Bertram Windle, President of University College, Cork, is resigning his post at the end of the present session, next June, after sixteen years' service.

Had his wished-for project of raising the College to the status of an independent University been fulfilled, or been likely in the near future, he would have stayed on; but the Government have definitely stated that they have no such intentions at present. Sir Bertram Windle has been President during an important period in the history of the College, in which it ceased to be the Queen's College, Cork, and became a constituent member of the federated National University. During his tenure the College has nearly doubled its buildings, nearly trebled its number of students, and has received donations amounting to over £100,000. His dream has been of a Cork University instead of a University College, which necessitates "incessant, unpleasant, and unnecessary work, and exhausting train journeys." The number of students on the books last session was 620; during the war, of past and present students, 354 served at the Front and twenty-nine died. The President, when he retires, is going to Canada, and will give a series of lectures at the Catholic College of Toronto University, on science and scholastic philosophy.

PRIZE COMPETITIONS.

IN the October competition "Bésigue" and "Catharine" are classed as equal. As the former was awarded the prize in January, the latter will receive it this time.

The winner of the September competition is Miss P. Smith, 28 Moray Place, Edinburgh. We have now received the name of the winner of the Translation Prize for July—viz., Mr. J. B. Fernald, 4 Marlborough Road, N.W.8.

Extract from Michelet's description of a meeting of the Cordeliers' Club.

By "CATHARINE."

Who is that yonder in the chair? In truth, 'tis horror's self! Dreadful is the countenance of this Danton! Is he Cyclops or infernal deity? That face, frightfully pitted with smallpox, with small dark eyes, seems a gloomy volcano. Nay, man he is not; rather the disturbing element itself; wild and whirling exaltation, doom-strokes, hover o'er him. Dismal genius, thou frightest me! Art thou to save or ruin France?

See, his mouth works; the windows rattle. "Marat may speak."

What! This Marat? This yellow creature, green-clad, eyes yellow-grey, and so protruding. . . . Batrachian, not human, its race would seem to be. What swamp has sent us this abortion? Yet there is gentleness in those eyes. Their brightness, clarity, and strangely wandering gaze, looking yet not beholding, present him as a visionary, deceiver yet deceived, claiming the gift of second-sight, a hedge-prophet, vain and especially credulous, believing all things and his own lies above all things—all the unwitting fictions to which his innate extravagance carries him. This cast of mind is due to habits of empiricism: to recollections of his huckstering employment. There will be a dreadful *crescendo*; he needs must discover, invent, proclaim from his gloomy abode a daily miracle at least: must lead his trembling adherents from treason to treason, discovery to discovery, horror to horror.

He thanks the meeting. Then his face lights up. A great and awful act of treachery, a new plot discovered! See, how he loves to tremble and to rouse tremors. See, how the vain and credulous creature is transformed! His sallow skin glistens with sweat.

(Continued on page 750.)

Schott & Co.'s ATTRACTIVE PIANOFORTE ALBUMS

Two New Volumes

NORMAN O'NEILL

Three Old English Pieces

- No. 1. Real Morris.
- No. 2. Rigadoon.
- No. 3. Elizabethan March.

Price 2s. 6d. net.

DOUGLAS MILLER

Four Pieces

- No. 1. Irish Dance (Jig).
- No. 2. Scene from a Ballet.
- No. 3. Air.
- No. 4. Epilogue.

Price 2s. 6d. net.

A Few Favourites

PERCY ELLIOTT

Suite Romantique ... net 2s. 6d.

WALTER BUSH

A Bowl of Fragrance ... net 2s. 6d.

WALTER BUSH

From Dawn to Dusk ... net 2s. 6d.

GODFREY NEWARK

In Sunshine and Shadow ... net 2s. 6d.

HERMAN HUYTS

Clouds over Land and Sea ... net 2s. 6d.

BERNARD JOHNSON

A Deserted Waterway ... net 2s. 6d.

SCHOTT & CO., 48 GREAT MARLBOROUGH STREET, LONDON, W.1.

MODERN CORR. COLLEGE.

Principal:

Mr. A. McALISTER, B.A. (Cantab.), A.C.P.

Guarantee Courses.

For one Fee. Tuition until Successful.

All DEGREES and DIPLOMAS.

B.A. B.Sc. Mus.Bac.

A.C.P. L.C.P. L.L.A.

Froebel.

L.R.A.M. A.R.C.M. A.Mus.T.C.L.

Oxford and Camb. Senior.

Higher Locals.

Certificate—College of Preceptors.

209 Castle Boulevard, Nottingham.**Tutorial Institute****BLOOMSBURY HALL, 26 HART STREET,**

BLOOMSBURY SQUARE, LONDON, W.C.1.

Principal: **J. F. EWEN, M.A., Honours.**

W. T. WALKER, F.G.S., B.Sc. Honours, Medallist of London University.
 R. J. DALLAS, M.A., Wrangler, Scholar King's College, Cambridge.
 O. D. COLLINS, B.Sc. London University, University Prize in Psychology.
 T. REED, A.R.C.S., National Scholar, Lecturer on Botany.
 W. B. EDMONDS, Fellow Royal Geographical Society.
 A. E. ALCOCK, B.A., Wadham College, Oxford.
 Dr. EWEN, M.R.C.S., L.R.C.P.
 Miss E. KENNETT-HAYES, First-Class Higher Froebel.
 Assisted by University Lecturers for Special Subjects.

L.L.A. THE MOST POPULAR DEGREE FOR WOMEN TEACHERS.

The Honours Diploma may now be obtained with five subjects, e.g. Education, Literature, History, Geography, Logic or Mathematics.

1919 RESULTS.—Top Student for Sixth Year in succession at the whole Examination with Double First Class Honours.

The only First Class Honours in Education. Again First Classes in Literature, History, Biblical History, and the only Honours in Logic.

Record number of Successes in Pass and Honours.

OVER HALF OF ALL THE DIPLOMAS credited to Classes.

New Guide to L.L.A. with Official Syllabus for 1920 Free.

N.F.U. HIGHER CERTIFICATE.

ORIGINAL CLASS FOR CORRESPONDENCE.

Top Student at Part I, 1919, for Fifth Year in succession with Firsts in all subjects. All Firsts at Part II and Double First in Teaching and Handwork. New Froebel Guide 1920 Free.

INTERMEDIATE, B.A., MATRICULATION, HIGHER LOCALS.

Honours Cambridge and Oxford last two years. A.C.P., L.C.P., and other Qualifications for Teachers. 22 years' successful experience.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 722.

FRENCH MISTRESS disengaged, Brevet Supérieur, seeks post in good School this term or January. Experienced teacher, very successful in all examination work. Excellent references. Address—No. 10,509.*

TWO MISTRESSES require posts together after Christmas. (1) Arithmetic, Algebra, Geometry, to London Matriculation; subsidiary subjects, usual English, French, elementary Latin. (2) Usual English subjects to Junior Local; subsidiary subjects, elementary French, Botany, and Algebra. Address—No. 10,910.*

POST as LADY SUPER-INTENDENT or **LADY MATRON-HOUSEKEEPER**, required after Christmas, in an Institution, Training College, or large Boarding School. Thoroughly experienced in care of health and all household management. Good caterer and organizer. Excellent testimonials. Would undertake entire management. Good salary. Address—No. 10,911.*

YOUNG FRENCH GIRL wants a post for January "au pair" in a school. Working surroundings or Surrey. Address—No. 10,912.*

FRENCH MISTRESS, highest references, seven years' experience mixed secondary school, wishes to find similar post now or Xmas. Conversation, reading, literature, grammar, elementary Spanish. Address—No. 10,914.*

YOUNG FRENCH GIRL TEACHER in an English school wants a post "au pair" in school or family for Christmas holidays. Address—No. 10,915.*

LADY, L.R.A.M., requires post in January, London or district preferred, resident or non-resident. Piano, harmony, form of music, class-singing, elementary violin. Long experience.—Miss WITTY, 39 Church Road, Lytham.

Posts Wanted—continued.

MUSIC MISTRESS desires in January visiting or non-resident post in or near London district or Gravesend. L.R.A.M., A.R.C.M. Experience in public and private schools. —Miss SIMMONDS, Bookham, Darnley Street, Gravesend.

MUSIC MISTRESS (25), First-class R.A.M., experience senior work in good schools, success in all examinations—Mathay method. Bates for choral—desires post in or near London. Resident or visiting. Address—No. 10,916.*

SECRETARYSHIP to Head Mistress or similar post required after Christmas. London, non-resident. Address—No. 10,918.*

LADY (B.A. Lond.) desires responsible post in good Private School, with or without view to partnership. Scripture, Mathematics, Classics, some English subjects. Address—No. 10,921.*

RESIDENT VICE-PRINCIPAL SHIP in good-class School or non-resident work as Lecturer in History. Other subjects. Qualified, registered, certificated. Excellent experience. Work preferred not lower than Oxford Senior. Address—No. 10,923.*

PREPARATORY MISTRESS, Higher Froebel Certificate, seven years' experience in High School, requires non-resident post in school or family after Christmas. Address—No. 10,924.*

WANTED now, post by **FORM MISTRESS, M.A. (Edin.)**, trained teacher, 3 years' High School experience. Address—No. 10,925.*

LADY, trained, registered, and experienced with boys, good disciplinarian, seeks post in good-class School near London where week-ends are free. Mathematics, French and English up to Scholarship standard. Excellent references. Address—No. 10,930.*

Posts Vacant.

WANTED, to teach Botany, Chemistry, Physics, MISTRESS with University Degree. Address—No. 10,393.*

ASSISTANT (Lady) wanted, October, for Women's Physical Education Training College, McGill University, Montreal, Canada. Competent to teach Remedial Gymnastics. Theory and Practice of Massage, elementary Gymnastics, Theory of Movement, and Hygiene. Salary £250 non-resident. For further information apply to Address—No. 10,906.*

TYPEWRITING.

TESTIMONIALS, 6d. per dozen. **MANUSCRIPT**, 8d. per 1,000 words. Examination Papers. Perfect work. — M. GLENISTER, 3 Friern Park, N. Finchley, N.12.

WHITE LANDS TRAINING COLLEGE, CHELSEA (Church of England). Wanted, in January, a Resident **SCIENCE LECTURER** (Botany and Nature Study). Degree, Teaching Diploma, experience. Salary £140 to £210, according to experience. Apply to SECRETARY for form of application, which must be returned by Nov. 8th.

WANTED, at once, a thoroughly trained **TEACHER of COOKERY**, accustomed to catering for large numbers—good disciplinarian—for an English Household School (50 students) in Denmark. Apply, stating age, qualifications, and salary required to Countess RAHNE-LEVETZAU, The English School, Nysted, Denmark.

WANTED to learn conversational French, from English-knowing French Girl, through correspondence once a week. Apply with terms to D. D. B. DINSHAW, Chinoy Mansions, Ground Floor, Colaba, Bombay.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

Considerations of space compel us to cut our notes short this month. "Bésigue's" version was the more accurate and even, "Catharine's," the more spirited, though we suspect that some of her phraseology will not commend itself to all our readers. Both started with a mistake; grammar and context alike require "what" for *qu'est-ce qui*. The sentence beginning "ses habitudes d'empirique" was the most difficult stile. We suggest: "His habits of life as a quack doctor and his practice as a cheap-Jack produce this trick of mind." The prize-winner apparently forgot that Marat carried on a newspaper: *cave* is the "cellar" where it was printed, and *abonnés* the "subscribers."

We classify the 80 versions received as follows:—

Class I.—(a) Catharine, Bésigue, Pre, Garnet, Boy, M.M., Amba, Ardeonaig.

(b) T.T., Priscilla, Jolande, Filia, Calvus, Mamble, Primrre, Gilbey, Nailil, Sarnia, Elise, Outis, Hesperus, Senex, Kodé, E.A.N.

Class II.—Playshaw, Civitas, Nil Desperandum, Pentire, A.S.C., Borealis, Menevia, B.G.T., Parade, Scarlet Pimpernel, White Heather, Ilex, Good Luck, Carlyle, Chymyny, Girondin, M.T.A., Richmond, Borderer, Llanandras, Sirach, Excelsior, W.W.M., C.R.S., Myrtille, Somewhen, Nibbidard, Novice, Bis, Aurora.

Class III.—M.M.M., Marie Antoinette, Anglaise, Maude, H.M., Aries, Serbia, Victoria, N.D., Candidus, Alan, Sylvie, Duchess, Avignon, Nautilus, Terpsichore, Genita, Presbyter, F.B., Pérance, Woodville, Fawcett.

Class IV.—Ella, Tom, Hermia, E.S.

A Prize of Two Guineas is offered for the best translation of the following extract from Renan's "L'Antéchrist":—

La manie furieuse de Néron était arrivée à son paroxysme. C'était la plus horrible aventure que le monde eût jamais connue. L'absolue nécessité des temps avait tout livré à un seul, à l'héritier du grand nom légendaire de César; un autre régime était impossible, et les provinces, d'ordinaire, se trouvaient assez bien de celui-ci; mais il recélait un immense danger. Quand le César perdait l'esprit, quand toutes les artères de sa pauvre tête, troublée

par un pouvoir inouï, éclataient en même temps, alors c'étaient des folies sans nom. On était livré à un monstre. Nul moyen de le chasser; sa garde, composée de Germains, qui avait tout à perdre s'il tombait, s'acharnait autour de lui; la bête acculée se baugeait et se défendait avec rage. Pour Néron, ce fut quelque chose à la fois d'épouvantable et de grotesque, de grandiose et d'absurde. Comme le César était fort lettré, sa folie fut principalement littéraire. Les rêves de tous les siècles, tous les poèmes, toutes les légendes, Bacchus et Sardanapale, Ninus et Priam, Troie et Babylone, Homère et la fade poésie du temps, ballottaient comme un chaos dans un pauvre cerveau d'artiste médiocre, mais très convaincu, à qui le hasard avait confié le pouvoir de réaliser toutes ses chimères. Qu'on se figure un homme à peu près aussi sensé que les héros de M. Victor Hugo, un personnage de mardi gras, un mélange de fou, de jocrisse et d'acteur, revêtu de la toute-puissance et chargé de gouverner le monde. Il n'avait pas la noire méchanceté de Domitien, l'amour du mal pour le mal; ce n'était pas non plus un extravagant comme Caligula; c'était un romantique consciencieux, un empereur d'opéra, un mélomane tremblant devant le parterre et le faisant trembler, ce que serait de nos jours un bourgeois dont le bon sens aurait été perverti par la lecture des poètes modernes et qui se croirait obligé d'imiter dans sa conduite Han d'Islande et les Burgraves. Le gouvernement étant la chose pratique par excellence, le romantisme y est tout à fait déplacé. Le romantisme est chez lui dans le domaine de l'art; mais l'action est l'inverse de l'art.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on November 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

THE NATIONAL COUNCIL OF WOMEN

Parliament Mansions, Victoria St., London, S.W. 1

Has extended its

BOOK & PAMPHLET DEPARTMENT

and is now prepared to supply books on all subjects of interest to women.

Call at the Office when in London.

Literature for sale at meetings supplied.

Orders by post promptly attended to.

Book lists supplied on receipt of stamped and addressed envelope.

TEACHERS OF GEOGRAPHY. ASSOCIATE, R.S.G.S.

With the object of helping to promote the teaching of Geography in Schools, "Teacher Associates" are admitted to certain privileges of the Royal Scottish Geographical Society at the reduced subscription of Half-a-Guinea. The privileges are limited to the use of the Society's Rooms, receipt of the Quarterly Magazine, the right to borrow from the Library, and one ticket for the Society's meetings. The Magazine will also be sent on the same terms to any School or College on receipt of a signed application from its Head. Prospectus and Syllabus of lectures may be had on application to the SECRETARY, Synod Hall, Castle Terrace, Edinburgh.

PARTNERSHIPS & TRANSFERS.

LADY wishes to purchase Girls' School. £3,000.—
The Bureau, 1 Sicilian House, W.C. 1.

PREPARATORY SCHOOL PARTNERSHIP,
WANTED BY CAMBRIDGE GRADUATE.
£4,000 would be paid down, and probably more later on. The School must be situated on or near the South Coast, or at a residential place such as Malvern or Leamington or Tunbridge Wells. Advertiser would also consider buying School outright.—Address: "CANTAB," The Bureau, 1 Sicilian House, London, W.C. 1.

SCHOOLS FOR TRANSFER in various districts.
—The Bureau, 1 Sicilian House, W.C. 1.

EDUCATIONAL & SCHOLASTIC BUREAU, Sicilian House, W.C. 1.

Graduates and others introduced to Schools and Private Families. This department is under the management of a Registered Teacher of wide experience, and clients may rely upon prompt and courteous attention.

THE SECONDARY, TECHNICAL AND UNIVERSITY TEACHERS' INSURANCE SOCIETY

(The S.T.U.T.I.S.)

Registered under the Friendly Societies Act, 1896. Regd. No. 1424 London.
Approved under the National Insurance Act, 1911. Approval No. 261.

Chairman: Sir JOHN D. McCURE, LL.D., M.A.

All persons whose main work is teaching other than in Public Elementary Schools are eligible for membership of this Society.

STATE SECTION:—

The forthcoming Valuation will, it is expected, show that this Section is in a very strong position and that valuable additional benefits will be able to be offered to its members.

Members who have been insured for at least two years, and who are passing out of Insurance in consequence of the Superannuation Act, or of larger salaries, are entitled to become *Voluntary Contributors*, and thus share in the Additional Benefits which they themselves have helped to create.

DIVIDEND SECTION:—

This Section is independent of the State Section and is for the insurance of those teachers to whom the Insurance Act does not apply, or *who desire additional benefits*. It possesses the advantage of a Savings Bank (by the creation of Own Funds and Deposit Accounts), and offers at a very low cost Sick Benefits up to £3 3s. per week. Hitherto about two-thirds of the members' annual contributions have been returned to them each year by being placed to the credit of their Own Funds.

For information apply to the SECRETARY,
10 Mecklenburgh Square, London, W.C.1.

The Future Career Association.

(Established 1904.)

CONVEYANCING DEPARTMENT.

This Department is now under the direction of **Mr. F. C. NEEDES, B.A.**, whose experience, advice, and assistance are unreservedly placed at the disposal of **Publishers** free of charge.

TRANSFERS and PARTNERSHIPS arranged by correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

An **unusual opportunity** offers itself to a young energetic lady of good social position, with educational qualifications, to acquire a **partnership** in one of the best **Girls' Schools** near London. Sound investment, but monetary consideration of secondary importance.

FOR SALE (*inter alia*).

- 1.—**Ladies, possessed of capital and good educational qualifications** and experience, can hear of an excellent opportunity of acquiring a **good class and exclusive Boarding School** for Girls, with an income of about £10,000 p.a., and situate in most beautiful premises and grounds.
2. **North of England.—Flourishing Good Class Girls'—**Estab. 40 years. 22 Day Boarders. Fees £3 a term plus tuition fees. 141 Day. Fees from £2 7s. to £4 a term. Receipts 1918, £1,786. Net profits £562. Good premises—vendor's freehold—will sell for £1,450, mortgage arranged or will let. School has a splendid connexion and has a good reputation. Goodwill about £800. School furniture, &c., at valuation. Excellent chance for two or more ladies.
3. **Kent.—Flourishing Good Class Girls'.**—Situate in good Premises and Grounds. 18 Boarders. Fees 22 and 25 guineas a term. 100 Day Pupils. Fees 4½ and 6 guineas a term. K.G. (mornings only), 3 guineas a term. Receipts about £2,400. Vendor, who is retiring from the profession, will accept one term's Capitalisation Fees, and sell the School furniture, &c., at valuation. Personally investigated and highly recommended to any lady or ladies of good educational experience.
4. **West of England.—Flourishing Girls' Good Class Day.**—Connexion of about 50 Pupils. Receipts over £1,200 per annum. Good premises with every accommodation. Moderate rent. Goodwill £400 cash, or £500 by instalments. Furniture at valuation. Boarders might be transferred to suitable purchasers.
5. **To Principals on the South Coast** with good Schools and Premises.—A Lady, able to bring with her about 20 Pupils, all at good Fees, wishes to purchase a first-rate Girls' Boarding School situate in good premises and grounds, or will **amalgamate**.

53 VICTORIA ST., WESTMINSTER, S.W.1.

Telephones: Victoria 4168 and 5942.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 749.

BUCKS EDUCATION COMMITTEE.

TEACHER of PHYSICAL EXERCISES required, in January, for Secondary and Elementary Schools. Good cyclist. Salary £150—£10—£220. Allowance for previous experience. Apply, with full particulars, before 15th November, 1919.

C. G. WATKINS,
Education Office, Aylesbury.
13th October, 1919.

UNIVERSITY OF BRISTOL.

APPLICATIONS are invited from University Graduates for the post of SUPER-INTENDENT of a small hostel for women to be opened shortly for students of the Teachers' Training Department.

Applications should be addressed to the REGISTRAR, from whom particulars of the appointment may be obtained.

SWANSEA TRAINING COLLEGE.—Wanted in January:—

- (1) A resident MUSIC MISTRESS;
- (2) A resident TEACHER of HYGIENE and NEEDLEWORK. Salary £200 (or more) rising by £10 a year to £300.

Particulars and application forms may be obtained from the PRINCIPAL.

ST. JOHN'S ROYAL LATIN SCHOOL, BUCKINGHAM.—Wanted, November, MATHEMATICAL MASTER (Graduate). Salary £160 by £10 to £230, then by £15 to £350. Initial salary may be increased by £10 for each year's experience (up to five) in approved secondary schools. War service counts as approved service. Apply—HEAD MASTER.

UNIVERSITY OF MANCHESTER.—The Council is about to appoint two ASSISTANT-LECTURESHIPS in GERMAN. Salary at not less than £200, according to qualifications. Applications should be sent not later than the 17th November to the REGISTRAR, from whom further particulars may be obtained.

Posts Vacant—continued.

BURNLEY EDUCATION COMMITTEE.

BOYS' GRAMMAR SCHOOL
Head Master: H. L. JOSELAND, M.A.

The Governors invite applications for the following post:—

FORM MASTER. Subjects: Latin, with subsidiary English and English History. Commencing salary according to Scale.

Forms of application, copy of Scale, &c. will be forwarded on receipt of a stamped addressed foolscap envelope.

Application should be made as soon as possible to the DIRECTOR of EDUCATION, Education Office, Burnley.

A. R. PICKLES,
Educational Office, Burnley. Director.
10th October 1919.

BURNLEY EDUCATION COMMITTEE.

BOYS' GRAMMAR SCHOOL
Head Master: H. L. JOSELAND, M.A.

The Governors invite applications for the position of FORM MASTER, chief subject History, with some English, to commence January, 1920. Salary:—

- (1) SENIOR MASTER from £215 to £350.
- (2) JUNIOR MASTER from £165 to £350.

Commencing salary will be fixed according to qualifications and experience.

Form of application will be forwarded on receipt of a stamped addressed foolscap envelope.

Applications should be returned as soon as possible to the DIRECTOR of EDUCATION, Education Office, Burnley.

A. R. PICKLES,
October 22nd, 1919. Director.

TYPEWRITING.—Authors' MSS., Examination papers, Letters, Circulars, general copying, duplicating, &c.—J. TRIMNELL, 8 Moira Terrace, Cardiff.

THE HORTICULTURAL COLLEGE, SWANLEY, KENT.—Wanted, in January, SCIENCE MISTRESS to teach Botany and direct the Scientific Department. Preference given to London B.Sc. degree, and to candidates with some experience in Horticulture. Salary from £200 with residence. Apply—The PRINCIPAL.

Posts Vacant—continued.

MONMOUTHSHIRE TRAINING COLLEGE, CAERLEON.

Applications for admission to the above-named Training College in September, 1920, are now being received. There will be a large number of vacancies for Certified Teachers desiring to pursue a One Year's Course, and for candidates already possessing University degrees who wish to take a year of professional training. Applicants should apply, stating their cases fully, to the PRINCIPAL, Training College, Caerleon, Mon.

MONMOUTHSHIRE TRAINING COLLEGE, CAERLEON.

A Resident LECTURER in GEOGRAPHY is required at the above College; scale of salary £200, rising by increments of £10 to £280, and then by increments of £20 to £400 per annum, with board, residence, and medical attendance during College terms. Previous experience will be taken into account in fixing the initial salary. Full particulars may be obtained from the PRINCIPAL, Training College, Caerleon, Mon.

C. DAUNCEY,

County Hall, Newport, Mon. Clerk to the Governors.

WANTED.—GYMNASTIC MISTRESS (of recognized Training College), to take a few visiting posts in Manchester area. Good salary. Apply—1 Trainingham Road, Brooklands, Cheshire.

LECTURERS in Education, Geology, and Geography (combined), to take charge of respective departments and Chemistry, assistant to professor, wanted at Natal University College by February next. Salaries: first two £400 to £500; the other £350 to £450. Two years' probation; then increments of £25 a year up to maximum. War bonus payable immediately as extra; married £78 single £18 per annum. Passage allowance £40. Applications to REGISTRAR, Natal University College, P.O. Box 375, Pietermaritzburg, Natal.

ASSISTANT MISTRESS required in January for girls' boarding school to teach Mathematics, Latin, some English. Degree or equivalent.—Byculla, Southsea.

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Scholasque, Weststrand,
London.

SCHOOL TRANSFER DEPARTMENT.

Telephone:
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Wales.—Middle-class Boarding and Day School. Gross receipts past year £1,884. No. of Boarders 44, and 108 Day Pupils. Rent £120. Goodwill and School furniture £500.—No. 7,012.

Northants.—Successful Boarding and Day School. 154 Pupils, 47 of whom are Boarders. Prospectus terms about £50 for Boarders, and 2 to 4 guineas for Day Pupils. Any reasonable sum will be accepted for Goodwill, as the vendor must give up owing to death in family and other domestic reasons.—No. 7,016.

Devon.—Good-class Boarding and Day School. Gross receipts £1,300. No. of Boarders 15. Fees about £70. No. of Day Pupils 20. Fees 3 to 5 guineas. Rent £54. Vendor would accept one term's fees for Goodwill. School furniture £275.—No. 7,001.

Sussex.—Good-class Boarding and Day School. Gross receipts about £1,454. No. of Boarders about 22, and about 25 Day Pupils. Goodwill one term's fees. School furniture at valuation.—No. 7,011.

Hants.—Partnership in Boarding and Day School. 120 Pupils, 16 of whom are Boarders. Gross receipts about £1,500. Very nice premises. Terms of Partnership to be arranged.—No. 7,005.

Lancs.—Preparatory School for Girls and Kindergarten. Boys up to 10 years of age received. Gross receipts past year £603. No. of pupils 72. Rent only £55. Goodwill £200. Furniture at valuation.—No. 7,009.

Yorks.—Preparatory School for Boys. Established 35 years. Gross receipts past year £657. Net profit past year £200. Number of pupils 44, paying 3 to 5 guineas per term, without extras. Rent of good house with garden and play ground, only £60. Majority of boys are prepared for Public Schools. Price for Goodwill £400.—No. 7,016.

Somerset.—For disposal, owing to vendor having lost her eyesight, good class Day School for Girls. Conducted by present Principal 30 years. Gross receipts past year £900. Number of pupils, 30. Rent of large, well-situated house, with accommodation for boarders, £110. Price for Goodwill, school, and household furniture 500 guineas, or near offer.—No. 7,008.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £500. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 7,015.

Hants (Seaside).—Partnership in flourishing Boarding and Day School for Girls. Vendor wishes to retire after 20 years, having acquired a competency. Gross receipts past year £3,725 15s. Net profit about £600. There is a waiting list for Boarders for next term. Price for half-share of Goodwill £500. Furniture at valuation.—No. 7,007.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past year £369. 15 boarders, 35 day pupils. Rent of fine large, detached house, built for a school, and standing in its own grounds, £80. The low sum of £300 will be accepted for Goodwill. Furniture at valuation.—No. 7,020.

Hants (Seaside).—Girls' Boarding and Day School. Gross receipts £1,338. No. of Boarders 12, and 56 Day Pupils. Rent £80. Price for Goodwill £500 or near offer. School and household furniture at valuation.—No. 7,000.

Herefordshire.—Girls' Boarding and Day School with Kindergarten Department. Gross receipts about £1,400. No. of Boarders 24, and 10 Day Pupils. Rent of three houses £220. The vendor would accept one term's fees for Goodwill. Furniture at valuation.—No. 7,077.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 751.

BRIGHTON MUNICIPAL TRAINING COLLEGE FOR WOMEN.

The Education Committee invite applications for the post of WOMAN PRINCIPAL of the above College.

Candidates must be graduates of some University of the United Kingdom, and should be not more than 45 years of age.

Salary £475 to £600 non-resident. Applications must be made on the official forms to be obtained from the undersigned, and must be returned not later than first post on Monday, November 10th, to F. HERBERT TOYNE, 54 Old Steine, Brighton.

IPSWICH—THE GIRLS' HIGH SCHOOL (G. P. D. S. T.)—THIRD FORM MISTRESS wanted in January. General English subjects and some Mathematics. Apply to the HEAD MISTRESS.

BILSTON EDUCATION COMMITTEE.

Applications are invited from ASSISTANT TEACHERS for Appointments in provided and non-provided Schools.

Forms of Application and Scale of Salaries may be obtained from the undersigned.

F. O. BEECH,

Education Office, Secretary,
Town Hall, Bilston.

SECONDARY SCHOOL FOR GIRLS, EAST DEREHAM, NORFOLK.—Wanted, in January, 1920, MISTRESS to teach History and Latin up to Higher Certificate Standard. Degree and experience essential. Salary according to scale £150—£260, with allowance for experience. Apply—HEAD MISTRESS.

MARY DATCHELOR SCHOOL, CAMBERVELL, S.E. 5.—Wanted, in January, 1920, for two terms, a Mistress to teach Geography and English. Logic a recommendation. Salary according to qualifications and experience on L.C.C. Apply, before November 15th, to the HEAD MISTRESS.

Posts Vacant—continued.

CITY OF SHEFFIELD EDUCATION COMMITTEE.

CENTRAL SECONDARY BOYS' SCHOOL. Principal: Mr. J. W. ILIFFE, M.A. (Cantab.).

Wanted, two MASTERS, well qualified to teach French, one of whom must also be able to teach Elementary German. A knowledge of English, Spanish or Russian, a recommendation in each case.

Initial salary: according to qualifications and experience, minimum £180 per annum, rising by annual increments of £10 to £290 per annum. Scale under revision. A War Allowance is also payable to the 31st October, 1920. (Teachers without Dependents £20 per annum; with Dependents £40 per annum).

Forms of application may be obtained from the undersigned.

PERCIVAL SHARP,
Director of Education.

Education Office, Sheffield,
15th October, 1919.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

BINGLEY TRAINING COLLEGE.

APPOINTMENT OF LECTURER IN ENGLISH.

The West Riding Education Committee invite applications for the appointment of LECTURER in ENGLISH at the Bingley Training College. Candidates must be women and must hold a University Degree or its equivalent. Initial salary £230—£270, non-resident, according to qualifications and experience, rising by annual increments of £10 to £380 per annum. Further particulars and forms of application may be obtained from the EDUCATION DEPARTMENT (Secondary Branch), County Hall, Wakefield.

Last day for the receipt of applications Monday, November 17th.

TYPEWRITING and Duplicating, MSS., &c.; accurate, prompt.—MILNER, 18 Cardigan Street, Cardiff.

COWLEY GIRLS' SCHOOL, ST. HELENS.

(Endowed, Secondary, 400 Pupils). Required, in January, highly qualified MISTRESS to teach Botany and Zoology in the Advanced Course. Honours Degree indispensable. Initial Salary to experienced Mistress £250. Letters of Application should give full details of education and experience. Apply: HEAD MISTRESS.

Posts Vacant—continued.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR GIRLS, SITTINGBOURNE.

Wanted, in January, an ASSISTANT MISTRESS to teach French as chief subject, and some Latin or English.

Initial salary £130 to £180 according to qualifications and experience, rising to a maximum of £220 or £320.

Forms of application and further particulars may be obtained from Mr. P. WARD, 90 High Street, Sittingbourne, and should be returned to the HEAD MISTRESS, County School for Girls, Sittingbourne, as soon as possible.

E. SALTER DAVIES,

20th October, 1919. Director of Education.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR GIRLS, GRAVESEND.

Wanted, in January, two MISTRESSES to teach Mathematics. One, at least, should hold an Honours Degree, first or second class, and be capable of organizing the subject throughout the School, and of teaching it as a subsidiary subject in an Advanced Course. It would be an advantage if one of them could help in the teaching of Religious Knowledge.

Initial salary from £140—£250, according to qualifications and experience, rising in accordance with the Committee's Scale.

Applications should be made at once to the HEAD MISTRESS.

E. SALTER DAVIES,

17th October, 1919. Director of Education.

WELLINGTON DIOCESAN

SCHOOL, NEW ZEALAND.—Wanted, in February, TWO MISTRESSES. English, History, Mathematics, Latin, French, State subjects offered. Churchwoman essential. Passage out on three years' agreement. Salary from £120 resident. Conditions excellent. Apply—Miss LETTS, 27 Lissenden Mansions, Highgate Road, N.W. 5.

EDGBASTON HIGH SCHOOL

FOR GIRLS, 34 Haeley Road, Birmingham.—Wanted, in January, a non-resident ASSISTANT MISTRESS to teach Latin and Mathematics Honours degree essential. Salary from £180. Apply to the HEAD MISTRESS.

THE JOINT AGENCY FOR WOMEN TEACHERS,

OAKLEY HOUSE,

14, 16, and 18 BLOOMSBURY STREET, LONDON, W.C.1.

Teachers seeking Posts in Public and Private Schools and Training Colleges for January 1920 should apply at once to the Registrar. Governesses seeking Private Posts are also invited to enter their names on the books of the Agency.

The following are selected from the posts vacant:—

MATHEMATICS AND SCIENCE.

- Public School in Lincs. Botany, Zoology, Honours or good Pass degree. Salary scale: £150—£10—£300. JA 17845
- Public School in Lancs. Senior Mathematics Mistress. Honours degree. Initial salary £250. JA 18458
- High School in London, S.W. Physics, Mathematics, some Botany desirable. Cambridge or London degree, or Higher Local. JA 18685
- Church High School in Cornwall. Mathematics, and if possible Commercial subjects and Junior Form work. Salary £100 resident. JA 18939
- High School in Herts. Mathematics. Cambridge or London Honours. Initial salary £160 to £170. JA 18941
- County High School in Essex. Science, especially Chemistry. JA 18945
- Public School in Northumberland. (1) Mathematics. Advanced Course. Honours degree. (2) Mathematics. Science, if possible Geography. Pass or Honours degree. Minimum salary £158. JA 18958 & 18959
- Boys' Public School in Northants. Mathematics, some Physics. Graduate salary scale: (£150—£240)—£10—£300. JA 18981
- High School in West of England. Senior Mathematics. Salary from £200. JA 18986
- County High School in Essex. Mathematics. Salary scale: (£165—£190)—£12—£265. JA 18987
- Public School in Wiltshire. Mathematics. Good salary. JA 18998
- Public School in Surrey. Good Botany, German or English. Churchwoman. Salary £80—£100 resident. JA 18999
- Boys' Public School in Kent. Mathematics. Salary about £220 non-resident. JA 19001
- Public School in Staffordshire. Botany. Salary scale: £160—£10—£220—£15—£340. JA 19013

GEOGRAPHY.

- Public School in West of England. Geography, and elementary Botany and Physics. Salary from £150. JA 18985
- Public School in Lancashire. Geography, Mathematics or Botany. Salary scale: Graduate, £160—£350; Non-Graduate, £120—£200. JA 18992
- High School in Surrey. Geography, Scripture for Senior Forms. Salary scale: Graduate, £150—£320; Non-Graduate £120—£250. JA 18994

CLASSICS.

- Public School in Scotland. Classics. Honours degree, training or experience. Salary £160—£180, rising to £220. JA 17871
- Public School in Kent. Latin, some Greek, Scripture. Non-conformist. Salary from £100 resident. JA 18932
- Public School in Berkshire. Classics. Oxford or Cambridge qualifications. Churchwoman. Salary from £100 resident. JA 18956
- High School in Cornwall. Classics, Scripture, Church History. Initial salary £180—200. JA 18973

HISTORY AND ENGLISH.

- Mixed School in Isle of Man. History. Honours degree. Salary £250 non-resident. JA 18775
- Public School in Yorkshire. English Language and Literature. Honours degree preferred. JA 18975
- Boys' Public School in Northants. History. Salary scale: Graduate, £150 to £300; Non-Graduate, £130 to £220. JA 18982
- Public School in Kent. History, Classics. Degree and training or experience. Nonconformist preferred. Salary £85 to £90 resident, rising to £130. JA 18995

MODERN LANGUAGES.

- High School in Lancashire. French for Advanced Course. Honours degree and experience. Salary £200—£250, rising to £300. JA 18656
- Mixed School in Isle of Man. French. Honours degree and experience. Initial salary £250 non-resident. JA 18774
- Mixed School in South of England. French. Form work. Salary scale: Graduate, £150—£10—£300; Non-Graduate, £130—£10—£220. JA 18791
- Grammar School in Lincolnshire. French advanced Course. Salary scale up to £360 for advanced Course work. JA 18807
- County School in Kent. French. Salary about £210. JA 18971
- Secondary School in Sussex. French, English, Games. Salary scale: £180—£350. JA 18979
- High School in Lancashire. French, German. Salary scale: Graduate, £160—£350; Non-Graduate, £120—£200. JA 18990
- Public School in Surrey. German, English, Botany. Churchwoman. Salary £80—£100 resident. JA 19000
- Public School in Scotland. French. Degree. Salary £160—£200, rising to £250. JA 19008
- High School in Midlands. Help with French, Middle School Latin. JA 19011

FORM POSTS.

- Public School in Yorkshire. Form III or IV. Geography or French, or both. Games and Needlework. Salary £80—£100 resident. JA 18101
- Boys' School in Yorkshire. General subjects for boys of 8 to 12 years. Degree or Froebel Certificate. Initial salary £180, rising to £200. JA 18708
- High School in London, S.E. Middle School Form Arithmetic and Geography. Churchwoman. JA 18848
- Boys' School in Lancashire. Subjects for boys 8 to 10. Experience or training. Salary from £160 or £180. JA 18878
- High School in Cheshire. Middle School. Art and Mathematics desirable. Salary scale: £140—£10—£210. War Bonus. JA 18891
- Public School in Staffordshire. Middle Form. General subjects. Mathematics, Latin. Churchwoman. Salary £60 resident, rising to £120. JA 18934

High School in Suffolk. Form III. General English and Mathematics. JA 18977

Public School in Somerset. General Form work. Junior Mathematics, French, Games. JA 19002

High School in Cheshire. Junior School. JA 19016

KINDERGARTEN & LOWER SCHOOL.

- Girls' High School in Northumberland. Assistant in Kindergarten and help in Boarding House. Salary from £50 resident. JA 18907
- Girls' High School in Lancs. Kindergarten class, ages 4 to 7. Drawing or Singing. JA 18993
- Girls' High School in Yorks. Form I, elementary Latin desirable. Salary £140 to £160 initial. JA 18997
- Girls' High School in Lancs. Kindergarten and Form I, 5 to 10 years. Salary £50 to £75 resident. JA 19006
- Girls' High School in Yorks. Form I. Two terms, possibly permanent. Salary from £170. JA 19012
- Girls' High School in Cheshire. Kindergarten and Junior Form. Handwork. Salary scale: £150—£200 by £20 to £250. JA 19021
- Girls' High School in Surrey. Form ages 10 to 12½. Initial salary £130 resident. JA 19023

PRIVATE SCHOOL POSTS.

- Private School in Surrey. French and German. Good qualifications. Salary £110 to £130 resident. JA 18134
- Private School in London, N.W. Form III or Lower IV. Good English desirable. Salary £80 resident or £120 non-resident. JA 18905
- Private School in Norfolk. Arithmetic, Mathematics, Botany, Geography. Salary £100 resident. JA 18914
- Private School in Surrey. Good French, History. Salary from £80 resident. JA 18970
- Private School in Yorkshire. Form post. French. Resident post. JA 19005
- Private School in Lancashire. Form II or III. Salary £50 to £75 resident. JA 19007
- Private School in Sussex. Geography and Mathematics. Resident post. JA 19020

GYMNASTICS, MUSIC, ART, DOMESTIC SCIENCE.

- County Secondary School in London, N.W. Gymnastics. Bedford training preferred. JA 18886
- Public School in Staffordshire. Piano, help with Organ and Choir. Churchwoman. Salary £80 resident. JA 18953
- Public School in Yorkshire. (1) Piano. Salary from £90 resident. (2) Needlework, Cookery. Salary from £80 resident. JA 18966 & 18967
- Grammar School in Herts. Art, some subsidiary subject. Salary about £150 non-resident. JA 18974
- County School in Essex. (1) Drawing, Nature Study desirable. (2) Physical Exercises. Salary scale: £140—£180—£10—£225. JA 18998

Teachers who would like to apply for any of these posts should write at once to the Registrar for the Regulations of the Agency and enter their names without delay. **Reference to a post must be made by number.**

No Registration Fee is charged to Members of the following Societies:—

THE TEACHERS' GUILD, ASSOCIATION OF ASSISTANT MISTRESSES, THE COLLEGE OF PRECEPTORS; and the Commission on the first year's salary is 1 per cent. for a non-resident and 1½ per cent. for a resident post. Teachers who are not Members of one of these Associations are charged a Registration Fee of 2s. 6d., and the Commission on the first year's salary is 3 per cent. for a non-resident, and 3½ per cent. for a resident post.

Registrar: MISS ALICE M. FOUNTAIN.

Posts Vacant—continued.**COUNTY BOROUGH OF
ROTHERHAM GRAMMAR SCHOOL.**

The Governors invite applications for the following appointments:—

- (1) ASSISTANT MASTER with high qualifications in Mathematics. Grade III Scale.
- (2) ASSISTANT MASTER to take French and German. Grade II Scale.
- (3) ASSISTANT MASTER to take Mathematics and General Science in Middle and Lower Schools. Grade II Scale.
- (4) ASSISTANT MASTER or MISTRESS, experienced in management of junior boys (9-12). Grade I Scale.

Candidates must be Graduates or hold equivalent qualifications. Ability and readiness to take part in Schools Games and Clubs desirable. Salary according to Scale.

Grade III Scale £200 by £10 to £240 by £15 to £450.
Grade II Scale £180 by £10 to £240 by £15 to £420.
Grade I Scale £150 by £10 to £300.

Forms of application which should be returned not later than 5th November, 1919, may be obtained from the undersigned.

JAS. A. MAIR,
Clerk to the Governors.

Education Offices, Rotherham.

WANTED, in January, for Alexandra College, Dublin, HEAD of TRAINING DEPARTMENT for Teachers, which includes Secondary, Junior and Kindergarten Training Courses. Experience, Hon. Degree, or its equivalent, and Diploma from a recognized Secondary Training College essential. Applications, with copies of three testimonials to be sent before November 20th to the SECRETARY, Alexandra College.

SALE COUNTY HIGH SCHOOL
FOR GIRLS, (near Manchester).—Wanted, in January, JUNIOR FORM MISTRESS, N.F.U. Higher Certificate or Higher Local Honours, trained. Good English subjects essential. Salary according to qualifications and experience. Revised Cheshire Scale. Apply, before November 6th, to HEAD MISTRESS.

HAINES HILL SCHOOL,
TAUNTON.—Wanted, January or sooner, MATHEMATICAL MISTRESS. Botany subsidiary. Good mathematical degree and Churchwoman essential. Experience desirable. Salary £100-£150 resident. Non-resident considered. Apply—PRINCIPAL.

COUNTY SCHOOL FOR GIRLS,
WALLINGTON, SURREY.—Wanted, in January, a SPECIALIST MISTRESS to help with the French teaching. Salary according to the Surrey scale (£150-£250 initial rising to £320). Subsidiary subjects should be stated. Apply to the HEAD MISTRESS.

COLSTON'S GIRLS' SCHOOL,
Bristol.—Required, in January, experienced DOMESTIC SCIENCE MISTRESS. Chief subjects Cookery and Housewifery—some Needlework only. Salary according to qualifications and experience. Apply, with full details, to the HEAD MISTRESS.

TUNBRIDGE WELLS HIGH SCHOOL (G.P.D.S.T.).—Wanted, in January, a MISTRESS to take History and Elementary Latin. Salary according to qualifications. Apply to the HEAD MISTRESS.

TRURO HIGH SCHOOL.—Wanted, in January, a MISTRESS to teach Classics and Scripture, and to help with games. Candidates must be members of the Church of England. Honours degree essential and Training preferred. Initial salary from £180 to £200 rising to £250. Apply to the HEAD MISTRESS.

CLASSICS, DIVINITY AND ENGLISH.—Class Teaching and coaching for examinations undertaken by Miss BEGGS, M.A., Classical Tripos, Archbishop's Diploma in Theology, 122 Queen's Road, Wimbledon.

CARLISLE HIGH SCHOOL.—Required, in January, a Froebel-trained MISTRESS for Form I. Also a MISTRESS to teach English, Arithmetic, Nature Study and Drawing to Third Forms. Salary (new scale) according to qualifications and experience. Apply to the HEAD MISTRESS.

KIRKBY STEPHEN GIRLS' GRAMMAR SCHOOL.—Required in January:—(1) Resident SENIOR MISTRESS to take French and possibly Scripture. Experience essential. Initial Salary £100-£150. (2) Resident MISTRESS to take Drawing, Class Singing, and some Junior Forms work. Initial Salary £80. Apply with full particulars and testimonials to the HEAD MISTRESS.

Posts Vacant—continued.**EAST SUFFOLK COUNTY
EDUCATION COMMITTEE.****STOWMARKET COUNTY SECONDARY
SCHOOL.**

Wanted, in January, an ASSISTANT MISTRESS to teach Art (including Design) and needlework throughout the school. Ability to teach Singing or Drill an advantage. Salary £130-£220. Commencing salary according to experience.

Application to be made on Form 23 a print of which will be forwarded on receipt of a stamped addressed envelope should be sent to the undersigned not later than 22nd November.

W. E. WATKINS,
Hon. Clerk to the Governors.
Education Office, County Hall, Ipswich.

**CITY OF BRADFORD
EDUCATION COMMITTEE.****GRANGE ROAD BOYS' SECONDARY SCHOOL**
(422 pupils).

Wanted for January:—(1) GRADUATE for Middle School English and History. (2) Graduate for Mathematics and Science. Salary according to scale (£150 to £350) and experience, plus £78 per annum. War Bonus. Application Forms may be obtained at this Office, and should be returned to the DIRECTOR by 17th November.

Education Office, Town Hall, Bradford.

23rd October, 1919.

ST. AIDAN'S HIGH SCHOOL,

STROUD GREEN, N.4.—Wanted, in January, SCIENCE MISTRESS to teach also Geography or advanced Mathematics, or both. Churchwoman. Salary according to qualifications. Apply—HEAD MISTRESS.

REQUIRED, after Christmas, in a good Private School a fully-qualified GAMES and DRILL MISTRESS, to assist in Junior English subjects and supervision. Good discipline and gentle manners essential. Weekly or resident. Good salary. Apply—Miss COOKE, Romanoff, Surbiton.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1.

MATHEMATICAL MISTRESS

with good qualifications, wanted, in January, for good class Private Day School (100 children) to teach Mathematics (up to Matriculation standard) throughout the school. Games desirable: if possible, elementary Latin or Science. Salary according to qualifications and experience. Residential post. Apply—Miss LEISHMAN, Kinnaird Park School, Bromley, Kent.

WANTED, January, fully qualified experienced DIRECTRESS for MONTESSORI CLASS. Higher Froebel Certificate and Montessori Diploma essential. Apply by letter, giving full particulars, to HEAD MISTRESS, Burlington School, Old Burlington Street, W.1.

SHREWSBURY HIGH SCHOOL

(G.P.D.S.T.).—Wanted, immediately or in January, HISTORY or GEOGRAPHY SPECIALIST. Graduate with training or experience essential. Salary according to qualifications. Apply to the HEAD MISTRESS.

**ALLEYN'S COLLEGE OF GOD'S
GIFT AT DULWICH.****HEAD MASTERSHIP OF ALLEYN'S SCHOOL.**

The Governors invite applications for the post of HEAD MASTER of Alleen's School in place of Mr. F. COLLINS, who will retire at Easter next.

Salary £1,000 per annum.
Forms of application and further particulars may be obtained from the undersigned, to whom the forms of application, accompanied by 30 copies of not more than four testimonials, must be sent before the 22nd November next.

No personal canvass of the Governors is permitted.
S. W. BICKELL,
Clerk to the Governors.

Dulwich College, S.E.21.

22nd October, 1919.

WIMBLEDON HIGH SCHOOL,

G.P.D.S.T.—Wanted, in November or January, as JUNIOR FRENCH MISTRESS, a Frenchwoman with some experience in English Schools. Apply—HEAD MISTRESS, 5 Grosvenor Hill, S.W.19.

Posts Vacant—continued.**URBAN DISTRICT OF
SPENBOROUGH.****APPOINTMENT OF DIRECTOR OF
EDUCATION.**

The Council of the above District invite applications for the position of DIRECTOR OF EDUCATION for their District.

Candidates must have had actual experience in the administration of Elementary Schools and be thoroughly acquainted with the Regulations of the Board of Education with regard thereto.

They must be competent to advise the Education Committee upon all matters relating to the supply and co-ordination of all forms of Education within the Urban District, including the organization of Technical, Evening School, and other Classes.

The salary attaching to the position will be £400 per annum.

The appointment will be subject to three months' notice on either side.

Forms of application containing list of duties may be obtained at my Office, and must be returned to me, accompanied by copies of three recent testimonials, not later than the 10th day of November, 1919.

Canvassing members of the Council either directly or indirectly will be deemed a disqualification, but applicants, if they so desire, may send 14 copies of their applications and testimonials to me for the use of the Staff Committee.

JOHN H. LINFIELD,
Town Hall, Cleckheaton. Clerk to the Council.
24th October, 1919.

**LEARN DUTTON'S
24-Hour SHORTHAND.**

Booklet free. — Dutton's College.

Desk T 97, SKEGNESS.

QUEEN ANNE'S SCHOOL,

CAVERSHAM.—Wanted in January: (1) A resident SECRETARY to the Head Mistress, able to do shorthand and typing. Experience in school desirable. (2) A LADY to undertake a boarding-house in connexion with the school. School experience and some capital essential.

ENGLISH MISTRESS required
for Preparatory Department, certificated and experienced; also JUNIOR MUSIC MISTRESS for Pianoforte and Theory (Curwen method). State age, salary, experience to PRINCIPAL, Ely House Ladies' College, Wolverhampton.

BIRKENHEAD HIGH SCHOOL,

G.P.D.S.T.—Required, in January, additional MISTRESS to teach German and History, Degree or equivalent essential. Salary according to qualifications and experience. Apply, with testimonials and full particulars, to the HEAD MISTRESS.

ART MISTRESS required in

January. £90 to £110 resident, with laundry, rising to £230 or £250, according to scale: Pension Scheme. Wesleyan preferred; also GYMNASIUM MISTRESS for new Junior School. Apply—PRINCIPAL, Penrhos College, Colwyn Bay.

ROYAL BELFAST ACADEMIC

INSTITUTION.—The Governors invite applications for the HEAD MASTERSHIP of the English Department. Initial salary £400, with benefit of Superannuation Scheme. Applications, with copies of testimonials, to be sent without delay to the SECRETARY, from whom particulars may be obtained.

WANTED, next Term, for Church

Public School, TWO MISTRESSES, Forms and Visiting. Subjects: Botany, Junior Maths., spoken French. Churchwoman and experience essential. Apply—HEAD MISTRESS, 254, High Road, Streatham, S.W.16.

UNIVERSITY COLLEGE,

READING.—One year Course in Physical Training (approved by the Board of Education) for Certificated Teacher (woman). An ASSISTANT (woman) to the LECTURER IN CHARGE is required to begin duties on January 7th, 1920. For particulars apply to the REGISTRAR, University College, Reading.

DURHAM, ST. HILDS TRAIN-

ING COLLEGE.—Wanted, in January, an ASSISTANT MISTRESS of METHOD, with special qualifications in the Training of Infant Teachers. Salary according to qualification and experience, but not less than £140 resident. Applications to be sent to the Principal, Miss ELEANOR CHRISTOPHER.

Messrs. GRIFFITHS, POWELL & SMITH,

Telegraphic Address:
"SCHOLASQUE, WESTSTRAND,
LONDON."

Educational and School Transfer Agents,
(Established over 80 years),

Telephone:
GERRARD 7021.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at 84 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

TO ASSISTANT MISTRESSES.

January (1920) Vacancies.

Graduates, Undergraduates, and other well qualified Senior and Junior Mistresses, and Music, Kindergarten, and other Teachers seeking appointments in Secondary and high-class Private Schools (Boys' and Girls') for the term commencing in **January next** are invited to apply at once to Messrs. GRIFFITHS, POWELL & SMITH, as above, who will send immediate notice of all the most suitable Posts.

Candidates should state full details as to their qualifications, and enclose copies of testimonials.

ENGLISH, GENERAL FORM, AND OTHER VACANCIES.

- Assistant Mistress** wanted for Mathematics and Geography. High-class School. Salary about £120 res. (Yorks.)—No. 085.11
- Assistant Mistress** to take French and History to London Matriculation standard. Salary about £100 resident. Large and important School. (Lancs.)—No. 127.
- Head English Mistress** for good English subjects to Matriculation standard. Salary about £100 resident. (Sussex.)—No. 128.
- Upper Fourth Form Mistress** to teach English subjects and good French. A lady with Degree looked for. Resident or non-resident. (London.)—No. 224.
- Assistant Mistress.** English, French, Mathematics, Drawing, Boys' School. Salary about £100 resident. (Sussex.)—No. 230.
- Senior Assistant Mistress** able to prepare for University Examinations. English, History, Geography, Divinity, Churchwoman and Communicant. Good salary. (Derbyshire.)—No. 231.
- Senior Mistress.** Graduate with experience. English, Mathematics, and Latin. Large Day School. Salary £150 non-resident. (Lancs.)—No. 235.
- Junior Form Mistress.** Boys under 10. Must have had experience with boys. Salary £120 non-resident. (London.)—No. 237.
- English Mistress** for general Form Work and Middle School. Mathematics to Matriculation standard. Salary £90 resident, or if holding Degree £100. (Somerset.)—No. 243.
- Assistant Mistress.** English, French, and Junior Mathematics. Salary £60 resident. (Beds.)—No. 245.
- Assistant Mistress** to teach mainly Geography and Mathematics, with some junior English. Salary £70 res. (Essex.)—No. 248.
- Assistant Mistress.** General Form work with Games and Music if possible. Salary £60 resident. (Surrey.)—No. 257.
- S. Africa. — Assistant Mistress.** Latin, Botany, and Mathematics for Matriculation. English generally. £100 resident. Passage paid out on 3 years' engagement.—No. 252.
- Two Assistant Mistresses** to take between them the following subjects:—English, History, Modern Geography, Literature, Grammar, Composition, Hygiene, Botany, French, Drawing, Painting, Scripture, and Drill. Salary about £90 each, resident. (Kent.)—No. 253.
- Assistant Mistress** to take Mathematics to Matriculation, and either Modern Geography, Latin, or German up to a good standard. Salary about £95 resident or £150 non-resident. (Middlesex.)—No. 255.
- Two Assistant Mistresses** wanted, one for thoroughly good modern Geography and Botany to Senior Cambridge standard; the other for English, History, and Literature to same standard. Salary about £90 each res.—No. 257.
- Science Mistress** wanted for a School in the Midlands. Salary £180 non-resident, plus £20 in lieu of pension.—No. 236.

Two good English Mistresses wanted to take between them Mathematics, Latin, History, Modern Geography, and general English. Salaries according to qualifications and experience. (Cheshire.)—No. 261.

Two Mistresses wanted, one for English, the other for French. Trained Graduates and experienced. Salary about £90 each, resident. (Surrey.)—No. 262.

Well Qualified Mistress with Higher Local or Inter. B.A. for general Form Subjects, including Mathematics and Latin to Junior Oxford standard. (Somerset.)—No. 299.

Assistant Mistress to teach boys. Elementary subjects and Games. Resident or non-resident. Good salary. (London.)—No. 227.

Assistant Mistress for English subjects and Mathematics. Salary £60 resident. (Kent.)—No. 226.

Assistant Mistress for Secondary School. English, Mathematics, and elementary Science. Salary £60 resident. R.C. essential. (Essex.)—No. 219.

Assistant Mistress to take charge of Girls' School, and assist occasionally with small boys. Salary £60 resident. (Essex.)—No. 124.

Assistant Mistress for general English in Middle and Lower School. Salary £65 resident. (Hants.)—No. 123.

Assistant Mistress for Boys' Preparatory Department, ages 6 to 8, and to teach them simple Dancing and Singing. Salary about £70 resident. (Surrey.)—No. 122.

Form Mistress wanted for Secondary School. Graduate with experience or training, to teach chiefly English and Latin to Lower Forms. Also an additional Mistress, Graduate, chiefly for Geography and History. Salary in each case according to qualifications and experience. Non-resident. (Wales.)—No. 120.

Assistant Mistress for Mathematics and Latin. Salary about £70 to £80 resident. (Sussex.)—No. 119.

English Mistress wanted. Work to Senior Cambridge standard. Must have had experience and success in preparing for Exams. Salary £80 resident. (Somerset.)—No. 114.

Assistant Mistress for English, Latin, and Botany. Salary about £100 resident. (Devon.)—No. 094.

Two Assistant Mistresses to take between them Geography, Botany, German, or Latin. Salary about £70 each, resident. (Ireland.)—No. 090.

Two Mistresses wanted, one for Science and Mathematics, the other for good English. Liberal salaries. Roman Catholics essential. (Sussex.)—No. 089.

Experienced English Mistress. Modern Geography and English. Salary about £80 resident. (Notts.)—No. 087.

Assistant Mistress. General English and some Mathematics. Experienced. Salary £75 resident. (Hants.)—No. 086.

Assistant Mistress for Mathematics and some Geography, to Senior Cambridge standard. Salary £90 resident. (Somerset.)—No. 080.

MUSIC AND ART VACANCIES.

Well Qualified and Experienced Music Mistress for Piano. Salary £90 to £120 resident. (Herts.)—No. 966.

Music Mistress. Good Music, Theory, Harmony, and Singing. Salary £60 resident. (Ireland.)—No. 249.

Music Mistress. Experienced. Piano, Theory, &c. Salary £70. (Dorset.)—No. 247.

Senior Music Mistress. One holding Degree for Violin desired. Must also be able to manage a small School Orchestra. Salary £90 to £100 resident. (Devon.)—No. 241.

Experienced Music Mistress. L.R.A.M. or equivalent. Piano, Class Singing. Salary £60 resident. (Glos.)—No. 239.

Music Mistress. L.R.A.M. or equivalent. Piano, Theory, Class Singing. Salary £60 resident. (Kent.)—No. 233.

Music Mistress. L.R.A.M. or equivalent. Piano, Theory, Violin. Good salary to suitable candidate. Large and important School. (Lancs.)—No. 126.

Music Mistress. L.R.A.M. Piano, Harmony, Solo and Class Singing. Salary £60. (Cornwall.)—No. 118.

Music Mistress. L.R.A.M. or equivalent. Piano, Theory, Harmony. Salary £60 to £80 resident. (Hants.)—No. 117.

Experienced Music Mistress for Piano, Solo and Class Singing. Salary £80 resident. (Scotland.)—No. 990.

Music Mistress. L.R.A.M. essential and experienced. Good Piano and Violin. Salary £80 to £100 resident. (Kent.)—No. 900.

Art Mistress. Able to prepare for R.D.S. Examinations. Salary £70 resident. (Hants.)—No. 225.

Good Art Mistress wanted for School in Somerset. Salary according to qualifications and experience.—No. 115.

KINDERGARTEN TEACHERS.

Kindergarten Mistress for School in Bedfordshire. Salary £50 to £60 resident.—No. 246.

Kindergarten Mistress wanted, with N.F.U. Certificates. Salary about £60. (Cheshire.)—No. 125.

Kindergarten Mistress for good-class Boarding and Day School in Ireland. Liberal salary.—No. 092.

Good Kindergarten Mistress for School in Scotland. Salary £130 non-resident.—No. 088.

Fully Certificated Kindergarten Mistress for School, near London. Salary £80 resident.—No. 042.

Physical Training Mistress. Gymnastics, Drill, Dancing, and Games. Salary £70 resident. (Somerset.)—No. 244.

Drill Mistress wanted for Secondary School. Trained Teacher desired. Initial salary £150 to £200. (Cumberland.)—No. 250.

SCHOOLS TRANSFER DEPARTMENT.

SCHOOLS TRANSFERRED AND VALUED.

Please see page 752 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Weststrand, London."

Telephone: Gerrard 7021.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W. 1.

A FULLY qualified and experienced MUSIC MISTRESS required to teach piano, harmony, theory and class singing in good private school for girls, north of England. Salary £90, with board residence. Address—No. 10, 913.*

KINDERGARTEN MISTRESS, N.F.U.. Higher Certificate, required at half term, November 4th, in a high-class school in south of London. Salary, non-resident, £80 to £100, according to qualifications. Address—No. 10, 922.*

DONCASTER MUNICIPAL HIGH SCHOOL.—Wanted, in January, SENIOR MATHEMATICAL MISTRESS to teach Mathematics in upper school and some elementary Physics. Honours degree desirable. Salary £150 to £330, according to scale, with allowance for training and experience. Also KINDERGARTEN MISTRESS to take charge of preparatory department, girls and boys 6 to 8 years of age. Higher N.F.U. Cert. essential. Salary, according to experience and qualifications, £130 to £250. Apply, giving full particulars as to qualifications and experience and salary required, to HEAD MISTRESS.

£150 (resident). MATHEMATICAL MISTRESS required, also MISTRESS for SCIENCE and GEOGRAPHY. First-class Girls' Schools. Many other vacancies for January, 1920.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W. 1. No booking fees. Established 1881.

MISTRESSES required, January and half term. Violin, some Piano (£100). Senior Music, good coach (£90-£100). R.C. Music Mistress. Liberal salary. Many other vacancies. England and abroad. No booking fees.—HOOPER'S (Educational Agents), Ltd., 13 Regent Street, S.W. 1. Stamp.

HULL HIGH SCHOOL FOR GIRLS.—Required, in January next, TWO ASSISTANT MISTRESSES:—(1) To teach Piano-forte and Class Singing. (2) To teach English and Junior French. Reply, giving full particulars, to the HEAD MISTRESS.

PLYMOUTH EDUCATION AUTHORITY.

SUPERINTENDENT OF PHYSICAL TRAINING. PHYSICAL TRAINING DEPARTMENT.—Applications are invited from qualified women for the position of SUPERINTENDENT OF PHYSICAL TRAINING (including Remedial work). Candidates must have been trained in a recognized Institution, and those with organizing experience will be preferred. Scale (subject to limitations in respect of service and training) £220, rising to £350. Further particulars can be obtained from the undersigned. Last day for applications, 12th November, 1919.

E. CHANDLER COOK, Secretary.
Education Offices,
Cobourg Street, Plymouth.

Posts Vacant—continued.**STAFFORDSHIRE EDUCATION COMMITTEE.**

Applications are invited for the post of ASSISTANT PERIPATETIC WOMAN INSTRUCTOR of Pupil Teachers in Rural Schools. Candidates should possess a University Degree or its equivalent, and be qualified to teach English subjects up to Senior Local Standard.

Experience in a Secondary School or Pupil-Teacher Centre will be a recommendation.

Salary £160, rising by annual increments of £10 to £210, and thereafter by £15 to £330, with travelling expenses.

Further particulars and forms of application may be obtained from the undersigned, to whom applications should be returned on or before 15th November.

GRAHAM BALFOUR,
Director of Education.

County Education Offices, Stafford.
October, 1919.

CORNWALL EDUCATION COMMITTEE.**COUNTY SECONDARY SCHOOL FOR GIRLS, PENZANCE.**

A FORM MISTRESS, fully qualified to take Mathematics up to Matriculation Standard, and with one or two subsidiary subjects, is required in January next. Ability to teach Needlework would be an added recommendation. Salary £150, rising by annual increments of £10 to £220.

Forms of application may be obtained on receipt of a stamped addressed envelope, from the HEAD MISTRESS, to whom they should be returned on or before Tuesday, 25th November, 1919.

27th October, 1919.

CORNWALL EDUCATION COMMITTEE.

Wanted immediately, an ASSISTANT PHYSICAL TRAINING ORGANIZER, to visit Elementary Schools, to hold Teachers' Classes on the 1909 Syllabus of Physical Exercises, and to teach in a mixed Secondary School. Applicants must be fully trained and have had some years' experience. Salary scale: Men, £180, rising by £10 annual increments to £250; Women, £150, rising by annual increments of £10 to £220. A higher initial salary may be paid to a specially suitable candidate with previous experience.

Forms of application and further particulars, on receipt of stamped addressed envelope, may be obtained from the undersigned, to whom all applications must be sent at once.

F. R. PASCOE,
Secretary.

Education Department, County Hall, Truro.
27th October, 1919.

WANTED, in January, a resident KINDERGARTEN MISTRESS in high-class Preparatory Day School in pleasant residential town near Manchester. Some training required, but full certificates not essential though desirable. Time for reading. State subjects, qualifications, experience, age, salary. Address—No. 10, 927.*

REQUIRED, for January, 1920, responsible post as BURSAR or SECRETARY by lady of experience in organization, household management, and school routine. Capable of taking position of Vice-Principal in Girls' School, entire charge of Boarding House, or Students' Hostel. Address—No. 10, 928.*

Posts Vacant—continued.**GLOUCESTERSHIRE EDUCATION COMMITTEE.****CINDERFORD SECONDARY SCHOOL.**

ASSISTANT MISTRESS required for Science, Mathematics, and French. Graduate. Commencing salary £180. Also DOMESTIC SCIENCE MISTRESS, with Needlework Diploma. Commencing salary £140-£170 according to experience. Forms of application may be obtained from the SECRETARY, County Education Office, Shire Hall, Gloucester.

CROYDON EDUCATION COMMITTEE.**BOROUGH SCHOOL FOR GIRLS, THE CRESCENT, CROYDON.**

Wanted, a TEMPORARY MISTRESS to take Junior Form Work, from January 14th to July 30th. Degree and some experience essential.

Salary £3. 10s. to £4, according to qualifications and experience. Apply HEAD MISTRESS.

S. ELPHIN'S, CHURCH OF

S. ENGLAND SCHOOL.—Required, in January next, MISTRESS to teach Chemistry to Higher Certificate and University standard, and Middle School Mathematics. Resident. Salary according to qualifications and experience on revised scale. Apply to HEAD MISTRESS, S. Elphin's School, Darley Dale Matlock, not later than November 10th.

REQUIRED, in January, for

Calder Girls' School, Seascale (near the Lake District), a SCIENCE MISTRESS: chief subject Botany. Salary, according to degree and experience, from £120 resident. No out of school duties. Apply to HEAD MISTRESS. Send full particulars and testimonials.

KENSINGTON HIGH SCHOOL

(G.P.D.S.T.), St. Albans Road, Kensington, W.8.—Temporary SENIOR MATHEMATICAL MISTRESS, wanted for 1½ Terms, beginning at the half term of next Term. Experience essential. Apply to the HEAD MISTRESS.

WANTED, November 10th, ener-

getic and capable lady to take charge of about 20 girls in School Boarding House out of school hours and supervise house servants. Initial salary £60. Apply—HEAD MISTRESS, High School, Beverley.

BATTERSEA POLYTECHNIC,

London, S.W. 11.—The Governing Body invite applications for the appointment of WARDEN for an additional Hostel to be opened in January, 1920, for Women Students. For particulars send stamped addressed envelope to the SECRETARY, Battersea Polytechnic, London, S.W. 11.

REQUIRED in January a resident

MISTRESS to teach History throughout the school, with Scripture and Elementary Mathematics. Salary according to experience and qualifications. Apply—PRINCIPAL, Collegiate School for Girls, Bournemouth.

ST. FELIX SCHOOL, SOUTH-

WOLD.—MISTRESS wanted in January for Dancing, with some Drill. Apply—HEAD MISTRESS.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C. 4." Each must contain sufficient postage stamps to cover postage on to advertiser. Post cards will NOT be sent on.

The Journal of Education and School World.

IMPORTANT NOTICE TO ADVERTISERS.

The revised scale of charges will come into force with the **January 1920** issue. Commencing with that number which will be the first of the 52nd year, the following rates will hold good:—

One page, £8. 10s. 0d.	Quarter-page, £2. 10s. 0d.
Half page, £4. 10s. 0d.	One-eighth page, £1. 5s. 0d.
Per inch in column, 12s. 6d.	

School Announcements will be charged as follows:—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—9d. per line; minimum charge, 7s. 6d.

Posts Wanted or Vacant—30 words for 3s.; each 10 words after, 1s.; *prepaid rate*.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 4s. 6d.; each 8 words after, 1s.; *prepaid rate*.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for Mistresses for the September Term, 1919, and January, 1920, for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates:—

General Form Mistresses.

ASSISTANT MISTRESS required to teach English chiefly. Candidate looked for with previous experience, in Girls' Private School within easy reach of London. Salary from £100, together with board and residence.—No. 14,850.

SENIOR ENGLISH MISTRESS, to teach general subjects, with some Mathematics, in Girls' Private School on South Coast. Post res. and good salary offered.—No. 14,843.

ASSISTANT MISTRESS, to teach Latin, Greek, and Mathematics, in important Girls' Boarding School on the South Coast. Graduate with experience looked for. Post res. and good salary offered.—No. 14,773.

ENGLISH MISTRESS in large important Girls' School in North of England. Candidate looked for with previous experience. Salary £110 res.—No. 14,708.

MISTRESS OF METHOD in Girls' College in India. Graduate essential, with some experience. Salary £200 res. Passage will be paid.—No. 14,005.

SENIOR ENGLISH MISTRESS, to teach general subjects, including good Geography, in important Girls' Boarding School on South Coast. Salary about £70 res.—No. 14,809.

Mathematical and Science Mistresses.

ASSISTANT MISTRESS required to teach good Mathematics and Geography in important Girls' Boarding School on South Coast. Graduate looked for with previous experience. Salary up to £120 res.—No. 14,727.

SCIENCE MISTRESS, to teach Botany, with Chemistry and Physics as subsidiary subjects. Graduate looked for in large and important Girls' School in Home Counties. Salary offered from £200 non-res., according to qualifications, with £50 deducted for board.—No. 14,407.

MATHEMATICAL MISTRESS in important Girls' Boarding School in South-west of England. Graduate essential. Salary £130 res.—No. 13,842.

SCIENCE MISTRESS in important Girls' School in the Home Counties, to teach Nature Study, with General Science, including some Chemistry. Salary from £180 non-res., according to qualifications.—No. 14,800.

SCIENCE MISTRESS to teach Botany, Chemistry, and Physics in important Girls' Boarding School on South Coast. Salary about £120 res.—No. 14,788.

MATHEMATICAL MISTRESS in important Girls' High School, within easy distance of London. Graduate essential. Salary £175 non-res.—No. 14,805.

SCIENCE MISTRESS in important Girls' High School in London District to teach Botany, elementary Mathematics, and Nature Study. Graduate, with experience, essential. Post could be held either as a res. or non-res. one, and in either case a good salary would be given, according to qualifications.—No. 14,765.

Lower Form and Kindergarten Mistresses.

JUNIOR FORM MISTRESS required, in important Girls' Boarding School in South-west of

England, to teach general subjects, including good French, Literature, and Arithmetic. Salary £75 res.—No. 14,847.

ASSISTANT MISTRESS, to teach general subjects, including History and Scripture, in important Girls' High School in East of England. Salary from £130 to £150 non-res., rising to £250 according to qualifications.—No. 14,609.

JUNIOR ASSISTANT MISTRESS, to teach general subjects, including some Modern Geography, in important Girls' School within easy distance of London. Salary about £75 res.—No. 14,824.

JUNIOR MISTRESS in Preparatory School in London district. Previous experience essential. Salary about £80 res., according to qualifications.—No. 14,761.

ASSISTANT MISTRESS, to teach Form III general subjects, required, in important Girls' Boarding School on South Coast. Salary from £60, according to qualifications.—No. 14,736.

Boys' Preparatory Form Mistresses.

ASSISTANT MISTRESS required, to teach French throughout the School. Candidate must have acquired language abroad. Some English will also be necessary, in important Boys' Preparatory School on South Coast. Salary not less than £100 res.—No. 14,837.

ASSISTANT MISTRESS, in Boys' Preparatory School in London district, to teach general Junior Form subjects, including some Latin or Drawing, if possible. Salary about £100 res., or post could be held as a non-res. one.—No. 14,813.

ASSISTANT MISTRESS, in Preparatory School on South Coast, to teach general elementary Form work. Previous experience essential. Post res., and good salary according to qualifications.—No. 14,608.

ASSISTANT MISTRESS, to teach general elementary school subjects, in Preparatory School in London district. Salary not less than £75 res.—No. 14,671.

ASSISTANT MISTRESS, in important Boys' Preparatory School in Home Counties. Previous experience essential. Salary not less than £100 res., according to qualifications.—No. 14,696.

Modern Language Mistresses.

MODERN LANGUAGE MISTRESS required in important Girls' High School in North of England, to teach both German and French, with some English if possible. Graduate essential. Salary £170, rising to £330 non-res.—No. 14,803.

ASSISTANT MISTRESS in important Girls' Secondary School on South Coast, to teach French on Direct Method, with some English. Salary £180 to £350 non-res., according to qualifications.—No. 14,755.

FRENCH MISTRESS in important Girls' Boarding School on South Coast. Native essential, to teach French throughout the school. Salary about £80 res.—No. 14,735.

ASSISTANT MISTRESS to teach German in large and very important Girls' Boarding School on the South Coast. Honours degree essential.—No. 14,866.

FRENCH MISTRESS, in Girls' Boarding School in South-west of England. Native essential. Post res., and good salary according to qualifications.—No. 14,691.

Gymnastic and Drill Mistresses.

PHYSICAL CULTURE MISTRESS required in important Girls' Boarding School on South Coast to teach Dancing, Gymnastics, and Games. Fully trained teacher essential. Salary about £100 res.—No. 14,730.

PHYSICAL CULTURE MISTRESS to teach Gymnastics, Games, also elementary Hygiene, in important Girls' High School, within easy reach of London. Salary £155 non-res., according to qualifications.—No. 14,805.

PHYSICAL CULTURE MISTRESS in Girls' Boarding School in South-west of England to teach Gymnastics, Drill, Dancing, and Games. Fully-trained Teacher essential. Salary from £70 res., according to qualifications.—No. 14,822.

DRILL MISTRESS in large mixed Secondary School in North of England. Trained Teacher essential. Salary £150 to £200 non-res., according to qualifications.—No. 14,832.

PHYSICAL CULTURE MISTRESS in large and important Girls' School in Scotland to teach Gymnastics, Games, Swimming, and Dancing. Fully trained Teacher essential. Salary about £100 res., or post could be held as non-res. one at salary of about £160.—No. 14,768.

Music Mistresses.

MUSIC MISTRESS required, to teach Piano, with Violin and, if possible, some Singing, in important Girls' Church of England Secondary School, within easy reach of London. Salary about £80 res., or post could be held as non-res. one.—No. 14,842.

MUSIC MISTRESS in important Girls' Boarding School on South Coast, to teach Piano, Class Singing, and, if possible, some Solo Singing. Full qualified and experienced teacher essential. Salary up to £100 res., according to qualifications.—No. 14,774.

MUSIC MISTRESS to teach in important Girls' Church of England School in South-west of England, to teach Piano, Theory, Ear Training, Musical Appreciation. Salary from £70 res., according to qualifications.—No. 14,758.

SENIOR MUSIC MISTRESS in Girls' Private Boarding School in South-west of England, to teach Violin, Harmony, and Piano. Salary up to £100 res., according to qualifications.—No. 14,815.

MUSIC MISTRESS in important Girls' School in Wales to teach Piano, with elementary Class Singing. Salary up to £100 res., according to qualifications.—No. 14,812.

MUSIC MISTRESS to teach in important Girls' School in North Wales to teach Piano and Class Singing. Fully certificated and experienced teacher essential. Post could be held either as res. or non-res. one, in either case good salary given.—No. 14,831.

Messrs. GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION, and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Truman & Knightley

SCHOLASTIC AGENTS LTD

ASSISTANT MISTRESSES' DEPARTMENT.

Ladies with University or other qualifications and teachers of special subjects seeking appointments in Public and Private Schools should register with **Messrs. TRUMAN & KNIGHTLEY**, who will be pleased to give their requirements careful and personal attention.

There is no registration fee, and the charges made to those for whom an appointment is secured are very **reasonable**.

The following are selected from a large number of **Lent Term Vacancies**, for which **Messrs. TRUMAN & KNIGHTLEY** have been instructed to put forward candidates:—

JANUARY VACANCIES FOR UNIVERSITY WOMEN.

ENGLISH, HISTORY, AND GENERAL FORM MISTRESSES.

- English Mistress** for large, high-class Private School on the South-west Coast to teach Literature. Degree or Higher Local Honours and experience essential. Res. £110.—A 77864.
- History Mistress** for Girls' Public Day School in the Home Counties. Honours degree or equivalent. Non-res. from £170.—A 78254.
- English Mistress** for high-class Boarding School on South Coast to teach English Literature and History. Experience essential. Res. £100 to £120.—A 77684.
- History Specialist** for High School in the Eastern Counties for advanced course. Good salary, either resident or non-resident, according to qualifications and experience.—A 78221.
- History and Fifth Form Mistress** for high-class Boarding School on South Coast, recognized as efficient by the Board of Education. Res. £120 to £150, or non-res. £180 to £200. Pension scheme under consideration.—A 78360.
- Assistant Mistress of Method** for Training College in the North of England. Special qualifications in the training of Infant Teachers. Res. from £140.—A 77914.
- Senior Mistress** to teach general Form work in large Day School in London. Good experience and success in preparing for Public Examinations. Res. £120 to £130.—A 77992.
- Assistant Mistress** for high-class Public School near London to teach History, Latin, and elementary Greek. Degree or equivalent. Res. £85 to £90, increasing to £130. Pension scheme under consideration.—A 78047.
- Second English and Fourth Form Mistress** for high-class Boarding School on South Coast to teach Literature, History, and some Mathematics and Latin. Experience, Churchwoman. Res. £90.—A 74923.
- Third Form Mistress** for Girls' Public Day School in the Eastern Counties to teach general English subjects and some Mathematics in Middle School. Non-res. £130 to £150.—A 77980.
- English Mistress** for large Private Boarding and Day School in the Midlands, to teach general English subjects to Senior Cambridge Local standard, French, with Botany or general elementary Science. Experience. Res. £100.—A 74369.
- Assistant Mistress**, to teach History and Geography in important Public School in the South-west of England. Good qualifications essential. Non-res. £150 to £190.—A 74151.
- Junior Mistress** for high-class Boarding School on South Coast, to teach Junior English, elementary Mathematics, Drilling, and Games. Res. £70 to £80.—A 77797.

MODERN LANGUAGE MISTRESSES.

- Modern Language Mistress** for high-class Boarding School in Home Counties, to teach French and some German. Good qualifications essential. Res. £110 to £130.—C 77834.

- Assistant Mistress** for Church of England Boarding School in Home Counties, to teach German and good English, for Middle Forms' Res. £80 to £100.—C 78075.
- French Mistress** for Public Boarding School near London, to teach French on modern lines. Res. £110 to £135.—C 78169.
- French Mistress** for County Secondary School in Home Counties, to teach French to the Middle School. Non-res. £160 to £170.—C 78230.
- Modern Language Mistress** for important Boarding School on South-east Coast, to teach French and Italian. Res. post with good salary.—C 77641.
- Modern Language Mistress** for Public Secondary School in Yorkshire, to teach French and German, with elementary English. Non-res. £170, increasing to £330.—C 78190.
- Senior French Mistress** to take advanced course in Public Day School in the North-west of England. Honours Degree or equivalent, and experience essential. Non-res. £200 to £250, increasing to £300.—C 76119.
- French Specialist** for Public High School in the Eastern Counties. Degree, residence abroad, and experience essential. Non-res. £150 to £160, increasing.—C 78222.
- Modern Language Mistress** for Public Secondary School on the South Coast, to teach French and Junior English. Degree in French or English, and residence abroad. Non-res. £180, increasing to £350.—C 77991.

CLASSICAL MISTRESSES.

- Assistant Mistress** to teach advanced Classics or Mathematics, in high-class Boarding School on South Coast, recognized as efficient by the Board of Education. Res. £150, or non-res. £200. Pension scheme under consideration.—C 77870.
- Second Mistress** for Nonconformist Public Boarding and Day School in Home Counties, to teach Classics and Scripture. Graduate with experience, and Nonconformist essential. Res. from £100, increasing £10 annually.—C 77758.
- Assistant Mistress**, to teach Latin in Boys' Preparatory School in London. Res. £80 to £100.—C 78126.
- Assistant Mistress** for important Public High School in Scotland, to teach Latin throughout the School. Honours Degree essential. Non-res. £160 to £220.—C 72938.
- Assistant Mistress** for high-class Boarding School on South Coast, to teach Latin, some Greek, and Mathematics. Experience essential. Res. about £100.—C 77990.

MATHEMATICAL, SCIENCE, and GEOGRAPHY MISTRESSES.

- Senior Mathematical Mistress** for County High School in the Home Counties. Non-res. £160 to £190, increasing to £265.—C 78166.
- Mathematical Mistress** for Public School in Australia. Res. £160 and passage.—C 77949.

- Mathematical and Science Mistress** for the Middle School of a Municipal Secondary School in the North-west of England, degree or equivalent. Non-res. £150 to £180, rising according to a good scale.—C 73610.
- Mathematical Mistress** for high-class Public and Day School in Home Counties, to teach Mathematics to Matriculation standard, with Geography, Latin, or German. Experience. Res. £85 to £95, or non-res. £130 to £150.—C 78310.
- Mathematical Mistress** for County High School in London to teach Mathematics and elementary Physics. Degree, training, and experience. Non-res. £140 to £180.—C 78096.
- Mathematical Mistress** for Girls' Public Day School in London, with some Junior English. Young Mistress required. Non-res. £140.—C 77801.
- Mathematical Mistress** for high-class Day School in good residential suburb of London to teach Mathematics, take charge of Form III, and supervise games. Res. £80 to £100.—C 77948.
- Senior Mathematical Mistress** for Girls' Public Day School in the Midlands. Non-res. from £150, according to qualifications and experience, rising by £10 per annum to £300.—C 77989.
- Mathematical Mistress** for Church of England Public School in South Africa. Res. £160 and passage.—C 71447.
- Senior Mathematical Mistress** for Advanced Course in important Public School in the West of England. Non-res. from £200.—C 78015.
- Science Mistress** for large Private Secondary School in the Midlands to teach Chemistry to the top Forms, and general Science in the Middle School. Non-res. from £180, plus pension.—C 78167.
- Botany Mistress** for Public High School in South Africa. Res. £125 and passage.—C 71547.
- Science Mistress** for Endowed Secondary School in Home Counties to teach Botany, with Physics or Chemistry. Non-res. from £180, increasing according to liberal scale.—C 77256.
- Lecturer** for Training College in London to teach Botany and Nature Study. Degree, training, and experience. Res. £140 to £210.—C 78165.
- Science Mistress** for important Public Secondary School in the Midlands to teach Chemistry, Physics, and Botany. Non-res. £190, increasing to £250.—C 77898.
- Geography Mistress** for important Public Secondary School in the West of England, to teach Geography, Botany, elementary Physics. Non-res. from £150.—C 78016.
- Geography Mistress** for Private Boarding and Day School on South Coast, to teach Geography and Mathematics to Middle School. Res. from £100.—C 74366.
- Geography Mistress** for high-class Boarding School on South Coast, to take some subsidiary subjects and charge of a Form. Res. £100.—A 77943.
- Geography Mistress** for high-class Private School in Australia. Res. £120 and passage.—A 77473.

CONTINUED ON NEXT PAGE.

TRUMAN & KNIGHTLEY, Ltd., ASSISTANT MISTRESSES' DEPARTMENT (continued).

JANUARY VACANCIES FOR NON-UNIVERSITY WOMEN.

There is a large demand for well-educated gentlewomen with Higher Local or other good certificates, interested in children and in teaching, for teaching appointments in good Private Schools and as House Mistresses in Public Schools, where the work is not excessive, the conditions pleasant, and the holidays are long. Salaries range from £50 to £120 or more per annum, with board and residence, according to qualifications and experience. There are also many vacancies for Student Teachers, Junior Mistresses, and House Governesses or Duty Mistresses at salaries from £30 to £60 or more per annum, with board and residence.

JANUARY VACANCIES FOR TEACHERS OF SPECIAL SUBJECTS.

KINDERGARTEN MISTRESSES.

A Mistress for Public High School in the North of England to take charge of Form I, children about 8 years of age, and give some help in other parts of the school. N.F.U. training essential. Non-res. £140 to £160 increasing.—J 78077.

Freibel Trained Mistress for Public Secondary School in the North of England to take charge of Form above the Kindergarten. Non-res. £120, plus £10 for each year's experience.—J 78203.

Kindergarten Mistress for Public High School in South Africa to organize Kindergarten Department, and train students for Higher N.F.U., Part I. Resident from £100 to £110, increasing by £10 annually, with passage.—J 77917.

Additional Kindergarten Mistress for Preparatory Department of Public High School for Girls in the Midlands. Non-res. £140 increasing.—J 77846.

Kindergarten Mistress for Church Secondary School in India. Higher N.F.U. Certificate. Res. up to £120 and passage.—J 77135.

Junior Mistress with Higher N.F.U. Certificate for important Public School in Edinburgh. Non-res. £130, increasing to £200.—J 77489.

Mistress to take charge of Junior Department of Boys' Preparatory School in the North of England. Experience and able to organize time tables, &c. Non-res. £160, or £180 if able to offer Piano.—J 77871.

Second Form Mistress for large Private Boarding and Day School with training and experience with young children. Res. from £70.—J 78201.

ART MISTRESSES.

Art Mistress for Girls' Public Day School near London, and some help in another subject. Good Art qualifications and experience. Non-res. £150.—B 77984.

Art Mistress for Public Secondary School in the North of England to teach Drawing throughout the school, Nature Study in the Lower Forms, and some other subsidiary subject. Good Art qualifications and experience essential. Non-res. £150 increasing.—B 77903.

Art Mistress for Girls' Public Day School in the West of England, to teach also Needlework and Embroidery. Mistress trained at the Royal College of Art preferred. Non-res. about £130 in addition to extra fees.—B 78026.

Assistant Art Mistress for Public High School on the East Coast to teach Drawing, Needle-

work, and a little elementary Form work. Non-res. from £150, increasing to £230.—B 78269.

Senior Art Mistress for large Public School in the South of England. First-rate qualifications and experience essential. Non-res. £150, increasing to £300, according to scale.—B 78205.

Art Mistress for Training College in the West of England to teach Drawing (ordinary and advanced courses, to the standard required by the Board of Education for Training Colleges) and Needlework. Churchwoman. Res. £120 to £150.—B 77670.

MUSIC MISTRESSES.

Music Mistress for Public School in the Home Counties to teach Pianoforte chiefly and Violin. Good qualifications. Res. from £85, increasing to £195, or non-res. £140, increasing to £250.—B 78055.

Music Mistress for Church High School in the North of England to teach Pianoforte and Singing throughout the School. Elocution a recommendation. Non-res. £150 to £160.—B 77959.

Music Mistress for new Junior Department of a large Public Boarding School on the West Coast. Diploma and experience. Res. from £90, according to scale.—B 78274.

Music Mistress for Public Secondary School in the West of England to teach Pianoforte, Class Singing, and Musical appreciation; Violin a recommendation. Good scope for well-qualified Mistress. Diploma, experience, and knowledge of modern methods. Non-res. £140 to £200, increasing to £240, according to scale.—B 77022.

Junior Music Mistress for large Public Boarding School in the North of England. Well trained and willing to interest herself in teaching rather backward girls. Res. about £70.—B 78243.

Music Mistress for Church of England Boarding School in the West of England to teach Pianoforte. Diploma, experience, Churchwoman. Res. from £75.—B 78268.

Music Mistress for Training College in Wales to teach Voice Production, Singing, Theory, Pianoforte, Harmony, and Musical History as required by the Board of Education and train students to teach Singing to children. Knowledge of Welsh a recommendation. Good qualifications essential. Res. £200 or more, increasing to £300.—B 78140.

Head Music Mistress for Church of England Secondary School in India to teach Pianoforte, Class Singing, and Harmony. Diploma or first-rate training, good experience, and Churchwoman

essential. Res. £135 to £180 and passage.—B 73199.

Music Mistress for large Secondary Boarding School in Australia to teach Eurhythmics and Pianoforte to an Intermediate stage. Res. £120 plus £50 towards passage. B 77922.

GYMNASTIC AND GAMES MISTRESSES.

Gymnastics and Games Mistress for Proprietary Boarding and Day School in Scotland. First-rate training and experience essential. Res. £100 or non-res. £160.—B 78083.

Gymnastics Mistress for Public High School in Yorkshire, able to teach Gymnastics, Games, and Remedial Work. Dancing a recommendation. Dartford, Bedford, or Chelsea training preferred, good experience essential. Non-res. according to scale, £120 increasing to £240, with extra fees for Dancing and Remedial Work out of school hours.—B 77774.

Gymnastics Mistress for County Secondary School in the Home Counties, to teach Drilling, Games, Singing, and give some subsidiary help with Junior English, Writing, and Secretarial work. Non-res. £100 to £190 plus, extra for Dancing.—B 78316.

Gymnastics Mistress for large Private Boarding and Day School near London, to teach Gymnastics, Games, Remedial Work, Hygiene, and help with little ones. Liverpool or Chelsea training preferred. Knowledge of Girl Guide work a recommendation. Res. £80 to £90 increasing.—B 78006.

TECHNICAL MISTRESSES.

Domestic Science Mistress for high-class Boarding and Day School near London, to teach Cookery, Laundry Work and Housewifery, Needlework, Hygiene, First Aid and Home Nursing, and undertake some Housemistress duties. Experience in Boarding Schools desired. Res. £80 to £90.—B 78239.

Lecturer in Hygiene and teacher of Needlework and other Handwork required for Training College in Wales. Res. £200 or more.—B 78141.

Needlework Mistress for large Public Boarding School in the North of England, to assist in the management of the house. A young lady with good Needlework qualifications desired. Res. £70 to £80.—B 77722.

JANUARY VACANCIES FOR NATIVE FRENCH TEACHERS.

French Mistress for large Private Day School near Manchester. Resident £65, or non-res. £120.—F 78328.

French Mistress for high-class Boarding and Day School near London, to teach French to

Matriculation and Higher Local standard. Good diplomas and experience in English Schools essential. Res. about £70, might be made non-res.—F 78306.

French Mistress for Boarding School in Sussex, to teach French; knowledge of Phonetics and

experience in English Schools essential. Res. £80.—C 77710.

French Mistress for Private Boarding and Day School on the N.W. Coast. Diploma and experience. Res. £70 to £80.—C 78259.

MATRONS' AND HOUSE-MISTRESSES' DEPARTMENT.

Messrs. TRUMAN & KNIGHTLEY have many vacancies in Public and Private Schools for Boys and Girls for experienced School Matrons, House Mistresses, and Housekeepers at salaries ranging from £50 to £100 per annum, with board and residence.

ASSISTANT MASTERS' DEPARTMENT.

This department is under the personal direction of Mr. HEARD (of Westminster and Trinity College, Cambridge), who is in personal touch with the Head Masters of many of the leading Public, Secondary, and Preparatory Schools in the British Isles. There are already a large number of good appointments on the books for January.

No Charge for Registration.

Reduced Terms of Commission.

Offices:

158-162, OXFORD STREET, LONDON, W.1.

Telegrams: "Tutoress, Phone, London."

Telephone: Museum 1136.

BLACKIE & SON'S NEW LIST

Experience has proved that Messrs. BLACKIE & SON'S Books take a foremost place by reason of their scholarly editing, clear type, strong binding, and reasonableness in price.

THE GROUNDWORK OF BRITISH HISTORY.

By **GEORGE TOWNSEND WARNER, M.A.**, sometime Fellow of Jesus College, Cambridge; Master of the Modern Side in Harrow School; Author of "A Brief Survey of British History," &c., and **C. H. K. MARTEN, M.A.**, Balliol College, Oxford; Assistant Master at Eton College. With Maps, Time Charts, and Full Index. 764 pp., super-crown, 8vo, 7s. 6d. net. Complete in One Volume.

In Two Parts, 4s. 6d. each net. Part I, B.C. 55-1603; Part II, 1603-1911.

For the convenience of those requiring the book for certain examinations it is also issued—

In Three Sections, 3s. 6d. each net:—Section I, 55 B.C.-1485 A.D.; Section II, 1485-1714; Section III, 1714-1911.

SCIENTIFIC METHOD ITS PHILOSOPHY AND ITS PRACTICE.

By **F. W. WESTAWAY**. New and Revised Edition. 10s. 6d. net.

At the present time, when science touches life at so many points, and so much of human energy and intelligence is given up to its pursuit and advancement, there is a clamant need for a book explaining the fundamental principles of scientific investigation. Such a book is here provided. To make the book as useful as possible to the greatest number of students and scientists, it has been found necessary to discuss the philosophic notions on which the developing Scientific Method of to-day is based.

A FIRST COURSE OF LABORATORY EXERCISES IN PHYSICS.

By **DAVID BAIRD, M.A.**, Science Master, Greenock Academy. 1s. 6d. net.

This Course of Laboratory Exercises in Physics is designed for pupils in the first two years of their experimental work in Physics.

THE GOLDEN BOOKS OF ENGLISH VERSE.

A Graduated Course for Class study. Arranged by **FRANK JONES, B.A.**, Senior English Master, King Edward's School, Aston, Birmingham. In Three Books. Book II, now ready. 2s. net. Books I and III, in preparation.

The chief feature of this series is the teaching apparatus provided at the end of each poem. The objects kept in view in drawing up these aids have been to save the teacher's time, and to provide the pupils with an instrument by which they might test the thoroughness or otherwise of their understanding of the poem studied. Each teacher will no doubt supplement them as necessity arises; and to the pupils who have studied a poem in order to answer the questions asked, the aids will suggest other points for further consideration with the help of the teacher.

A LATIN GRAMMAR FOR BEGINNERS.

By **A. M. DALE, B.A.(Lond.)**. 2s. 6d. net.

This is a book for pupils beginning Latin at the age of twelve or thirteen, and is intended to cover the first year's work. The aim throughout has been to make use at once, in writing or speech, of every new piece of knowledge acquired in the lessons. The Exercise section is a most important part of the book, and is meant to afford ample practice from the very beginning in sentence-analysis and sentence-construction.

A BOOK OF ENGLISH HISTORY FOR CHILDREN. Part I.

By **LILIAS MILROY**, Head Mistress of the Leamington High School for Girls, and **ELIZABETH M. BROWNE**, formerly Assistant Mistress in the Truro High School for Girls. 2s. 6d. net.

This history book seeks to steer a course between those mere "outlines," which are bound to be lacking in interest for young children, and the books of stories from history, often delightful to the readers, but apt to be rather too bulky for use as textbooks. The aim of the authors has been to select carefully the more important movements and the more picturesque incidents of history, and in connexion with these to give those ample details which children love, and at the same time to preserve a clear chronological sequence.

A NEW GRAMMAR BOOK.

By **AGNES CATNACH, B.A.(Lond.)**, Assistant Mistress at King Edward's Girls' High School, Birmingham. 2s. 6d. net.

This book seeks to connect more closely the formal study of language with adequate expression of thought, and to attain this end all the work is based on the study of the sentence. It is hoped that to children studying on these lines English Grammar will be a subject of living interest and that the various facts of grammar will gain that logical connexion which they so often seem to lack.

The matter has been set forth as simply as possible, and in a manner to retain the interest of the pupil.

THE WARWICK SHAKESPEARE.

General Editor—**Prof. G. H. HERFORD, Litt.D.**

Professor of English Language and Literature in the University of Manchester; Examiner of English in London University.

The chief characteristic of this well-known edition is the prominence given to the literary and æsthetic view. The text of each play is accompanied by an Introduction, Notes, Glossary, and an Essay upon Metre. The Introduction is divided into clearly marked sections, the literary and critical matter being thus separated from questions of date, authorship, &c.

The WARWICK SHAKESPEARE holds place as the standard edition for the more advanced study of Shakespeare as literature, and is now universally recognized as the best annotated edition for school use. Crown 8vo, cloth boards. 2s. net each.

THE JUNIOR SCHOOL SHAKESPEARE.

A series of the greater Plays, edited, with Introduction, Notes, &c., by Experienced Scholars, for Junior Students and Junior Candidates in the University Local Examinations. Clearly printed and neatly bound in limp cloth covers. With Coloured Frontispiece. 10d. each.

BLACKIE'S LONGER FRENCH TEXTS.

From Modern French Literature. Printed in large, clear type, with brief Notes, Exercises, Phrase List, and Vocabulary. Fcap. 8vo, 10d. net each.

LE LIVRE ROUGE.

A First Book of French in Coloured Pictures. By **E. MAGEE**, Edgbaston High School for Girls, Birmingham. With many full-page Coloured Pictures and other Illustrations. Fcap. 4to. 2s. 6d.

THE PLAIN-TEXT SHAKESPEARE.

A neat edition of the greater plays of Shakespeare, presented in a serviceable form at a cheap price. The text follows the well-known Junior School Shakespeare, which omits everything that might be thought undesirable in class reading. Cloth covers, 7d. each.

BLACKIE'S LITTLE FRENCH CLASSICS.

Representing all important French Authors from Montaigne to Bourget. Fcap. 8vo. 6d. each.

LE LIVRE BLEU.

A Second Book of French in Coloured Pictures. By **E. MAGEE**. With sixteen full-page Coloured Pictures and many other Illustrations. 2s. 6d.

A SURVEY OF MODERN HISTORY.

By **H. W. HODGES, M.A., F.R.Hist.S.**

Late Exhibitor of Lincoln College, Oxford; Head of History and English Department, Royal Naval College, Dartmouth. 6s. net.

This textbook of the history of the nineteenth century is intended for use in preparation. It provides the student with such a material background as should enable him to understand the history teacher's lectures on the subject, and estimate rightly the relative importance of the various happenings.

Prospectus post free on application.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.
AND AT GLASGOW AND BOMBAY.

2221

Supplement to
THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 604.

NOVEMBER 1, 1919.

VACANCIES IN SCHOOLS

IMPORTANT

So many Schools at present being full, some with long waiting lists, it will be an assistance to us, in dealing with the large number of inquiries daily received, if Principals likely to have vacancies for the next two terms will notify us as early as possible.

J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON, E.C. 4. Telephone: Central 5053.

VERB. SAP. I

Prizes

THE BEST VALUE. THE BEST SERVICE. COMPLETE SATISFACTION.**Transition Catalogue of Books in Leather Bindings free to Heads.**

EVERYTHING FOR SCHOOLS
THE EDUCATIONAL SUPPLY ASSOCIATION LTD
 STEVENAGE HOUSE, 40-44 HOLBORN VIADUCT, LONDON, E.C.1

LA PETITE REVUE

(Reliance Press, London.)

Do your Pupils take it? Vol. IV STARTING.

News, Competitions, Plays, Jokes. For boys and girls.
 Parcels, post free, **three** times a term at the rate of **6d.** per pupil,
 and pro rata. *Supported by many educationists.*

*Special this term—*Oct & Nov. **Petite Comédie**, par OLGA DE BOYES.

ANECDOTES DE NOS LECTEURS, &c.

Specimens free, and "Opinions."

H. J. PURKISS,
KING'S SCHOOL, GRANTHAM.

SAVE 50% of your TIME

by ordering your NEW BOOKS
 through Mr. John Davis, who can
 always secure good second-hand
 copies of manuals out of stock
 at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a
 further order for you, as I am well pleased with your past efforts to
 secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C.4.

Price 3/6 Net.

A BOOK ABOUT AUTHORS.

Reflections and Recollections of a Bookwright.

By A. R. HOPE MONCRIEFF.**A. & C. BLACK, Ltd., 4, 5, & 6 Soho Square, London, W. 1.**

EDUCATIONAL BOOKS PRE-WAR PRICES.

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C. 4.

"THE JOURNAL OF EDUCATION AND SCHOOL WORLD," MARCH and MAY 1919.

One Shilling each offered for copies in fair condition.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4

NATURE STUDY.

Birds and small animals mounted for painting studies. British
 and tropical Lepidoptera, &c., mounted in neat glazed cases.
 British Lepidoptera reproduced on silk, set of 50 different, **4s.**
 50 new copies of Ward's "Life Histories of Familiar Plants"
 (now out of print), 86 fine photo plates, published 6s., **3s. 6d.**
 Cassell's "Nature Study Book," 6 vols., hundreds of plates, &c.,
35s. Lists.—**A. FORD, 36 Irving Road, Bournemouth.**

A. & C. BLACK'S FIRST (REFORM) FRENCH COURSE

Edited by

F. B. KIRKMAN, B.A. Oxon.

A New Book for Beginners in French.

PETIT COURS PRÉPARATOIRE.

By L. H. ALLISON, Organizing Mistress in Modern Languages to the West Riding Education Committee. A two-term course in **phonetic transcript** leading up to **La Première Année**. May be used independently. Containing Frontispiece in colours, several black-and-white illustrations and line drawings in the text. Price **2s.**

Chief features:—(1) Systematic and thorough training in the production of French sounds; (2) Vocabulary built up on the sounds as taught; (3) Intonation Exercises; (4) All the lessons have been practically tested in various classrooms during the last four to five years; (5) LESSON NOTES (*supplied gratis*) provide all the information necessary for the teacher; (6) If followed by the Phonetic Edition of **Première Année** (1ère Partie), a full year's course in Phonetic transcript is secured.

La Première Année, with Coloured Plates.

LA PREMIÈRE ANNÉE DE FRANÇAIS

By F. B. KIRKMAN, B.A. A day passed by an English boy in Paris. Sixty-three illustrations, of which four are in colour. Ninth Edition. Price **3s. 6d.**

New features:—(i) Four Coloured Plates—(i) Un Cocher Parisien, (ii) Le Charmeur d'Oiseaux, (iii) Les Champs Elysées, (iv) La Seine; (2) A prefatory note containing suggestions as to the best way of using the book so as to obtain the best results.

PREMIÈRE ANNÉE DE FRANÇAIS.

Première Partie (Phonetic Edition). Third Edition, Revised, and with the Liaison of words indicated. Transcribed by Prof. D. L. SAVORY, M.A. Illustrated. With Teachers' Lesson Notes (*gratis*) by L. VON GLEHN. Price **1s.**

SOIRÉES CHEZ LES PASCAL.

By F. B. KIRKMAN, B.A. A First Reading Book. Evenings with the Fairies. Five Coloured Plates. Second Edition, completely revised. Price **1s.**

FIRST FRENCH SONG BOOK.

By R. B. MORGAN, B.Litt. Thirty-seven Songs, of which ten are in Phonetic Script. Airs and Tonic Sol-fa. Third Edition. Price **1s.**

COLOURED WALL PICTURES

to accompany **La Première Année de Français**. No. 1.—La Famille Pascal à Table. No. 2.—La Porte Saint-Martin à Paris; a Street Scene. Both drawn from French Models and Photographs. Measurements: 45 by 35 in. Prices: on linen, with rollers, varnished, **7s. 6d.** net each; unmounted, **3s.** net each. Write for post card (reproductions in colour facsimile).

All Lesson Notes for Teachers separate and *gratis*.

A complete list of texts, with recommended courses will be sent on application to the Publishers.

Published by A. & C. BLACK, Ltd.,
4, 5, & 6 Soho Square, London, W. 1.

CORRESPONDENCE.

"SCHOOL GRAMMAR OF PRESENT-DAY FRENCH."

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—In giving an account of my "School Grammar of Present-day French" your reviewer asks what authority I have for qualifying with the word "usually" the "ordinary rule" that the conjunctions *à moins que, bien que, afin que, avant que, sans que, &c.* (to the number of sixteen or more), introduce clauses in the subjunctive mood. My grammar is founded not on "authorities," but on the documentary evidence available as to the present state of development of the French language. May I, through your columns, make it known that I shall be grateful to any of your readers who will communicate to me any departures from "ordinary rules" which they come across in the course of their reading, and, as the particular point raised by your critic is not without interest, may I quote a few examples out of a number which I have at hand in order to justify my reluctance to dogmatize? *Modern Language Teaching* reprinted from *Le Temps* in December 1916:

"Plus tard, plus tard, enfant de demain, toi pour qui
Ces vaillants seront morts *avant que tu naquis*. . . ."

It may be argued that here the necessities of rhyme seduced a prentice poet from the narrow path of "correct grammar," but the following quotations are not open to this objection:

"Je vous promets de les chercher, *bien que cela me paraît difficile*" (H. Malot). "Dans la Provence, ces troubles avaient été plus sérieux, *quoique* leurs causes furent purement locales" (H. Martin). "*Si peu que nous en dirions*, nous en dirions trop" (Journal). "Un mois tout entier se passa *sans qu'elle* ni moi nous nous donnâmes signe de vie" (Courteline). ". . . *Bien que*, dans la Préface de Germinie Lacerteux, on croit saisir un reflet du socialisme de 1848" (A. Delzant). I abstain, of course, from quotations such as "Je lui dis: 'Peut-être qu'on peut se marier *malgré qu'on est* infirme,'" (M. Audoux), which are borrowed from the speech of the people. It would avail nothing to plead that the sentences quoted above are "incorrect." We have no title to pass judgment on the syntax of Henri Martin or Hector Malot, to approve or to condemn; but what they have written they have written, and it must be recorded.

May I also mention that verbs of "feeling," referred to by your reviewer as "missing," are fully dealt with in Section 379, and that verbs of "knowing" and "thinking" used affirmatively are treated and exemplified in Sections 373 and 374? I have delivered the usual goods, but the labels are perhaps new and unfamiliar. Lastly, I wish to thank your reviewer for pointing out a statement on page 173 which is certainly awkwardly expressed and hardly intelligible. It would be clearer if written "[Certain conjunctions] are regularly followed by a verb in the 'future in the past' tenses of the indicative." The quotation marks would perhaps remove the ambiguity.—Yours faithfully,
J. E. MANSION.

20 Sudbrooke Road, S.W.12.

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—Mr. Mansion is quite right in saying that *à moins que, bien que, afin que*, and others, "usually" take the subjunctive. Plattner, in his "Ausführliche Grammatik der französischen Sprache," II, 3, page 55, quotes several instances where the subjunctive is not used: "*Quoique nous en donnons*" (J. Mouton); "*quoique leurs causes furent locales*" (H. Martin); "*bien que cela me paraît*" (H. Malot); "*quoique ça ne m'étonnerait pas*" (C. Bias); "*malgré qu'il avait de grosses pattes*" (A. Bauquenne); "*bien que nous en eûmes le droit*" (R. Maizeroy).

And here is a sentence I take from Charles Monselet, "Les Originaux du siècle dernier" (Dorvigny): "Ce fait n'est pas absolument prouvé, *quoiqu'il n'aurait eu* malheureusement rien d'étonnant."—Yours truly,
C. F. HERDENER.

Hatfield College, Durham.

October 9, 1919.

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—I am obliged to you for giving me an opportunity to reply to the letters of Mr. Mansion and Mr. Herdener. Their researches will no doubt be interesting to scholars, but the question is what is to be taught to schoolboys and schoolgirls, for Mr. Mansion's book is, according to the preface, designed "for the middle and senior forms of secondary schools." Does Mr. Mansion think that boys and girls ought to be taught that *bien que*

and *quoique* take the subjunctive only "usually"? Does he hold that an examiner ought to accept the indicative after *avant que* or *sans que*?

Littre does not recognize any mood but the subjunctive after any of the sixteen conjunctions, except, of course, *jusqu'à ce que*, and *sans que* in seventeenth-century French. Surely the degree of exactitude which is good enough for Littre is good enough for English schoolboys.

The conjunctions in question number fifteen; your correspondents quote instances of the indicative and conditional after four of them (*malgré que* and *si peu que* are not in the list under discussion). What about the other eleven?

But the really vital question is: are the instances quoted to be regarded as legitimate exceptions to the normal usage or as mere eccentricities and curiosities? It is on this point that one would like to hear the opinion of some of these "authorities," whom Mr. Mansion thinks it unnecessary to quote, although he says in his preface that he has consulted them all. Perhaps we ought not to condemn the syntax of French authors, but French grammarians certainly may. A usage is not necessarily legitimate in a language, least of all for foreigners, because one or two cases of it may be found by diligent search amongst authors of all ranks.

As regards Mr. Mansion's other point, my view was, and is, that his treatment of the subjunctive, though very instructive, is not calculated to give clear guidance to young people.—Yours, &c.,

THE REVIEWER.

THE RELIGIOUS AND SOCIAL TRAINING OF CLUB WORKERS.

To the Editors of *The Journal of Education and School World*.

SIRS,—The need for recreation huts and canteens which has been emphasized by the War has brought greatly to the fore the whole problem of club leadership, whether amongst men or women. Such work has often proved ineffective in the past, in spite of much enthusiasm on the part of the workers, through a lack of understanding of the social problems involved, which is largely due to inadequate training. Even where such training has been efficient on the social side, it has often been purely secular, and the religious work, if attempted at all, sometimes fails for lack of proper preparation and opportunity for previous thought and study.

Extensive developments are likely to take place in the future, both in adult and juvenile organizations of all kinds. This is evidenced by the formation of juvenile organization committees, civic recreation councils, &c. The importance of adequate equipment of club workers cannot, therefore, be over-estimated.

The most valuable social work must be fundamentally personal, and this makes great demands on the workers themselves. To help to meet these demands a Board of widely representative and inter-denominational character has been created to promote the religious and social training of club-workers, both women and men.

This Board proposes to grant (1) a diploma, (2) a certificate, to all those who have passed a sufficiently high standard of training in divinity and in social theory and practice; and to keep a register of those so qualified, which may be of use to organizations requiring workers. The social training, where possible, will be that already existing in University departments, and will be in close touch with some settlement or other social institution where general experience in social work, including clubs, can be obtained. The religious study will be undertaken under the guidance of tutors, and, where possible, in connexion with courses of lectures and discussion classes. Its aim will be the practical application of Christianity to the social problems of the day.

It is expected that during this important period of reconstruction many will feel the need of better preparation for the calls about to be made upon them. It is hoped these will be able to avail themselves during the autumn of this year, and in the future, of the help and guidance offered to them by the Board.

Further details as to facilities for local lectures, tuition, books, fees, &c., can be obtained from the Tutor and Secretary, Miss M. West, 15 Wimpole Street, Cavendish Square, London, W.1.

Contributions are urgently needed, and can be sent to the Secretary.

(Signed)

H. BISSEKER,
F. M. BRUCE,
EDITH GLOVER,
T. A. LACEY,
ELIZABETH MACADAM,
H. R. MACKINTOSH,
A. MANSBRIDGE,
CONSTANCE PARKER,

HELEN REID,
HERBERT E. RYLE,
C. ANDERSON SCOTT,
W. SELBIE,
R. H. TAWNEY,
W. TEMPLE,
GRACE TOTTENHAM,
E. J. URWICK.

NATIONAL HOME-READING UNION.

To the Editors of *The Journal of Education and School World*.

SIRS,—I desire to invite continued sympathy and support for the National Home-Reading Union, which, after encountering the many difficulties of five war sessions, enters upon its thirty-first year with steadily enlarging opportunities for its work and a deepened sense of its importance.

Its aim is to turn the power of reading to the best personal and social uses so as to make it a household joy and a help towards the conduct of daily life. Its main work is among the nation at home and in several of the Overseas Dominions. During the war it extended its activities in close co-operation with the Y.M.C.A. and the Y.W.C.A., not only among munition workers in this country, but among the forces in Great Britain, France, and elsewhere, particularly in camps and military hospitals. It is now prepared to continue this work among demobilized men and women and repatriated prisoners of war.

Courses of reading, pursued at the suggestion and with the active help of the Union, have proved a powerful antidote to the spirit of unrest and an aid towards carrying on National Service cheerfully, steadily, and effectively; and the Union claims to be helping in no small measure to maintain in the present, and to secure for the future, a standard of high thought, intelligent interest, and true patriotism.

I appeal for enlarged membership, for material support, and, above all, for personal service in carrying on our high aims. The Secretary, 12 York Buildings, London, W.C.2, will gratefully receive donations, large or small, towards the Union's slender funds, and will gladly supply further information as to its work and methods to any one who is interested in its aims and desires to further them.—I am, Sirs, yours faithfully,

October, 1919.

J. W. MACKAIL.

"WHY ARE NOT MODERN LANGUAGES RESPECTED?"

To the Editors of *The Journal of Education and School World*.

DEAR SIRS,—In the valuable article contributed to your August issue by Mr. G. F. Bridge, he omitted to name one of the causes why modern languages are despised as elements in a liberal education. This cause is the exceedingly low standard set at public examinations. It is not so very long ago that a correspondent wrote to the *Times*, saying that he had given the Army French paper to his daughter of twelve, who gained over 60 per cent. of the marks. The standard since then has by no means been raised. The same may be said of the French papers of the London Matriculation Examination and other entrance examinations of the same nature. They fall far below the standard of twenty years ago. The consequence is that students despise the subject, as they think that any duffer can pass in it, and they give their time to more difficult studies. It is only a step from despising a subject to despising the teacher of it. In comparatively few boys' schools are modern languages taken seriously. There are a few outstanding English teachers, who have qualified themselves by hard study at home and by residence abroad, who insist on getting good work out of their pupils, but the number is not great; and the number of Frenchmen who are able to do the same is fewer still.

X. Y. Z.

MINOR NOTICES.

CLASSICS.

- (1) *Virgil: Aeneid X.* By PAPILLON and HAIGH. (2s.)
- (2) *Virgil: Aeneid V.* By C. E. FREEMAN. (1s. 9d.)
- (3) *Horace: Select Odes.* By J. JACKSON. (1s. 9d.) (Clarendon Press.)

We group these three books together, as they are school books. By contrast with Mr. Fowler's book they are as water to wine. He treats Virgil as poetry, as grand art; they treat their authors as poetry for elementary students, for beginners. He is a *prophetes*, they are *paedagogi*. Let us admit that they are very good *paedagogi*. All three are on the same lines, with introduction, text, notes, and vocabulary. Papillon and Haigh's book is somewhat more advanced than the others. It is for senior students: they belong to the "New Oxford Junior Latin Series for Beginners." "Aeneid X" is not as good a book for beginners as "Aeneid V." It tells of the fighting and deaths of Pallas, Mezentius, and Lausus, but the book as a whole is not so self-contained as V, which tells the story of Aeneas' second visit to Sicily, and has a unity of its own. Papillon and Haigh's edition is a reprint simplified from their well known standard edition of the whole poem. On page 17 Aen. XII 722 should be 772. Mr. Freeman has an excellent intro-

duction, showing the importance of Book V in the development of the poem and of the character of Aeneas, and Mr. Jackson has made a good selection of twenty-five of Horace's Odes for beginners. We wish Mr. Freeman would not say "after" when he means "depending on" (lines 163, 370). "*Enim*: emphatic" (line 395) is not a helpful note. On page 100, *pulcherrima* is in the regular position of an adjective qualifying a noun antecedent; *cultu* is better ablative of respect, and *namque* is fourth word, not third. Mr. Jackson seems to overlook the fact that *dum* "while" regularly takes the historic present (II, 10), *superstiti* (III, 12) is proleptic, *corporibus* (XIII, 15) is governed both by *nocentem* and by *metuenus*; in XXV, 10-14, the *qua* clauses, not too well expressed by Horace, are better taken with *ex humili* than with *deduxisse*. He gives the names of only two metres; why not that of the Asclepiad, which is very common, as well as of the others? The marking of the vowels in the vocabularies is not satisfactory. Mr. Jackson talks of vowels being lengthened by position, and although the others do not make this mistake they all refrain from marking long vowels before two consonants. Mistakes are made in the following:—In Aeneid X, *dē-cido*, *dē-cutio*, *dē-decus*, *dē-sino*, *dē-mitto*; in Aeneid V, *hōnōs* as well as *honor* (cp. line 763); in Horace, *adlūtum*, *bāca*, *phasēlus*. In compounds of *iacio* the first syllable is long, e.g. *ōbicio*.

A Latin Grammar for Beginners. By A. M. DALE.
(2s. 6d. net. Blackie.)

This book has been specially written for first year pupils, and contains some good features, e.g. the printing of endings in thick type in the case of the declension of nouns and conjugation of verbs. Long quantities are marked, but upon no system—sometimes we have *nāvis* and at others *navis*; *virtūs*, *-ūtis*, but *tempestas*, *-ātis*. The book is in two parts: Part I contains Grammar and Vocabularies, and Part II Exercises. These last are of the familiar disconnected type, in which no human boy could possibly take any interest. But Part I is better, and makes a special feature of stressing the inflected nature of the Latin language.

Speeches from Thucydides selected from Jowett's Translation.
(1s. net. Clarendon Press.)

It was a good idea of Prof. Murray to gather together the speeches of Thucydides, and to publish them with a foreword directing attention to the parallels between the Peloponnesian War and the recent Great War. The present volume reproduces Jowett's translation, and is meant for the English reader, who will thereby be reminded of what every Greek scholar knows—that the history of Thucydides is a *κρήμα ἐς αἰῶνα* in a sense more far-reaching than the author himself realized when he wrote those words. The principles, for example, manifested by the famous Melian Dialogue, are identically the same as the principles of *Realpolitik*, and there are many other most illuminating points of similarity both between Sparta and Germany, and also—none the less worthy of our attention—between Germany and Athens. And yet we are told that the Classics are dead!

Elementary Latin Translation Book. By the Rev. Dr. A. E. HILLARD and C. G. BOTTING. (2s. 9d. Rivingtons.)

We welcome this book not only because many teachers will find it very useful, but also as a sign of improved methods of teaching. It consists of simple stories—adventures of Ulysses, the labours of Hercules, stories about Croesus, Phaethon, &c.—which have been specially written in such a way as to employ no grammatical form or construction with which the pupil is not already acquainted, and, of course, new forms are gradually introduced instead of having to be assimilated *en masse* at the beginning before the pupil starts any translation. This is the right method, and we hope the book will be widely used.

EDUCATION.

Mental Conflicts and Misconduct. By WILLIAM HEALY.
(10s. 6d. net. Kegan Paul.)

Mr. Healy is the Director of the Psychopathic Institute in connexion with the Juvenile Court at Chicago. Accordingly, he has had exceptional opportunities of studying juvenile delinquency in all its forms. The book is rather an exposition of a certain number of definite cases—forty, to be exact—with a running commentary on each, than the elaboration of a theory illustrated by relevant cases. There is this great advantage in the method adopted, that there is no temptation to maintain a thesis at all costs. The reader is not left without guidance, for the first four chapters give a general statement of the standpoint adopted and the methods applied. Mr. Healy is in general agreement with the psychoanalysts, but declines to follow them all the way. His contribution cannot but be received by them as a valuable contribution of subject-matter, even if they have to suggest explanations that he cannot accept. Mr. Healy declines to adopt the Freudian view of the sex question, but Freudians will chuckle as they read case after

case, and note that Mr. Healy finds it practically impossible to keep sex out. The plain reader who considers merely the cases submitted will almost inevitably rise with the theory that sex disturbances are the root of all forms of misconduct, these forms being ways in which the sex *δρμή* gains an indirect satisfaction. A pleasing feature of the book is the number of cases in which the author's treatment has resulted in a cure. Too many writers on this subject seem to content themselves with a cold statement of the facts. Mr. Healy has a living interest in the improvement of his patients. The book will be found of great practical value by those who are responsible for young people of all degrees of delinquency.

An Inquiry concerning the Principles of Natural Knowledge.
By Prof. A. N. WHITEHEAD. (12s. 6d. net. Cambridge University Press.)

We have here a book the value of which it is difficult to overestimate. It points to a reconstruction of our metaphysical views as radical as that effected by Kant. Prof. Whitehead appears to regard his work as a sort of introductory chapter to the study of physics. Hitherto we have taken too much for granted the independent existence of points in space and moments in time, and have worked on the assumption that time and space have an independent existence, and may be treated apart from each other. By an original interpretation of the theory of relativity developed by Einstein and others, Prof. Whitehead sustains the thesis that this separation and this abstraction are illegitimate, and that we must found our scientific conceptions on a first-hand, immediate, direct perception. Kant no doubt recognized the interdependence of time and space as elements of knowledge, but his unification came from within, from the mind, whereas Prof. Whitehead finds the unity existing by its own right in the outer world. If he is right the spectre of the Ding-an-sich is laid for ever, and we are able to make advances in safety, if not in comfort, by means of the concept that the unit of knowledge is the event, in which time and space find their unity since neither of them can have meaning or indeed existence apart from the other. In Prof. Whitehead we have the ideal combination of rich and varied knowledge of science, a natural gift for metaphysical investigation, and an abundant store of common sense. It is gratifying to find the preacher of such revolutionary doctrine dealing so respectfully with the standard authorities whose theories he appears to destroy, though no doubt he would modestly claim that he is merely developing those theories and bringing out their full meaning. The absence of dogmatism is evidenced by the confession, of which the author is in no way ashamed, that the book "raises more difficulties than those which it professes to settle."

The Teaching of Science in the Elementary School. By G. H. TRAFTON. (6s. 6d. net. Constable.)

The editor of the "Riverside Textbooks in Education," to which series this volume belongs, says that the author's object was "to construct a simple and helpful volume for the teacher who is called upon to teach elementary science lessons, and yet has neither scientific training nor apparatus for the work." In this country, at least, it is agreed that, without some scientific training and some practice in handwork, no teacher should undertake to teach science. But, in the United States, from which country the book comes, it is evidently considered possible for a teacher to obtain all the guidance necessary from a single book prepared for the purpose. Mr. Trafton, though we think he has attempted an impossible task, provides useful series of schedules of instruction and a variety of useful hints which may be commended for their suggestiveness to teachers of science who have received some previous training and already gained some experience in teaching science. The subjects dealt with by Mr. Trafton include Nature Study, Agriculture, and Hygiene, with some reference to Physics and Chemistry.

Education for the Needs of Life. A Textbook in the Principles of Education. By Dr. J. E. MILLER. (7s. net. Macmillan.)

The purpose of this volume is to meet the needs of the education classes in normal schools. The success of its author's "Psychology of Thinking" is a sufficient guarantee of his fitness for the task he has set himself. The six chapters bear the titles: I, "The Biological Point of View"; II, "The Meaning and Aim of Education"; III, "The Child"; IV, "The Curriculum"; V, "The Principles of Method"; VI, "The Teacher." We have thus a very practical presentation of the matters that really count in the professional training of teachers. The perfect correlation of theory and practice may be frankly admitted to be beyond the power of the best of us, but we may safely maintain that we get here an unusually close approximation to the ideal. A distinctive feature of the book is the series of questions with which each chapter opens. Their purpose is not to test the reader, but to induce in his mind that "set" on which Prof. Thorndike lays so much stress as a condition favourable to learning. Particularly praiseworthy is Dr. Miller's exposition of the use of the term *function*; his treatment

will save students from a confusion of thought that examination scripts show to be very widespread. A new and most useful point is made in exposing the danger of the "blind alley" in the fixed curriculum. The chapters on the child and on the teacher skillfully complement each other, though there is more new matter on the teacher than on the pupil. Method gets the longest chapter—nearly one hundred pages—but it is as fresh and as free from pedantry as the rest of the book, which is high praise.

Modern Ideas and Methods for School Teachers and Students in Training. By JOHN EADES. (3s. 6d. net. E. J. Arnold.)

Mr. Eades tells us that his book is not intended to supplant but to supplement the ordinary book on school method. Further on he remarks that "it is theory and practice combined." Accordingly we looked to find another of those gallant attempts to combine two things that so obstinately refuse to mingle. The text, however, gives us nothing of the kind. It consists of a series of more or less disconnected "notes" made by a practical teacher. Chapter I consists of 86 pages of General Notes that read like educational table talk. The remaining fifteen chapters deal each with a separate subject of the curriculum, but in a very brief and unsystematic way. The general effect of the book is one of scrappiness. There is an absence of any unifying principle, or guiding line. Yet the matter is in itself thoroughly sound and the *obiter dicta* are evidently based on wide and intelligent reading and considerable experience. It is quite likely that young readers may be attracted by the rapid change of subject and by the interesting way in which the writer expresses himself. The book certainly justifies its claim to rank as a useful adjunct to a drier and more systematic textbook.

Schools of To-Morrow in England. By JOSEPHINE RANSOM. (1s. 6d. net. Bell.)

We reciprocate heartily Miss Ransom's hope that nothing will ever interfere in England with the freedom that now exists for enterprise in educational work. Educational experiments and research deserve every encouragement, but it is important that teachers undertaking them should be adequately prepared for this pioneer work by full knowledge of the experience already gained and of the principles which previous workers have elucidated. This has hitherto not been always the case; and it may well be believed that, if some of the "pioneers" of whom Miss Ransom writes with somewhat unrestrained enthusiasm had taken rather more pains with their preliminary preparation, they would have been saved some of their early mistakes. Enthusiasts for this or that subject in the curriculum, for this or that out-of-school pursuit, are apt to lose perspective, and to glorify unduly their own particular hobby. The result too often is that what may well be a most valuable auxiliary help in the sane, all-round business of education is glorified until the attempt is made to give it what it can never occupy satisfactorily—the basal and essential position in the curriculum. While we would encourage every teacher to question and test all methods of procedure, we would beg them to temper their enthusiasm with discretion. Miss Ransom provides a series of interesting impressions of a number of schools where useful work is being done on more or less original lines, and we commend these sketches to the attention of our readers.

ENGLISH.

(1) *A New Grammar Book.* By AGNES CATNACH. (2s. 6d. net. Blackie.) (2) *Concise English Course.* By A. MERCER. (1s. 6d. net. McDougall.)

The first of these quite elementary textbooks is an attempt to make English grammar a subject of real and living interest for the children who read it. Assume that this is possible, and the author should not fall far short of success, for the various facts of grammar are carefully welded into a connected whole by argument which perhaps suffers from over-elaboration. The matter is good, except on two points: far too much stress is laid upon the predicate and detailed analysis, and the recommendations of the Joint Committee on Grammatical Terminology are treated as though they were the last word on the question, whereas they are open to criticism and are not often fully adopted. But many practical teachers believe that reasoned textbooks are of little value in language teaching; they depend upon oral work, and ask for books merely to serve as notes and to supply examples. For these the second, but for two perhaps minor blemishes, would be almost ideal. The writer has tried to include too many subdivisions of his subject in the space at his command, with the result that in one or two places his treatment, even in what is clearly meant to be little more than a notebook, is scrappy. He is out of date in certain details, and his statements are essentially incomplete in others. There are no "articles" in English to-day. Still, for the capable teacher who depends upon his class work for results, and asks only for a lessening of blackboard work and note-dictating,

the book is good. There ought to have been at least twice as many exercises in the second book; those in the first are utterly inadequate.

FRENCH.

A Short History of French Literature. By W. H. HUDSON. (6s. net. Bell.)

To write a readable and instructive history of French literature in three hundred pages is no easy task, but Mr. Hudson, who, to the great loss of the popular extension of knowledge, died in August, 1918, has achieved the feat. His volume is—what histories of literature so seldom are—a real live book, the product of a fresh and lively mind, and it will be found a serviceable guide by those who wish to acquire a good working knowledge of the subject for the purposes of their own pleasure and mental improvement. To those who know Mr. Hudson's other works, it is scarcely necessary to say that his criticism of the French writers is always sane and well-balanced. He has a keen eye for merits and defects alike. He is at his best, we think, in his accounts of great prose writers—Montaigne, for example, and Pascal, Voltaire, Diderot, Ste Beuve. In dealing with French literature prior to 1660, he has confined himself to very narrow limits—wisely, we think, for, as he says in his preface, it is modern literature which has the greatest interest for the men and women of to-day. Throughout his work, indeed, he has laid most stress on the works which are actually read; thus he dismisses Montesquieu's "Grandeur et Décadence" and "Esprit des Lois" in a line as "technical treatises which do not properly concern us here," but he gives a page to the "Lettres Persanes." He does well, no doubt, for his book is meant for the ordinary reader rather than for the advanced student; but we cannot help thinking that when he reaches the nineteenth century—the literature of which, by the way, claims 130 out of 300 pages—he carries the principle a little far. Paul de Koch, for instance, gets thirteen lines and Labiche half a page, while Tocqueville, Michelet, Thiers, and Lamennais are merely mentioned; and though Renan and Taine are treated better, this portion of the work is little more than a guide to poetry, drama, and fiction. But as such it has much value, and it is brought well up to date, the last work mentioned being Anatole France's "L'Île des Pingouins" (1909). Alphonse Daudet was evidently the author's favourite novelist, and we have no quarrel with his taste. An appreciative memoir of the author by Prof. Jack is prefixed to the volume.

GEOGRAPHY.

The "Daily Telegraph" Victory Atlas of the World. Part I. (1s. 3d. net. Geographia.)

As a result of the Great War, many atlases and maps now in use will have to be scrapped; the publishers of this atlas are, therefore, to be commended for their foresight and enterprise in having ready a work of such a comprehensive character so soon after the conclusion of peace. Part I of this Atlas, just published, contains three large maps (26 by 20 in.) namely: Australia (physical), South West Spain (political), and Germany (political and historical). Although the maps are full of detail, every feature can be read without difficulty; the towns and cities are printed in different kinds of type to show their relative importance, and the chief roads and railways are also inserted. When considering a new atlas, a reader naturally insists on the work being up to date, and at the present time the map of Germany offers a good test of this important requirement. The editor of the Victory Atlas was, therefore, wise in selecting Germany as one of the maps in Part I. This map shows the territorial changes according to the Peace Treaty of June last; the territories taken from Germany are shown in different colours, in order to indicate the power to which each now belongs. Three inset maps on this sheet show the zones of the Armies of Occupation, the areas to be evacuated after a certain number of years, and the growth of Prussia from 1740. The student is able thus to see at a glance first how Prussia developed into modern Germany, and, secondly, what has happened to Germany in consequence of the Great War. The physical map of Australia presents a contrast to the political maps. With a few contours distinctly marked and with effective colouring, the relief of the continent is strikingly shown, while the development of Australia as regards railways and goldfields is clearly indicated.

A copy of the Victory Atlas should certainly be available for reference in every school. It would also be an advantage to have the maps in separate sheets, as now published, for they are large enough to be used for teaching fairly large classes.

Map of London in Relief. By GEO. R. GILL. (6d. Gill.)

This is a very useful hand-map of the London District, and it includes within its limits St. Albans, Reading, Redhill and Gravesend. The relief is particularly well shown by means of hill shading, the gaps in the North Downs being clearly indicated. Forests.

(Continued on page 768.)

THE NORMAL WAY.

By A. MOTHERSOLE, A.C.P.,

A Normal Silver Medallist and Prize Winner.

YOU have been told there is no "royal road" to knowledge.

I'm not going to say there is; but there's an easier way than many people think, and **THAT IS THE NORMAL WAY.**

Normal students know it, and scoop up examination honours; but, as a Teacher, I should like my colleagues who are *not* Normal students to know something of the efficient and interesting methods of the NORMAL CORRESPONDENCE COLLEGE.

You are thinking of studying under these Tutors? Let me tell you what will happen.

Your work will be arranged for you. There will be no searching through syllabuses and text-books. You will not do a minute's unnecessary work if you follow the Normal.

You will be told what to read—in text-books of your own choice. You will have explanations of difficulties sent you on well-printed papers, all brought up to date. You will know who your Tutor is and his qualifications.

You will be examined, but examined with one aim—that of passing. For the "Normal" tests your newly gained knowledge, corrects your exercises—corrects them intelligently, and with the minimum of work on your part. Everything possible will be done for you.

You commence:—

- i. When you wish;
- ii. At whatever stage you wish; and
- iii. You work at your own rate.

If the Tutors think you could do better, they keep you to your best effort. You don't mind that, though, do you?

The examination will come; you will feel confident and assured. You will know how to write an examination answer—to get the maximum of marks with the minimum of worry.

Will you pass? you say.

I have been through it all, and I say, give the Normal a chance and you will pass.

Possibly, like hundreds of others, you will get your fees back from the Normal money prizes; at any rate, you will have had a splendid education during your spare time at a small cost.

Why miss such a chance?

FREE. THE NORMAL GUIDE.

Crown 8vo. Price 6d. net.
Free to readers of this paper.

NORMAL CORRESPONDENCE COLLEGE.

Melford Road, East Dulwich, S.E. 22; and Avondale Square, London, S.E. 1.

and parks are tinted green, the rivers are drawn with blue, and the roads with yellow lines. No distinction is made between main and the less important roads. The main road from London to Tonbridge is marked as far as Farnborough, but the section from Farnborough over Polhill and through Sevenoaks is omitted.

HISTORY.

India's Nation Builders. By D. N. BANNERJEA. (7s. 6d. net. Headley.)

The presumptuous title, the preface, the introduction, and the selection and arrangement of the contents all stamp this book as a political pamphlet. It is ostensibly a collection of character sketches of fifteen persons, of whom eight are, like the author, natives of Bengal. One is a Parsee, an exceptional member of a level-headed community whose "intensive specialization in business and commercial activities has atrophied the political fervour which springs from altruistic idealism." One is a Mohammedan, Sir Syed Ahmad Khan, whose wise caution is stigmatized as reactionary. Offensive references of this nature pervade the book and reveal its true purpose. Among the other persons dealt with are Messrs. Gokhale, Tilak, Gandhi, and Lajpat Rai. Such are the builders of the Indian nation that now is or is about to be! Of the long succession of brilliant men who laid broad and deep the true foundations of India's future nationhood, this volume makes practically no mention. Some of the sketches are of biographical interest, but the majority are fragmentary. To a reviewer who has had personal acquaintance with a number of these "nation builders," the book as a whole is a travesty. European admirers of Rabindranath Tagore, the subject of the leading sketch will do well to note that distinguished Nationalist's candid confession of the incompatibility of the caste system and national unification.

"The Edina Junior Histories."—Part I: *The Age of Settlement*, B.C. 55–A.D. 1154. Part II: *The Age of Chivalry*, A.D. 1154–1485. Part III: *The Age of Discovery*, A.D. 1485–1603. By A. L. WESTLAKE and T. FRANKLIN. (1s. 4d. each net. Johnston.)

These little books represent a marked advance in historical primers for elementary schools. They are well printed on good paper, and they are illustrated by a series of exceptionally clear and educative sketch maps. Their distinctive features are, first, an abandonment of the division of English history into reigns, and the adoption of a classification according to great movements; secondly, a concentration of attention upon a few important lines of development and a consequent omission of isolated incidents; thirdly, a careful co-ordination of English history with the history of Europe generally. Teachers who use these sketches as the basis of their instruction will find in them valuable guidance and much suggestion.

The State: Elements of Historical and Practical Politics. By WOODROW WILSON. New Edition, revised by EDWARD ELLIOTT. (10s. 6d. net. Heath.)

Exactly thirty years ago Dr. Woodrow Wilson, at that time Professor of History in the Wesleyan University, Connecticut, published the first edition of this work on "The State." By giving in a convenient form a summary of the constitutions of the principal governments, ancient and modern, the book supplied a real want long felt both by students of institutions and by practical politicians. In particular, it superseded for existing States the ponderous "Handbuch des Oeffentlichen Rechts" of Heinrich Marquardsen, which had hitherto been the main general source of information. Although since 1889 several revised editions of the original sketch have been issued, the revolutionary changes in the world effected during the past ten years have necessitated the entire recasting of large sections of the work. It emerges from the hands of Dr. Elliott (Professor of Politics in California University) almost a new book. The long chapters on Ancient Greece and Rome have been omitted. Wholly new chapters on Modern Serbia, Rumania, Bulgaria, Greece, Russia, Turkey, and Japan have been added. In one respect the old edition was better than the new. It contained an analytical table of contents (27 pages) and an index (18 pages). The new edition contains neither.

A Child's Book of English Portraits. (5s. net. Published by Philip Lee Warner for The Medici Society.)

This charming volume contains a printer's dozen of authentic English portraits, beginning with Beauneveu's Richard II and ending with Watts's Lord Roberts. Four only are the likenesses of monarchs; the remaining nine are of great representative men, such as Raleigh, Milton, Pitt, and Nelson. The pictures are reproduced in colours, and the mere fact that they are issued by the Medici Society is a guarantee of their superb excellence. Each portrait is accompanied by a short sketch of the person depicted, and a brief description of the work of art itself. It is a drawback that the portraits cannot be detached from the printed page; for

the ideal way to use them would be to put them grouped into a frame on the schoolroom wall, and to employ the letterpress as a guide book to them.

MATHEMATICS.

The Algebraic Cube. (12s. 6d. Barnes & Morris.)

The algebraic cube is a model designed to illustrate the formula $(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$. It consists of a wooden cube of edge $a+b$, which is divided by three mutually perpendicular planes whose volumes represent the terms on the right-hand side of the formula. The cubes whose edges are a and b are coloured blue and black respectively, the three pieces whose edges are a , a , b are yellow, and those whose edges are a , b , b are red. In this model the actual values of a and b are 6.7 cm., 3.3 cm., and the whole fits exactly into a cubical tin box of edge 10 cm. The model should be useful in showing beginners how the different types of terms in the binomial expansion arise, and in demonstrating the rule for the extraction of cube root.

A First Course in the Calculus. Part I. By W. P. MILNE and E. J. B. WESTCOTT. (9s. 6d. Bell.)

The aim of the authors has been to provide a sound training in the machinery of the calculus, basing their treatment of the subject upon geometrical intuition. They maintain, and we think justly, that a discussion of the fundamental principles based upon the modern concept of numbers and their continuation is quite beyond the comprehension of the average pupil, but that graphical treatment and practical application make the subject easy and attractive to the beginner. The sub-title indicates a limitation of the functions treated to "powers of x ," other functions being reserved for Part II; but, even so, there is ample scope to illustrate the value of the calculus as an instrument of research in geometry and various branches of applied mathematics. The examples are chiefly numerical, and usually relate to some practical problem, thus giving a sense of reality which is absent when the mere jugglery with letter's is involved. The teaching of the calculus to young schoolboys is still in an experimental stage, but we think that if it is to be pursued with success it must be conducted somewhat on the lines indicated in this book.

Introduction to Mathematical Philosophy. By BERTRAND RUSSELL. (10s. 6d. net. Allen & Unwin.)

This book, dealing with a subject which the author has made peculiarly his own, is intended to provide an account of the main results of mathematical logic in a form which for comprehension requires neither a knowledge of mathematics nor an aptitude for mathematical symbolism. Mathematicians are now fairly familiar with the investigations which a small band of thinkers have pursued into the nature of the fundamental concepts of their science; nevertheless, they will find some of the lively illustrations here given very helpful in clarifying their ideas regarding these matters. The earlier chapters deal with number, order, rational, real and complex numbers, limits and continuity—subjects with respect to which opinion has now reached a stable condition. The later chapters discuss more debatable topics, many of which lie on the frontiers of knowledge, and relate to the axiom of infinity, the theory of deduction, and the doctrine of classes. To render these discussions intelligible to a reader who has no special mathematical or logical knowledge is by no means easy, but the author has gone very far to achieve it.

SCIENCE.

"The Cambridge Nature Study Series."—*The Study of the Weather.* By E. H. CHAPMAN. (3s. 6d. net. Cambridge University Press.)

For school use this is, without doubt, the best book yet published on the subject. The writer carefully describes the phenomena that should be observed, and he indicates how records of the observations should be kept. The chapter on clouds deserves particular mention, if only for the series of striking photographs of different types of clouds. Weather charts issued by the Meteorological Office are explained in detail, special attention being given to the study of cyclones and anti-cyclones. Throughout the book questions and practical exercises are set in order to test the progress of the pupils. A useful list of books on meteorology is also given in the appendix.

The Boy's Own Book of Great Inventions. By FLOYD L. DARROW. (12s. 6d. net. New York: Macmillan.)

There is, we are glad to know, an increasing tendency to broaden and humanize school courses of science, and as University Examining Bodies extend the plan of permitting school authorities to submit their own syllabuses of instruction for examination purposes, this broadening of the school outlook will become more pronounced. The teacher of science in the United States is less dominated by syllabuses imposed by external authorities than his British

(Continued on page 770.)

UNDERWOOD LANTERN SLIDES

FROM OVER 300,000 ORIGINAL
COPYRIGHT NEGATIVES, ILLUSTRATING EVERY SCHOOL SUBJECT.

SCIENCE, INDUSTRY, TRAVEL.

New Subjects constantly added.

State your needs to—

UNDERWOOD & UNDERWOOD, Ltd., 104 High Holborn, W.C. 1.

ARE YOU USING UNDERWOOD SCIENTIFIC STEREOGRAPHS?

They are of real service in the **Visual Teaching of**

**GEOMETRY, BOTANY,
GEOGRAPHY, ZOOLOGY.**

and kindred subjects.

Any School Text-book can be used.

Underwood Stereographs enable the Scholar to "See Nature with fresh eyes." Not mere pictures—but vivid vital reproductions of real places and objects, serving the same purpose as actual travel.

It is worth a post-card to inquire—

UNDERWOOD & UNDERWOOD, Ltd., 104 High Holborn, W.C. 1.

A MESSAGE TO VIOLIN LOVERS.



We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your inquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

Lamley & Co.,

THE SOUTH KENSINGTON BOOK SHOP.

1, 3, and 5 Exhibition Rd., South Kensington. S.W.

EVERYTHING FOR STUDENTS AND BOOKLOVERS.

New Catalogue of First Editions, &c. No. 57.

Monthly List of New Books.

BERNON'S "SHALL AND WILL." 1s. 6d.

"... will deal a deadly blow to the terrible enemies of English language, viz., 'I won't be able,' 'I would like,' &c.'"—AN ENGLISHMAN."

HACHETTE, 18 King William Street, Charing Cross, W.C. 2.

Orders for monthly parts of

THE SCHOOL WORLD

for June, 1918, and earlier dates (i.e. before the amalgamation with "The Journal of Education") should be placed with

Messrs. Macmillan & Co., Ltd., St. Martin's St., London, W.C. 2.

SCHOOL PRINTING

OF EVERY DESCRIPTION.

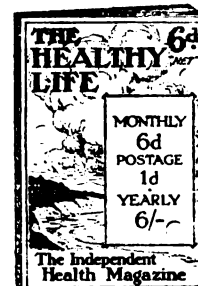
MODERATE TERMS. ACCURACY. PROMPTNESS.
SATISFACTION GUARANTEED.

THE GUARDIAN PRESS (G. ALLAN BROCKMAN, Proprietor.)
GARNHAM STREET, STOKE NEWINGTON, LONDON, N.16.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

¶ Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W. 1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



THE ANNUAL

"DIRECTORY

OF

EDUCATIONAL ASSOCIATIONS"

which has been described as ONE OF THE MOST USEFUL RETURNS PUBLISHED BY ANY BRITISH EDUCATIONAL JOURNAL will appear in the MARCH, 1920, issue of "THE JOURNAL OF EDUCATION AND SCHOOL WORLD"—a paper "indispensable to all school and college reading-rooms in these islands."—*Westminster Gazette*.

(MARCH 1919 issue is out of print.)

✎ This "DIRECTORY" will be corrected to date by responsible officials. It will give (a) number of members; (b) amount of annual subscription; (c) name of "organ"; (d) telegraphic address; (e) telephone number; (f) date and place of next annual meeting; (g) secretary's name and office address.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

colleague, and American textbooks of science for school use are much wider in scope and frequently more interesting in character than those published in this country. The present volume should be examined by all teachers of science in our secondary schools. It deals in a graphic and interesting manner with some of the great epoch-making inventions in physics and chemistry which have done so much to revolutionize human life in recent years. The senior pupils of science in our schools would be fascinated by Mr. Darrow's chapters, and, if the volume is too expensive to be placed in the hands of all such students, several copies of it might well be added to the school library. Teachers will find it invaluable in the preparation of more general lectures on scientific subjects which it is at present difficult to include in the regular curriculum. It would be difficult to find a more suitable prize for pupils studying science.

Senior Practical Chemistry. By H. W. BAUSOR.
(3s. 6d. University Tutorial Press.)

Mr. Bausor's little book is written to meet the requirements of the Senior Cambridge Local Examination in Practical Chemistry. It is divided into three sections, which deal respectively with selected preparations, simple quantitative work, and qualitative analysis. There is a chapter on the action of heat on a variety of substances, designed to familiarize the pupil with a very common type of examination question. The treatment accorded to the syllabus is very thorough—so much so that nothing whatever is left for the student to do except to carry out the precise and detailed instructions provided for him. Whilst such a method is doubtless admirably fitted for securing a good pass list, yet it nullifies almost entirely the good effects of a course in chemistry.

The Flower and the Bee: Plant Life and Pollination.

By J. H. LOVELL. (10s. 6d. net. Constable.)

Probably nothing in biology has intrigued the popular imagination more than the relations between flowers and insects. Since Sprengel first pointed out the significance of the bright hues and the nectar of flowers, the observations of Darwin, H. Müller, and a host of other workers on this subject have resulted in a store of knowledge interesting to gardeners, fruit-growers, and bee-keepers, no less than to botanists and entomologists. For all such, this book will serve as a convenient and readable summary of the main facts. The title is somewhat unfortunate, since the book very properly deals with the part played not only by bees but also by moths, butterflies, and two-winged flies in the pollination of flowers. The author is a first-hand observer, who has for many years spent much time in watching the behaviour of insects visiting the wild flowers of the northern States of America. He describes these things clearly and simply, and without the garrulity with which so many would-be popularizers of biology eke out their material. He has, moreover, illustrated his book by excellent photographs, which are excellently reproduced. Referring to what he calls certain new and bizarre suppositions which have been advanced, Mr. Lovell states that his experience has convinced him of the efficacy of natural selection in the evolution of flowers, of the advantages of cross fertilization, and of the inheritance of acquired characters. Some particulars of the evidence on which his last-named belief is founded would have been interesting.

BOOKS OF THE MONTH.

Classics.

Lucretius on the Nature of Things. Translated from the Latin into English Verse by Sir Robert Allison. *A. L. Humphreys.* Price 7s. 6d. net.

Cambridge Elementary Classics: Thucydides. Book IV, Chapters I-XLI. Edited by Dr. J. H. E. Crees and J. C. Wordsworth. *Cambridge University Press.* Price 2s. 6d. net.

The Agamemnon of Aeschylus. Translated by R. K. Davis. *Blackwell.* Price 4s. 6d. net.

The Greek Orators. By Prof. J. F. Dobson. *Methuen.* Price 7s. 6d. net.

Latin Poetry from Catullus to Claudian. Chosen by C. E. Freeman. *Clarendon Press.* Price 3s. net.

Everyday Greek: Greek Words in English, including Scientific Terms. By Prof. H. A. Hoffman. *University of Chicago Press.* Price \$1.25 net.

Practical Hints on the Teaching of Latin. By L. W. P. Lewis. *Macmillan.* Price 5s. net.

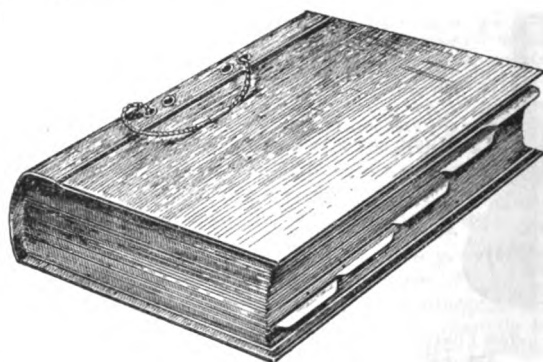
Passages for Greek and Latin Repetition. Selected by Masters at Uppingham School. *Milford.* Price 2s. 6d. net.

The Clouds of Aristophanes. Translated into Corresponding Metres by Dr. B. B. Rogers. *Bell.* Price 3s. 6d. net.

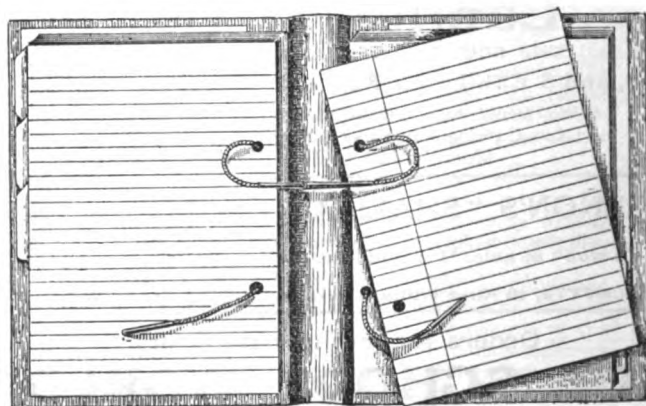
(Continued on page 772.)

WM. HUNT'S OXFORD "IDEAL" LOOSE-LEAF EXERCISE BOOK. (Patent.)

WM. HUNT'S Patent "Ideal" LOOSE-LEAF NOTE-BOOK constitutes the best and most convenient Higher Form and Science Class Exercise Book, Lecture Note Book, Loose-Leaf Scrap Book, Storage Covers for Notes, Letters and Papers of all sorts yet invented. The Book opens perfectly flat for writing, and binds up absolutely securely; can be un-made and re-made and the leaves transferred from one book to another or new leaves added in any manner without trouble and without risk of disarrangement or loss. No rings, posts, arches, or mechanism of any sort. Only one book necessary for many subjects, (each subject can be transferred to its own distinctive cover as convenient). 18 sizes and several qualities. Capacity one leaf or 300 with no lost bulk. "IDEAL" for preserving NOTES OF LECTURES and other matter in convenient and easily accessible form.



Showing the Book containing 300 sheets of paper closed. The Divisible Lace is here shown joined, by inserting the Pointed Tag into the Barrel Tag. When the Book is in use the Lace should be joined as above only. When not in use the lace ends may be tied in a bow knot.



Showing the manner of changing leaves. A leaf is shown withdrawn from one Divisible Lace before withdrawing it from the other.

PRICE LIST AND TERMS ON APPLICATION.

WILLIAM HUNT,
Manufacturing Academical Stationer,

18 Broad St. (opposite Balliol College), OXFORD.

Works: 11 ST. ALDATE'S.

AUGENER'S EDITION CLASSICAL & MODERN MUSIC

Engraved and Printed in England

LARGEST CATALOGUE OF
EDUCATIONAL MUSIC
:: IN THE EMPIRE ::

AUGENER'S SCHOOL DEPT.,
18 Great Marlborough Street, London, W.1.

For all kinds of TYPEWRITING.

Expert work only.

THE CAXTON TYPEWRITING CO.,
Caxton Buildings, Paton Street, Manchester.

BOOKS. *New or Second-hand.*

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental
Apparatus Parts and Materials.

Lenses, Achromatic or Plain, **Prisms**, **Mirrors**, and **Optical Goods**.
Best Make, Second-hand P.O., and other Galvanometers,
Relays, Electric, and Optical Instruments at

ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets, and Fittings for the
Student of Science.

Telephones, **Batteries**, **Morse Keys**, and every aid for
Radio and Telegraphic Experiments.

Our Celebrated Wimshurst Machines.

*Enlarged Catalogues of both new and second-hand apparatus and all
materials in preparation sent soon as ready.*

Call or write for information. (H. J. DALE has had fifty
years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 St. John Avenue, Bloomsbury Square, London, W.C. 1.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a

REGISTER OF TEACHERS

is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C. 1.

SCHEME FOR TEACHERS

providing Life Assurance, Capital for purchas-
ing Schools or Partnerships, and Income on
Retirement.

THE FRIENDS' PROVIDENT INSTITUTION

having made a special study of Educational
Requirements offers an adaptable form of
Policy suitable for either men or women.

FREEDOM FROM INCOME TAX

in respect of the amount paid in premiums.

For particulars send a post card, giving date of
birth, to:—

FRIENDS' PROVIDENT INSTITUTION

42 Kingsway, London, W.C.2.

THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents
and Guardians should write for "How to become a
Naval Officer" (with an Introduction by Admiral the
Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing
an illustrated description of life at the Royal Naval Col-
leges, at Osborne and Dartmouth, post free on application
to GIEVES, Limited, 21 Old Bond Street, London, W.1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announced through the
Press on the 17th July, 1919, that the scheme of Special
Entry to Naval Cadetships, which was instituted in 1913,
will be continued for a further four years. The examin-
ations are held annually in June, and candidates are re-
quired to be not more than 18½, nor less than 17½,
years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W.1.

Album Latinum. Compiled by A. G. Roper. *Blackwell*. Price 1s. 6d. net.

The Ajax of Sophocles. Translated by R. C. Trevelyan. *Allen & Unwin*. Price 2s. net.

Key to Exercises on Rules for Latin Prose. By T. C. Weatherhead. *Cambridge University Press*. Price 7s. 6d. net.

Education.

Modern Ideas and Methods for School Teachers and Students in Training. By John Eades. *E. J. Arnold*. Price 3s. 6d. net.

Essays on Vocation. By Various Authors. Edited by Basil Mathews. First Series. *Milford*. Price 3s. 6d. net.

The National University of Ireland: Calendar for the Year 1919. Dublin: *National University*.

Schools of To-morrow in England. By Josephine Ransom. *Bell*. Price 1s. 6d. net.

The Teaching of Science in the Elementary School. By Gilbert H. Trafton. *Constable*. Price 6s. 6d. net.

English.

On the Relations between Spoken and Written Language, with Special Reference to English. By Dr. H. Bradley. *Clarendon Press*. Price 2s. net.

The New English Books. By W. J. Glover. Book IV. *Philip*. Price 9d.

Tales from Shakespeare. By Charles and Mary Lamb (Selected). With Introduction and Notes by David Salmon. *Longmans*. Price 1s. 9d.

Present-Day Précis. By A. W. Ready. *Bell*. Price 2s. 6d.

English Men of Letters: Ben Jonson. By G. G. Smith. *Macmillan*. Price 3s. net.

Gulliver's Travels: The Tale of a Tub and The Battle of the Books. By Jonathan Swift. *Milford*. Price 3s. 6d. net.

Geography.

"The Daily Telegraph" Victory Atlas of the World, Part I. "Geographia." Price 1s. 3d. net.

Map of London in Relief. By Geo. R. Gill. *Gill*. Price 6d.

History.

The Expansion of Europe: A History of the Foundations of the Modern World. In Two Vols. By Prof. W. C. Abbott. *Bell*. Price 30s. net two vols.

Modern European Civilization. By R. L. Ashley. *Macmillan*. Price 8s. net.

Henry the Sixth. A Reprint of John Blacman's Memoir, with Translation and Notes by Dr. M. R. James. *Cambridge University Press*. Price 5s. net.

Days of History. By C. V. Calvert and Dr. B. L. K. Henderson. *Methuen*. Price 3s.

Odham's A B C of the Great War. Compiled and edited by E. W. Colbrook. Price 6s. net.

Italy from Dante to Tasso (1300-1600). By H. B. Cotterill. *Hurrap*. Price 15s. net.

Britain and Greater Britain in the Nineteenth Century. By E. A. Hughes. *Cambridge University Press*. Price 5s. net.

Palmerston and the Hungarian Revolution. By Capt. C. Sproston. *Cambridge University Press*. Price 7s. 6d. net.

English Constitutional History, from the Teutonic Conquest to the Present Time. By T. P. Taswell-Langmead. Eighth Edition. By Dr. C. Phillipson. *Sweet & Maxwell*. Price £1. 1s. net.

Origin of Government. By Hugh Taylor. *Blackwell*. Price 10s. 6d. net.

Mathematics.

Easy Numerical Trigonometry. By Prof. H. S. Carslaw. Sydney: *Angus & Robertson*.

University of London, University College: Tracts for Computers, No. 1, Tables of the Digamma and Trigamma Functions. By E. Pairman. *Cambridge University Press*. Price 3s. net.

Miscellaneous.

A Complete System of Nursing. By A. M. Ashdown. Reprint. *Dent*. Price 12s. 6d. net.

A Day-Book of Walter Savage Landor. Chosen by John Bailey. *Clarendon Press*. Price 2s. net.

Way of Healing. By E. Blyth. *Heffer*. Price 2s. 6d. net.

The Cambridge Pocket Diary, 1919-20. *Cambridge University Press*. Price 2s. 6d. net.

Defective Housing and the Growth of Children. By Dr. J. L. Dick. *Allen & Unwin*. Price 3s. 6d. net.

Napoleon: A Play. By Herbert Trench. Reprint. *Oxford University Press*. Price 2s. 6d. net.

Traherne: An Essay. By G. E. Willett. *Heffer*. Price 2s. 6d. net.

(Continued on page 774.)

RELIGIOUS KNOWLEDGE

For 1920 Oxford and Cambridge Locals and Coll. of Preceptors Exams.

IN MURBY'S NEW SCRIPTURE MANUALS.

Commentaries by Dr. KNAPP.

ST. LUKE ... net 4/- } For the ST. LUKE ... net 2/- } For the Prelim.
THE ACTS ... net 4/- } Senior. THE ACTS ... net 2/- } and Jun.

Leaflet post free, describing other volumes on Second Book of Samuel by Dr. Wade and Rev. J. H. Wade, St. Matthew and St. Luke by Dr. Knapp. Stereoscopic views to illustrate the Geography of Palestine. Send for particulars.

MURBY'S NEW SCIENCE SERIES.

For Secondary Schools, Colleges, and Electrical Engineering Classes.

Hobbs's Arithmetic of Electrical Measurements,

revised by A. RISON PALMER, B.Sc. ... 2/- net.

Magnetic Measurements and Experiments, by A. RISON PALMER, B.Sc. ... 2/- net.

Electrical Experiments, by the same Author ... 2/- net.

MURBY'S GEOLOGICAL LISTS.

Books in Geology published by T. Murby & Co., including Rutley's Mineralogy, 8/- net; Smith's Minerals and the Microscope, 4/- net; G. M. Davies's Geological Excursions round London, 4/- net.

The 58 most useful books in Geography supplied by T. Murby & Co.

Lists of Microscopic Sections of Rocks, Mineral Collections, &c.

List of Coal Fossils prepared by Lomax Palaeo Botanical Co.

T. MURBY & CO., 1 Fleet Lane, Ludgate Circus, E.C.4.

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK ... net 7/6

THE GIRLS SCHOOL YEAR BOOK 7/6

THE SCHOOLMASTERS YEAR BOOK 20/-

THE DIRECTORY OF WOMEN TEACHERS .. 10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,

31 Museum Street, LONDON, W.C.1.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School).

THE RUGBY PRESS, RUGBY.

Telegrams "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126.

THE ONLY MAGAZINE OF ITS KIND!

"English"

For Readers and Writers, Government Officials, Teachers and Preachers, Journalists, Business Men, Public Speakers and Private Students, and all Lovers of the English Language at Home and Abroad.

Edited by an Englishman.

Monthly, 6d. (8d. post free). Annually, 7s. 6d. post free.

The only Magazine in the British Empire devoted wholly to the English Language.

W. & G. FOYLE, LTD.,

121-125 CHARING CROSS ROAD, LONDON, W.C.2.

LANTERN SLIDES

OF

NATURAL HISTORY & SCIENTIFIC SUBJECTS.

Send for Catalogue "E."

Also made to order from Clients' own originals.

MICROSCOPE SLIDES.

New comprehensive Catalogue in the press. Please apply.

MICROSCOPES, DISSECTING INSTRUMENTS, STAINS, CHEMICALS, AND ALL REQUISITES FOR BIOLOGICAL STUDENTS.

FLATTERS & GARNETT, Ltd.,
309 OXFORD ROAD (Opposite the University), MANCHESTER.

The Only Way

“Whenever I read a book or passage that particularly pleased me, in which a thing was said or an effect rendered with propriety, in which there was either some conspicuous force or some happy distinction in the style, I must sit down at once and set myself to ape that quality. . . . That, like it or not, is the way to learn to write; whether I have profited or not, that is the way.”

—R. LOUIS STEVENSON.

Write for detailed prospectus of Philips' **NEW ENGLISH BOOKS.**

A Graduated Course of English Composition for Primary and Secondary Schools.

GEORGE PHILIP & SON, LTD., 32 Fleet St., London, E.C. 4.

If you need

BOOKS

FOR ANY

EXAMINATION,

Write to

J. POOLE & CO.,

104 Charing Cross Road,

LONDON, W.C. 2,

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

JAMES GRAY LTD.

HEATING ENGINEERS,

DANVERS ST. CHELSEA, S.W.3

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone :
Western 201.

Telegrams :
Gray 201 Western London.

The Journal of Education and School World

BOUND VOLUME FOR 1918.

THE PRICE OF THIS VOLUME IS **12/-**.

BINDING CASES, 4/-.

Certain of the previous volumes can still be obtained, price 10/8 each. A list of those in print will be furnished on application to the Publisher. Binding Cases for 1917 and previous Years, 2/8 each.

London : MR. WILLIAM RICE, 3 Ludgate Broadway, E.C. 4.

EDUCATIONAL BOOKS

SECOND-HAND OR NEW.

GALLOWAY & PORTER, University Booksellers,
CAMBRIDGE, ENGLAND.

FOR A SELECT LIST OF
RESIDENTIAL AND
HOLIDAY QUARTERS

See page 714.

- Four Plays for Young Performers. By S. C. Woodhouse. *Routledge*. Price 1s. 6d. net.
- Living Alone. By Stella Benson. *Macmillan*. Price 6s. net.
- From the Hill-Tops. By David Campbell. *Dent*. Price 4s. 6d. net.
- Youth, Youth! By Desmond Coke. *Chapman & Hall*. Price 7s. 6d. net.
- The Fairy Man. By L. Cope Cornford. *Dent*. Price 6s. net.
- The Romance of Modern Commerce. By H. O. Newland. *Seeley, Service*. Price 6s. net.
- Life, or The Tragedy of Life and the Hereafter. By Dr. R. Broadbent. *Bale*. Price 1s. net.
- Race and Nationality: An Inquiry into the Origin and Growth of Patriotism. By Dr. J. Oakesmith. *Heinemann*. Price 10s. 6d. net.
- Reconstruction, November-December, 1918: A Play in Three Acts. By Gordon Lea. *Heffer*. Price 3s. 6d. net.

Modern Languages.

- The Phonetics of French Pronunciation, being Longmans' Modern French Course, Part I, Lessons 1-10. By I. M. G. Ahern. Price 1s. net.
- The Complete Manual of Hindustāni Grammar. By S. C. Bagchi. Revised by the Rev. H. T. H. Wightwick and Prof. K. M. Maitra. *Lockwood*. Price 2s. 6d. net.
- Contes pour les Commencants. By C. M. Nesbitt. *Bell*. Price 1s. 6d.
- General Phonetics. By G. Noël-Armfield. Second Edition, Revised. *Heffer*. Price 5s. net.
- Colloquial German. By W. R. Patterson. *Kegan Paul*. Price 2s. 6d. net.
- Siepmann's French Series for Rapid Reading: Le Bal de Sceaux. Par Honoré de Balzac. — Les Gambusinos: Bermudes-el-Matasiete. Par Gabriel Ferry. *Macmillan*. Price 1s. 3d. each.
- A Spanish Commercial Reader. By John Warren. Price 3s. 6d.

Music.

- A First and Second Chap-Book of Rounds. By E. Farjeon. With Music by H. Farjeon. *Dent*. Price 1s. each.
- Singing Games for Children. Written by E. Farjeon and Illustrated by J. Littlejohns. *Dent*. Price 6s. net.

- The Four Tests: A Touchstone for Teachers and Lovers of Music. By J. E. Workman. *Methuen*. Price 2s. 6d. net.
- A Batch of Anthems and Church Music, Unison and Part-Songs from the Yearbook Press Series. *Deane*.
- A Batch of Vocal and Instrumental Music from Joseph Williams.

Religious Knowledge.

- The King's Daughters: A Book of Devotion for Girls. By J. M. Boys. *Mowbray*. Price 2s. 6d. net.
- Ground Plan, with Brochure and Indexed Key Plan, of the Model of the Temple in the Time of our Lord. By M. A. Duthoit. *R.T.S.* Price 1s. net.
- Studies in Theology: The Theology of the Epistles. By Prof. H. A. A. Kennedy. *Duckworth*. Price 5s. net.
- The Supreme Adventure. By Mercédès Macandrew. *Chapman & Hall*. Price 7s. 6d. net.
- The Sayings of the Jewish Fathers (Pirke Aboth). Translated by Dr. W. O. E. Oesterley. *S.P.C.K.* Price 5s. net.
- Grace and Personality. By John Oman. Second Edition, Revised. *Cambridge University Press*. Price 7s. 6d. net.
- A Commentary on the Bible. Edited by Prof. A. S. Peake with the assistance of Dr. A. J. Grieve. *Jack*. Price 10s. 6d. net.
- Prayer in the Light of the Fatherhood of God. By C. A. Skinner. *Heffer*. Price 2s. 6d. net.

Science.

- An Introduction to General Physiology. By Prof. W. M. Bayliss. *Longmans*. Price 7s. 6d. net.
- A Field and Laboratory Guide in Biological Nature Study. By Prof. E. R. Downing. *University of Chicago Press*. Price \$1.
- Petrology for Students. By Dr. A. Harker. Fifth Edition, Revised. *Cambridge University Press*. Price 8s. 6d. net.
- A Laboratory Manual for Elementary Zoology. By L. H. Hyman. *University of Chicago Press*. Price \$1.50 net.

Verse.

- The Measures of the Poets: A New System of English Prosody. By M. A. Bayfield. *Cambridge University Press*. Price 5s. net.
- Camelot. By B. G. Brooks. *Blackwell*. Price 2s. 6d. net.
- Poems of South African History, A.D. 1497-1910. Selected and Edited by Prof. A. Petrie. *Milford*. Price 3s. 6d. net.

SCIENCE MASTERS

SHOULD USE

Oertling

BALANCES

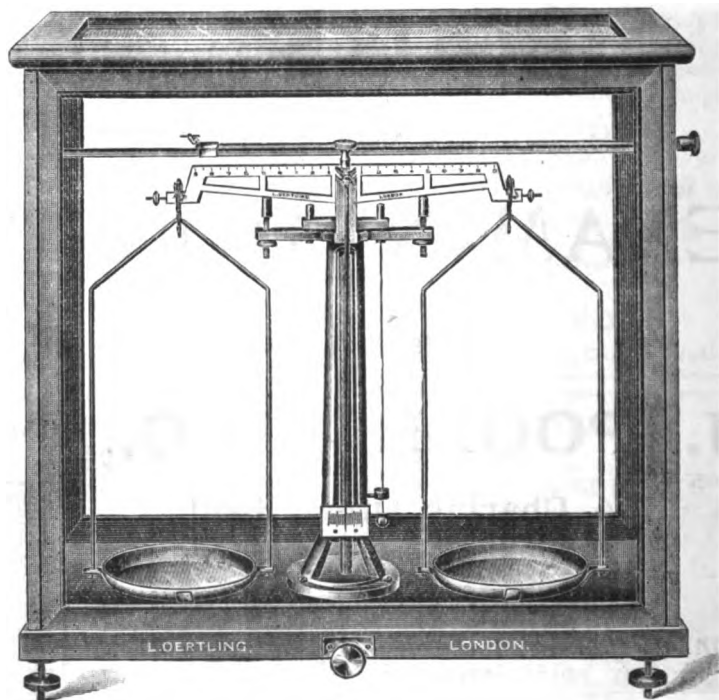
which have *always* been made in London by

L. OERTLING, LTD.
TURNMILL STREET, E.C.1.

ESTABLISHED 1849.

Highest Awards at all Great Exhibitions.

THE "PUBLIC SCHOOL" CHEMICAL BALANCE.



BEAM: $8\frac{1}{2}$ ins. CAPACITY: 200 grms. SENSITIVITY: 0.5 mgr.

AGATE KNIFE EDGES AND BEARINGS.

Complete, with single rider slide (as illustrated), £10. Without rider slide, £9.

PULLEYS AND PULLEY BLOCKS FOR THE Mechanical Laboratory

A large number of well designed and well made Pulleys will be available at an early date.



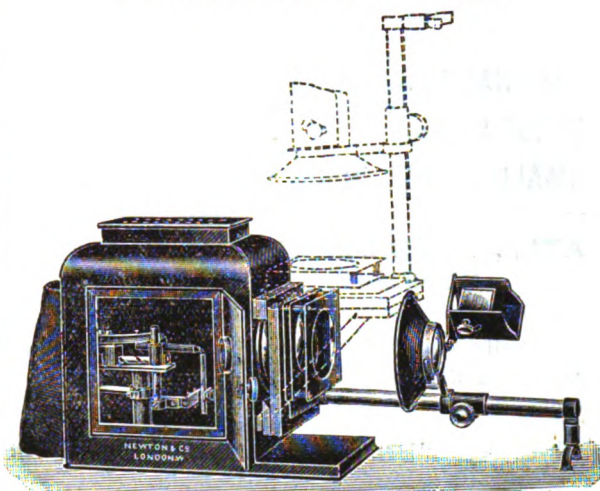
2900

They are accurate and sensitive, and will remain serviceable for many years.
Requisitions should be made without delay to secure delivery.

G. CUSSONS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.
London Office: 231 Strand, W.C.2.

Optical Projection Apparatus

FOR ALL CLASSES OF
EDUCATIONAL WORK.



Catalogue Section A, 1919 Edition, now ready. Post free on application.

NEWTON & CO.

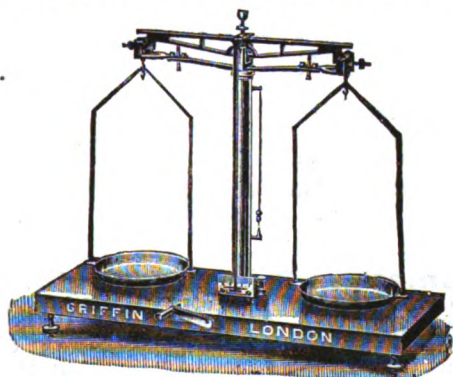
Opticians to H.M. The King.
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.

KEMBLE STREET,

KINGSWAY, LONDON, W.C.2.

MAKERS OF PHYSICAL AND
ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES

MANUFACTURED BY

GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLenkAMP

—& Co., Ltd.—

19-21 SUN STREET
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

We shall be glad to have your inquiries for **GRADUATED APPARATUS** such as Cylinders, Flasks, Pipettes, Burettes, Nitrometers, &c., which we are now turning out in our newly inaugurated Department under a skilled staff, and with the latest approved methods and machines. Your orders would receive our best attention.

"They are well-made articles, and appear to be quite as suitable for laboratory work as the apparatus formerly obtained."—NATURE.

Descriptive Circular No. 199 post free.

Telephone—LONDON WALL 1404 & 1405.

Telegrams—"GALLenkAMP, FINSQUARE, LONDON."

MACMILLAN'S LIST.

W.&A.K. JOHNSTON'S PUBLICATIONS.

The following will be issued directly the new Peace Boundaries are settled.

IMPERIAL WALL MAPS, 72×63 EUROPE.
LARGE SCHOOL WALL MAPS, 50×42 of ASIA.
SMALL SCHOOL WALL MAPS, 34×28 AFRICA.
WORLD.

ATLAS SENIOR GEOGRAPHY—EUROPE

148 pp. 58 Maps and Figures.

Specially suitable for Upper Forms and Candidates preparing for the Oxford and Cambridge Locals and other University Examinations.

Ready immediately on the settlement of **Peace Terms** with **Turkey**.

EDINA JUNIOR HISTORIES.

Suitable for Upper Standards, Higher Elementary and Central Schools, and Lower Forms of Secondary Schools. Written on the most Modern Approved Methods.

Books I to IV now ready.
.. V and VI ready immediately.

MODERN ATLAS OF COMMERCE.

48 pages of Maps, printed clearly in brown. In strong paper covers. Without Index, 1s. 10d. net. With Index, 2s. net.

ATLAS GEOGRAPHIES.

A Physical Geography. Covering the work required for the Oxford and Cambridge Locals and other University Examinations. Illustrated by 11 Maps and 85 Diagrams. 2s. 6d. net.

Junior Atlas Geography of the World. Containing *Orographical, Transparent Route and Climatic Maps, and Maps showing Distribution of Vegetation, Minerals, Manufactures, Population and Political Divisions.* 4s. net.; or in Parts:—9d. net; Limp Cloth, 1s. net.

Atlas Senior Geographies. For Upper Forms of Secondary Schools and University Students. 2s. 6d. net each.

British Isles } Each Chapter is illustrated with *Special Orographical, Transparent Route and Economic and Political Maps* of the natural region to be studied.
Asia }
Africa }

Commercial Atlas Geography. 2nd Edition. 8s. 6d. net.

THE "NEW ERA" ATLAS. OROGRAPHICAL ATLAS OF THE WORLD.

10 by 7½ inches. With Index to 6,000 places. Stiff Boards. *New editions of these are now being reprinted, showing International Boundaries as settled up to date.*

MACMILLAN & CO., LTD., ST. MARTIN'S STREET, LONDON, W.C. 2.

Europe in the Melting Pot. By R. W. SETON-WATSON, D.Litt., Editor of "The New Europe." With Maps. 4s. 6d. net.

Our Guardian Fleets in 1805. By H. W. HOUSEHOLD, author of "Our Sea Power," &c. Illustrated. 8s. net.

Practical Hints on the Teaching of Latin. Being Four Lectures Delivered at Ilkley at the Board of Education's Latin Courses for Teachers in August 1918 and 1919. By L. W. P. LEWIS, M.A., Senior Classical Master, Bradford Grammar School. 5s. net.

Companion to Diaconus. By GEORGE G. LOANE, M.A. 6s. net.

Book II Just Published.

Lay's Pupils' Class-book of English Composition. By ED. J. S. LAY, Author of "The Pupils' Class-books of Geography, History, The Vegetable Garden," &c. Illustrated. Book I (for children of 9 to 10). 1s. Book II (for children of 10 to 11). 1s. 3d.

Education:—"There can be no doubt about this book. It is interesting throughout. . . . The numerous illustrations also are a feast of continual delight. The exercises have been graded in difficulty, and designed for the purpose of teaching the pupils."

Outlines of the History of the English Language. By E. CLASSEN, M.A., Ph.D., Author of "Lectures on Style and Composition." 5s. net.

The Schoolmaster:—"The book is full of interest from beginning to end, and well repays its study. We commend it to all who are keen on knowing the development of their own language and its history and traditions."

POCKET OLASSIOS. New Vol.

Gray. Cowper. Elegy together with The Diverting History of John Gilpin and other Poems. Edited with an Introduction and Notes by J. H. CASTLEMAN, A.M. 1s. net.

SIEPMANN'S FRENCH FOR RAPID READING. New Vols.

Balzac. Le Bal de Sceaux. Par HONORÉ DE BALZAC. Limp cloth. 1s. 3d.

Ferry. Une Guerre en Sonora. Le Saltéador. Par GABRIEL FERRY. Limp cloth. 1s. 3d.

Ferry. Les Gambusinos Bermudes-el-Matasiete. Par GABRIEL FERRY. Limp cloth. 1s. 3d.

Botany of the Living Plant. By F. O. BOWER, Sc.D., F.R.S., Regius Professor of Botany in the University of Glasgow. With 447 Figures. 25s. net.

The Times:—"Text-books of Botany succeed one another on accustomed lines; they serve the purposes of instruction, but no one expects to find in them any literary charm. An arresting surprise, therefore, meets the 'general reader,' whom the author modestly hopes may find 'in these pages the story of the Living Plant unfolding itself by stages both natural and interesting.'"

Mendellism. By Professor R. C. PUNNETT, F.R.S. Fifth Edition. With Illustrations in Colour and in Black-and-White. 7s. 6d. net.

Geology of India for Students. By D. N. WADIA, M.A., B.Sc., Prince of Wales's College, Jammu, Kashmir. Illustrated. 18s. net.

Mathematical Papers for Admission into the Royal Military Academy and the Royal Military College, and Papers in Elementary Engineering for Naval Cadets-ships, March-July, 1919. Edited by R. M. MILNE, M.A. Sewed. 1s. 9d. net.

Modern European Civilization. A Text-book for Secondary Schools. By ROSCOE L. ASHLEY. With Maps and Illustrations. 8s. net.

THE JOURNAL OF EDUCATION

ENTERED AT THE NEW YORK POST
OFFICE AS SECOND CLASS MATTER.
REGISTERED FOR TRANSMISSION TO
CANADA BY CANADIAN MAGAZINE POST.

WITH WHICH IS INCORPORATED
THE SCHOOL WORLD.

ALL RIGHTS RESERVED.

PUBLISHED FOR THE PROPRIETORS
ON THE FIRST OF EACH MONTH BY MR.
WILLIAM RICE, 3 LUDGATE BROAD-
WAY, E.C.4, LONDON, ENGLAND.

No. 605.
Vol. 51. [WITH SUPPLEMENTS.]

LONDON, DECEMBER 1, 1919.

PRICE 8d.; BY POST, 10d.
ANNUAL SUBSCRIPTION (PREPAID)—
NINE SHILLINGS AND SIXPENCE.

January 1920 issue ready on De-
cember 31. Revised Advertisement
scale is on page 807. The latest time
for prepaid Advertisements is
DECEMBER 22.

SCHOLARSHIP NOTICES.

See pp. 780, 781, 783, 786.

PHYSICAL TRAINING.

See pp. 779, 783, 784.

For announcements of
UNIVERSITY CORRESPONDENCE COLL.,
See below and p. 804.

UNIVERSITY TUTORIAL COLLEGE,
See p. 779.

UNIVERSITY TUTORIAL PRESS, Ltd.,
See pp. 783, 806, 823, 839.

THE TEACHERS' GUILD AND CLUB OF GREAT BRITAIN AND IRELAND.

President, 1918—The Rev. Canon J. H. B.
MASTERMAN, M.A.

Membership open to all Teachers and Educational
Administrators. Library open from 10 a.m. to 9 p.m.,
Saturdays to 5 p.m. Club Rooms; Dining, Smoking,
and Dressing Rooms; Bedrooms; Lift. Lecture,
Board, and Committee Rooms to let for meetings.
New PREMISES: 7, 9 & 10 Brunswick Sq., London,
W.C.1.

Joint Agency for Women Teachers

OKLEY HOUSE,

14, 16, & 18 BLOOMSBURY ST., LONDON, W.C.1.

Under the management of a Committee appointed by
the Teachers' Guild, College of Preceptors, Head
Mistresses' Association, Association of Assistant
Mistresses, and Welsh County Schools Association.)

This Agency has been established for the purpose
of enabling Teachers to find work WITHOUT
UNNECESSARY COST. All fees have therefore
been calculated on the LOWEST BASIS to cover
the working expenses.

No Registration Fees are charged to Members of
the above Associations, and their commissions are
reduced

Hours for Interviews—

11.30 a.m. to 1 p.m., and 3 to 5 p.m.

Saturdays, 11.30 a.m. to 1 p.m., and 2 to 3 p.m.
When possible, special appointments should be
arranged.

Registrar—Miss ALICE M. FOUNTAIN.

UNIVERSITY OF ST. ANDREWS.

L.L.A. DIPLOMA FOR WOMEN.

THE attention of Candidates is
drawn to the ordinary and Honours Diplomas
for Teachers, which are strongly recommended as
suitable for those who are or intend to be teachers.

Examinations are held at Aberdeen, Birmingham,
Blackburn, Brighton, Bristol, Cardiff, Croydon,
Devonport, Edinburgh, Glasgow, Hull, Inverness,
Leeds, Liverpool, London, Manchester, Newcastle-
on-Tyne, Norwich, Nottingham, Oxford, St. Andrews,
Sheffield, Swansea, and several other towns.

Information regarding the Examinations may be
obtained from the SECRETARY, L.L.A. Scheme, The
University, St. Andrews.

The Association of University Women Teachers.

108 VICTORIA STREET (1st floor), S.W.1.

Recommends highly qualified Teachers and Lecturers
with University qualifications (Degree or equivalent).

Secretary—Mrs. B. BROUGH.

Calling hours—Mon., Wed., Fri., 3 to 5 p.m.

Sat., 11 a.m. to 1 p.m.

Tel.: Vic. 2483. Teleg.: Communitas Sowest London.

NATIONAL SERVICE RECORD

A record is being prepared of services rendered
in connexion with the war by Members of the
COLLEGE OF PRECEPTORS and holders of the
College Diplomas. For this purpose the Secre-
tary will be glad to receive information with regard
to such services, whether rendered in the fighting
forces, or in the auxiliary forces—e.g., Red Cross
organizations, Special Police, Women's war
organizations, or in other ways. He will also be
glad to receive from Members and Diploma holders
any proposals which their experience may have
suggested for improvements in methods or organiza-
tion, especially in relation to education and its use
as a training for national service.

PRELIMINARY EXAMINATIONS

FOR

MEDICAL, DENTAL,

AND

PHARMACEUTICAL STUDENTS

The COLLEGE OF PRECEPTORS holds Pre-
liminary Examinations in March, June, September,
and December. All the Examinations are held in
London, Birmingham, Blackburn, Bristol, Cardiff,
Edinburgh, Glasgow, Leeds, Liverpool, Manchester,
Newcastle-on-Tyne, and Nottingham. For the June
and December Examinations there are other Centres,
including Aberdeen, Blackpool, Brighton, Carmar-
then, Cheltenham, Croydon, Margate, Plymouth,
Portsmouth, Sheffield, Southport, and Sunderland.
For Regulations, apply to the SECRETARY, College
of Preceptors, Bloomsbury Square, London, W.C.1.

University

Correspondence College.

(FOUNDED IN 1887)

PRINCIPAL: WILLIAM BRIGGS, LL.D.,

D.C.L., M.A., B.Sc., F.C.S., F.R.A.S.

LONDON UNIVERSITY DEGREES.

B.A., B.Sc., M.A., LL.B., B.Sc.

(Economics), B.D.

During the last fifteen years 6940 U.C.C. Students
have passed the Intermediate and Degree Ex-
aminations of London University, in addition to
gaining 5207 Successes at Matriculation.

Complete Prospectus, giving full particulars of
courses and fees, post free to PRIVATE STUDENTS
from the Secretary,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

University Examination

Postal Institution.

Principal:

Mr. E. S. WEYMOUTH, M.A. (Lond.).

17 RED LION SQUARE,
LONDON, W.C.1.

TELEPHONE: CENTRAL 6313.

TUTORS.—Thirty Tutors, Graduates in
very high Honours (Medallists, First Class
Honours, &c.).

POSTAL CLASSES.—The Institution has
specially prepared Courses for many University
and Medical Examinations. Fees moderate.

SOME SUCCESSES.

Cambridge Higher Local, 1892-1919 - 1901

Candidates in various Groups: 305 First
Class; 369 Marks of Distinction. In
June 1918 nine-tenths of our Candidates
succeeded, the majority taking Honours.

Cambridge Teachers' Certificate, 1905-19 43

(Only two failures.)

Oxford Higher Local, 1903-19 - 178

Candidates in various Sections.

M.D. (Lond.), 1901-19 - 238

(Including 6 Gold Medallists
during 1913-1918.)

PROFESSIONAL PRELIMINARY.

The Institution has prepared many Candidates,
by post or orally, for various Entrance Exami-
nations to the Medical and other Professions.
Laboratory work for Science Students.

CERTIFICATES OF PROFICIENCY

in Modern Languages and Religious Knowledge
(Cambridge University). Two of the three
successful in French (June Exam.) were pre-
pared by this Institution.

CAMBRIDGE HIGHER LOCAL.

Newly typed and expanded courses for
1919. Valuable Lesson-notes introduced before
each paper.

GUIDE (35 pages, advice as to books, useful
statistics, &c.) sent gratis to any candidate.

For Prospectus, Catalogue of Publications
(chiefly C.H.L. Examination Papers), List of
Successes, &c., apply to the PRINCIPAL.

Lamley & Co.,

THE SOUTH KENSINGTON BOOK SHOP.

1, 3, and 5 Exhibition Rd., South Kensington, S.W.7.

EVERYTHING FOR STUDENTS AND BOOK-LOVERS.

New Catalogue of First Editions, &c. No. 57.

Monthly List of New Books.

All Persons interested in Phonetics are recommended to join the

INTERNATIONAL PHONETIC ASSOCIATION.

Subscription 8s. per annum. Entrance fee 4s.

Members receive free of charge *Le Maître Phonétique*, the official organ of the Association (Editor: P. Passy, 20 Madeleine, Bourg-la-Reine, Seine, France; Assistant Editor: D. Jones, University College, London, W.C.1).

New Members receive in return for the Entrance fee: *The Principles of the I.P.A.*, *What is Phonetics?* by H. E. Palmer, and *La Phonétique appliquée à l'Enseignement de la Lecture*, by P. Passy. — List of other publications and prices of back numbers of *Le Maître Phonétique* (from 1889) on application.

STANDARD BOOKS TO CONSULT.

THE PUBLIC SCHOOLS YEAR BOOK	...	net 7/6
THE GIRLS SCHOOL YEAR BOOK	...	" 7/6
THE SCHOOLMASTERS YEAR BOOK	...	" 20/-
THE DIRECTORY OF WOMEN TEACHERS	...	" 10/6

H. F. W. DEANE & SONS THE YEAR BOOK PRESS Ltd.,
31 Museum Street, LONDON, W.C.1.

BOOKS

On Educational,
Scientific, Medical,
Law, Theological and
ALL other Subjects.

Second Hand at Half Prices. New Books also Supplied.

BOOKS SENT ON APPROVAL.

Catalogues Free.

State Wants.

Books Bought.

W. & G. FOYLE, Ltd., 121/125 Charing Cross Road, London, W.C.2.

HALLS OF RESIDENCE, Hostels, Residential and HOLIDAY Quarters for Teachers.

ABERDARE HALL, CARDIFF.— RESIDENCE FOR WOMEN STUDENTS OF THE UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE.

Principal: Miss KATR HURLATT,
Somerville College, Oxford.

Fees £43. 10s., £38. 10s., and £34 per annum. College tuition fees £12 per annum. Scholarships of £25 awarded on the result of Entrance Scholarship Examination of University College, Cardiff, held annually in the Spring. For Post-graduate Scholarships of £50 for Secondary Training or Research work, or Medical work, awarded without examination, apply before June 1st. Students prepare for the B.A. and B.Sc. Degrees of the University of Wales. Departments for Elementary and Secondary Training, including Kindergarten Training, are attached to the College. Students with recognized academic qualifications can enter in October or January, for one year's Secondary Training Course. In the Medical School the Composition Fee varies from £20 to £23 for the first 3 years of medical study which can at present be taken at Cardiff. The Composition Fee for the Diploma in Public Health is £30. Apply to the PRINCIPAL.

UNIVERSITY OF ST. ANDREWS.

UNIVERSITY HALL FOR WOMEN STUDENTS.

Warden: Miss M. E. DONSON, M.A., B.Sc.

University Hall was opened in 1896, under the Government of the University of St. Andrews.

The Course of Study at University Hall is in preparation for the Degree Examinations of the University of St. Andrews, of which all the Classes and Degrees in Arts, Divinity, Science, and Medicine are open to Women on the same terms as to Men.

The Terms of Residence are from October to December, January to March, and April to June. The Hall has been enlarged to accommodate 65 Students.

Residence Fees from £48 to £66 per annum. Matriculation and Class Fees average £12 per annum.

For further information, apply to the WARDEN, University Hall, St. Andrews, Fife.

UNIVERSITY OF LIVERPOOL. UNIVERSITY HALL.

Hall of Residence for Women Students.

Warden: Miss DOROTHY CHAPMAN, M.A.

RESIDENCE fee, from £48 per session of about 33 weeks. All degrees, &c., granted by the University are open to Women. Application to be made to the WARDEN, University Hall, Fairfield, Liverpool.

HOLIDAYS IN NORTH WALES.

—Sea and mountains, mild climate, beautiful excursions. Golf course near. Comfortable, refined and magnificently situated Guest House in extensive grounds. Produce from own garden. 37s. 6d. per week inclusive. For prospectus write—MANAGERESS, Bryn Corach, Conway.

ALEXANDRA HALL, ABERYSTWYTH.

RESIDENCE (under exceptionally healthy conditions) for Women Students of the UNIVERSITY COLLEGE OF WALES.

FEES—39 to 51 guineas per session of about 32 weeks. Students pursue Degree Courses in Arts or Science. A complete Course of Secondary Training (Recognized) for University Graduates in preparation for Teachers' Diplomas. Preparation for Diploma in Geography.

Early application should be made to the WARDEN—Miss C. P. TREMAIN, B.A.

BRIGHTON.

GRAFTON HOUSE, Grafton

Street, Marine Parade (door sea).—Homely board-residence. 10 bedrooms. Bath (h. and c.). Electric light throughout. Good table. Moderate.

DROITWICH.

NORBURY HOUSE.—Entrance

facing Baths. Guests received in fine old Manor House. Every modern comfort. Three acres of beautiful garden. Nearest to Golf Links. Telegram and Telephone: 53 Droitwich. Illustrated booklet.

EASTBOURNE.

3 MILES' Promenade; bracing and sunny. "Leafy Eastbourne." Guide to Town and Schools, 1s. 6d. "Register of Accommodation." Guide to amusements, hotels, apartments, 3d. post free.—STRANGE, the Printer.

ILFRACOMBE.

GOLAN Boarding House. Com-

fortable, quiet, central. Fine sea view. Large rooms, good cooking, bath. Moderate terms.

—The Misses WATSON.

ISLE OF MAN, HOLIDAY CAMPING

(in Tents or Bungalows). For Gentlemen and Boys only. Be prepared for next holidays by writing, J. W. R. CUNNINGHAM, The Holiday Camp, Douglas, for free profusely illustrated booklet about "the finest place on earth for a holiday."

LEIGH-ON-SEA.

THREE Paying Guests received.

Very pleasant house and garden. Finest situation in exceptionally healthy district. London 50 minutes. Sea, trains, open country, 5 minutes.—MRS. BATES, Upland, Hadleigh Road.

LONDON, W.C.1.

THE TEACHERS' GUILD CLUB,

7, 9, and 10 BRUNSWICK SQUARE, W.C.1.—Open to Teachers and all interested in Education. Club Rooms, Dining Room and Library. Bedrooms from 3s. a night, including bath and attendance, electric light, central heating, lift. A few rooms can be let to permanent residents. Meals as required. Tariff moderate. Russell Square Tube Station 2 minutes. Tel.: Museum 1950.

LONDON, W.C.1.

30.31. &c., UPPER BEDFORD PLACE, RUSSELL SQUARE, W.C.1.—Board-residence; house comfortable; liberal table; central position; moderate terms; daily or weekly.

LONDON, W.C.1.

15 GORDON SQUARE.—By week or term. Large, front, well furnished, combined bed-sitting rooms, and single bed-sitting rooms. Full or partial board. Available for University, Medical, Art, and Technical Students: readers and professional women. Address—THE PRINCIPAL.

LONDON, W.C.1.

MELBOURNE HOUSE HOTEL, 21, 22, 23 Bedford Place, W.C.1. Old established private Hotel and Pension. 6s. 6d. Bed and Breakfast. "En pension" from 24 guineas weekly. Telegrams: "Baggage, London." Phone: Museum 4718.

LONDON, W.C.1.

THACKERAY HOTEL, opposite British Museum, Great Russell Street.—Bedroom, Breakfast, and Attendance, from 7s. 6d. per night per person. Telegrams: "Thackeray, London." Telephone: Museum 1230 (2 lines).

LONDON, W.2.

TOWNSEND CLUB, 52 Baker Street, W.2.—A social centre for women engaged in professional work. Non-residential. Meals at moderate charges. Subscription £1 per annum, payable quarterly.—Apply to SECRETARY.

LONDON, W.2.

LADIES' INTERNATIONAL CLUB, 74 Prince's Square, Bayswater, W.2.—Residential Club.—Students and working gentlewomen. Room, breakfast, dinner, from 2s. 6d. to 30s. 6d. Special terms holidays. Two minutes' walk Kensington Gardens. Write—SECRETARY.

PARIS.

MADAME PLANQUETTE'S comfortable home in pleasant environs is highly recommended by former guests. Liberal table, quick transit, good French conversation.—4 Rue des Vars, Bois Colombes, Seine, Paris.

ST. MARGARET'S-ON-THAMES.

COMFORTABLE Board-Residence for young men in nice home: good cooking. Near park, river; also good train service, buses, &c. Apply—17 Baronsheld Road, East Twickenham, Middlesex.

HOLIDAY HOMES.

A WELL KNOWN TEACHER writes: "I advertised this Summer [1917] my 'Small Holiday Home' in your paper. The advertisement proved very successful."

See also pages 780, 781.

**FROEBEL SOCIETY and
JUNIOR SCHOOLS ASSOCIATION.****SCHOLASTIC AGENCY for
JUNIOR FORM AND KINDERCARTEN MISTRESSES,
AND LECTURERS IN TRAINING COLLEGES.**Library for Teachers and Students pre-
paring for the Examinations of the National
Froebel Union.Particulars may be obtained from—
The Secretary,
4 Bloomsbury Square, W.C.1.
Tel. No.: Museum 615.**THE
BERGMAN ÖSTERBERG
PHYSICAL TRAINING COLLEGE,
DARTFORD HEATH, KENT.****Trustees:**Sir GEORGE NEWMAN, K.C.B., D.C.L.
The Marchioness of SALISBURY.
The Rt. Hon. CHRISTOPHER ADDISON, M.D., M.P.
The Hon. WALDOF ASTOR, M.P.
The Rt. Hon. Lord SHAU OF DUNFERMLINE, LL.D.**Principal:**Miss HILDA WALTON (Oxford Final Honour School,
English Language and Literature).**Vice-Principal:**Miss ALMA WIKNER (Royal Cent. Inst. of Gymnastics,
Stockholm).The College was opened in 1885, and was the first
of its kind in England. Students are prepared as
teachers of Scientific Physical Education on Ling's
Swedish System. The Course includes the study
of Anatomy, Physiology, Theory of Education; the
Theory and Practice of Gymnastics, Massage and
Medical Gymnastics, Dancing and Outdoor Games.
Students practise teaching in schools in the neigh-
bourhood. The College stands in its own ground
of 23 acres.The course begins in **October**. Further par-
ticulars may be obtained on application to the
SECRETARY.**INTERNATIONAL GUILD,
6 RUE DE LA SORBONNE, PARIS,**

under the direction of

Mlle CLANET (agrégée de l'Université),
Mlle ROLLAND (),
Miss BURT, B.A. (Hons. London).offers to Students, especially those intending to be
teachers, a sound training in the **French Lan-
guage**. Classes are held inFrench Literature, History and Phonetics,
Grammatical Commentary, Translation and
Lecture Explicquée.**Preparation for the**Certificat d'Etudes Françaises of the Sorbonne,
Diplôme d'Etudes Françaises of the Guild.Simpler course for less advanced students. A
speciality is made of exchange lessons and social
intercourse with the students of other nationalities.**CHANNING HOUSE HIGH SCHOOL AND
BOARDING SCHOOL FOR GIRLS,**

HIGHGATE, LONDON, N.6.

Head Mistress: Miss LILIAN TALBOT, B.A. Honours,
London.Pupils prepared for Matriculation and Intermediate
Examinations of London University. Healthy situa-
tion, good playground and garden. Great attention
given to physical training. Special terms for daughters
of Unitarian Ministers. All inquiries to be addressed
to the HEAD MISTRESS.**TEACHERS FOR SOUTH AFRICA.****QUALIFIED Women Teachers of**
all grades should apply to—THE EDUCATION
SECRETARY, South African Colonization
Society, 23 Army and Navy Mansions, 115 Victoria
Street, S.W.1.**AGENCY ANNOUNCEMENTS** will
be found on pages 779, 785, 787,
800, 801, 827-835.**PHYSICAL TRAINING COLLEGES**
will be found on pages 779, 783,
and 784.**University Tutorial College.**(Incorporated with University Correspondence
College.)
LONDON.**CHRISTMAS
VACATION
CLASSES.****JANUARY MATRICULATION.**A Recapitulation Class for the January Matricu-
lation commences Thursday, December 18th, and
extends to date of Examination.*During the present year 217 Students of U.T.C.
have been successful in various Public Exam-
inations, including 125 successes at London
University Matriculation.***LABORATORY WORK IN
PRACTICAL SCIENCE.**Practical Classes in Chemistry, Physics, and
Botany commence Thursday, December 18th, and
extend over a period of three weeks.**PRIVATE TUITION.**Private tuition may be taken up at any time, either
during Term or in the ordinary School Vacations, in
all subjects for London University and other Exam-
inations, or for Independent Study.

Full particulars may be had from

THE VICE-PRINCIPAL,

UNIVERSITY TUTORIAL COLLEGE,
RED LION SQUARE, HOLBORN W.C.1.**THE
ASSOCIATED BOARD**OF THE
ROYAL ACADEMY OF MUSIC

AND THE

ROYAL COLLEGE OF MUSIC

FOR LOCAL EXAMINATIONS IN MUSIC.

Patron: HIS MAJESTY THE KING.**President: H.R.H. THE PRINCE OF WALES, K.G.**

LOCAL CENTRE EXAMINATIONS (Syllabus A).

Examinations in Theory held in March and
November at all Centres. In Practical Subjects in
March-April at all Centres, and in the London
district and certain Provincial Centres in November-
December also. Entries for the March-April Ex-
aminations close Wednesday, February 11th, 1920.

SCHOOL EXAMINATIONS (Syllabus B).

Held throughout the British Isles three times a
year, viz., March-April, June-July, and October-
November. Entries for the March-April Examina-
tions close Wednesday, February 4th, 1920.The Board offers annually SIX EXHIBITIONS,
tenable at the R.A.M. or R.C.M., for two or three
years.Theory papers set in past years (Local Centre or
School), price 6d. per set, per year.Syllabuses A and B, Entry Forms, and any further
information, will be sent post free on application to—
JAMES MUIR, Secretary,

14 and 15 Bedford Square, London, W.C.1.

Telegrams: "ASSOCIA. LONDON."

SPECIAL CORRESPONDENCE COURSES.

- (1) L.R.A.M. or A.R.C.M. Paper Work.
- (2) Interesting Courses of Study in Rudiments,
Harmony, Form, Teaching, &c.

L.R.A.M. and A.R.C.M. } 177 Correspondence
Exams., 1910-19 } Students successful.Mr. E. H. BIBBY, Mus. Bac., L.R.A.M., A.R.C.M.,
c/o Foreyth Bros., Deansgate, Manchester.**CENTRAL SCHOOL OF
SPEECH TRAINING
AND DRAMATIC ART.****President: SIR FRANK BENSON,**

Under a Council of Management.

Principal: ELSIE FOGERTY, L.R.A.M.,

Royal Albert Hall, Kensington Gore, S.W.7.

**COURSES OF DRAMATIC
AND****TECHNICAL TRAINING,****VOICE TRAINING,****ENGLISH PHONETICS,****CURE OF SPEECH****DEFECTS,****RECITATION,****PUBLIC SPEAKING.****Complete Training Course for Teachers,****Preparation for the L.R.A.M. Diploma.****Schools visited and inspected.****ASSOCIATION OF TEACHERS
OF****SPEECH TRAINING.****Head Quarters: ROYAL ALBERT HALL,
KENSINGTON GORE.****President:**Miss ELSIE FOGERTY, L.R.A.M.,
29 Queensberry Place, South Ken-
sington, S.W.7.**Secretary:**Miss WELLESLEY-READE, 44 Fairholme
Road, West Kensington, W.14.Trained resident or visiting teachers sent to
any part of England. Assistants also under-
take residential treatment of delayed speech,
stammering, or other difficulties. Physical
exercises for chest development, breath
control, or defective articulation given by
trained teachers. Advice on speech training
given. Transference of connexions under-
taken.*A leaflet containing all principal Tone
and Articulation Exercises, together
with "Examples" for the practice of
each vowel sound, may now be obtained.
Price 2d. each, or, to Members of the
Association, 1½d. each. Postage extra.
Apply — Miss Wellesley-Read.*

TRAINING COLLEGES and Technical Schools.

See also pages 777-786, 804, 805, 817, 819, 822, 838, 849; [Halls of Residence] 778, 780, 781; [Physical Training] 779, 783, 784; [Scholarships] 780-784, 786.

ST. MARY'S COLLEGE,

34 LANCASTER GATE, W.2.

TRAINING COLLEGE

(attached to Secondary School and Kindergarten).

Principal:

Miss H. L. POWELL, Associate of Newnham College, Historical Tripos (late Principal of the Cambridge Training College).

Warden of Hostel and Head of the Training Department:

Miss JANE HUBBACK, Newnham College, Historical Tripos, Cambridge Univ. Teachers' Certificate.

Assistant Tutor:

Miss HAMMOND, Girton College, Mathematical and Moral Science Triposes; Late Mathematical Mistress, Ladies' College, Cheltenham.

Head of the Kindergarten Department:

Miss E. J. CHAPPEL.

Higher Certificate National Froebel Union.

Students prepared for the London and Cambridge Teachers' Diplomas and for the Higher Certificate of the National Froebel Union.

Practice in Secondary and Primary Schools.

Diploma Students attend University Lectures. Fees, with residence, Seventy-five to Ninety Guineas per annum. Fees, without residence, Twenty-four to Thirty Guineas per annum. Four Bursaries of £20 a year each.

HOUSEHOLD & SOCIAL SCIENCE DEPARTMENT

(KING'S COLLEGE FOR WOMEN, UNIVERSITY OF LONDON).

CAMPDEN HILL ROAD, W.8.

FOR RESIDENT AND NON-RESIDENT STUDENTS.

Dean: Miss LANE-CLAYTON, M.D., D.Sc.

Courses:

- (1) Three Years for the University Diploma.
- (2) Two Years' Course for Social and Public Health Workers.
- (3) One Year Applied Science Course for those holding Diplomas in Domestic Arts.
- (4) Special One Year Course in Household Management.

These Courses include instruction in Physics, Chemistry, Biology, Physiology, Household Management, Hygiene, Economics, and Business Affairs, together with other Special Classes.

Students are prepared for the following examinations:—University Diploma in Household and Social Science, First Medical, and Sanitary Inspectors Certificate.

BIRKBECK COLLEGE

BREAMS BUILDINGS, CHANCERY LANE, E.C.4.

UNIVERSITY OF LONDON.

COURSES OF STUDY (DAY AND EVENING) FOR DEGREES IN

ARTS AND SCIENCE,

under RECOGNIZED TEACHERS of the University.

ARTS.—Latin, Greek, English, French, German, Italian, History, Geography, Logic, Economics, Mathematics (Pure and Applied).

SCIENCE.—Chemistry, Physics, Mathematics (Pure and Applied), Botany, Zoology, Geology.

Evening Courses for the Degrees in Economics and Law.

GEOGRAPHY DIPLOMA and MATRICULATION.

POST GRADUATE AND RESEARCH WORK.

Lectures on the History of London, Fridays, 5.30.

SESSIONAL FEES { Day: Arts, £10.10s.; Science, £17.10s.
Evening: Arts, Science, or Economics, £5. 5s.

Prospectus post free. Calendar 6d. (by post 8d.)

MARIA GREY TRAINING COLLEGE FOR WOMEN TEACHERS IN HIGH, SECONDARY, AND PREPARATORY SCHOOLS.

RECOGNIZED BY THE BOARD OF EDUCATION. In connexion with the London University and recognized by the Cambridge Teachers' Training Syndicate.

Principal: Miss KATHARINE L. JOHNSTON, M.A., Girton College, Moral Sciences Tripos, Cambridge Teachers' Training Certificate.

Students admitted in January and September to prepare for the London and Cambridge Teachers' Diploma and the Diploma in Teaching and the Higher Certificate of the National Froebel Union. Demonstration School attached to the College; and practice for students in neighbouring schools under the supervision of specialists.

Tuition fees £24. A number of Scholarships from £8 to £24 offered to Students, with a degree or its equivalent. Loan Fund. Special grants to Honour Students of £28 towards Hostel fees, or £15 if living in rooms.

Particulars of College Hall and registered lodgings can be obtained from the PRINCIPAL at

The Maria Grey College, Salusbury Road, Brondesbury, London, N.W.6.

THE CAMBRIDGE TRAINING COLLEGE FOR WOMEN.

Recognized by the Board of Education as a Training College for Secondary Teachers.

PRINCIPAL: Miss M. H. WOOD, M.A., Litt.D., Classical Tripos, Cambridge, Girton College.

A RESIDENTIAL COLLEGE providing a year's professional training for Secondary Teachers. Preparation for the London and the Cambridge Teachers' Diplomas. Ample opportunity for practice in teaching Science, Languages, Mathematics, and other subjects. Fees 80 guineas and 70 guineas. Admission in January and September.

For particulars of admission, Scholarships, bursaries, and loan fund, apply—The Principal, Cambridge Training College, Wollaston Road, Cambridge.

The term began on September 20th.

THE INCORPORATED FROEBEL EDUCATIONAL INSTITUTE.

COLET GARDENS, TALGARH ROAD, WEST KENSINGTON, LONDON, W.14.

President:

Right Hon. Sir WILLIAM MATHER, LL.D.

Chairman of Committee and Treasurer:

Mr. C. G. MONTEFIORE, M.A.

Principal: Miss E. E. LAWRENCE.

Secretary: Mr. ARTHUR G. SYMONDS, M.A.

Students are trained for the Examinations of the National Froebel Union.

Prospectuses and particulars as to Scholarships may be obtained from the PRINCIPAL

CHERWELL HALL, OXFORD.

RECOGNIZED BY THE BOARD OF EDUCATION, BY THE OXFORD DELEGACY, AND BY THE CAMBRIDGE UNIVERSITY SYNDICATE FOR SECONDARY TRAINING.

Principal:

MISS CATHERINE I. DODD, M.A.

Students are prepared for the Oxford Teachers' Diploma; the Cambridge Teachers' Certificate; and the Cherwell Hall Teachers' Certificate for Junior Form Mistresses.

Fees for the three Terms, from 75 to 100 Guineas.

Scholarships of £50 may be awarded to all Honours Graduates who satisfy the conditions. Scholarships of £20 may be awarded to Pass Graduates. There is a Loan Fund. Students may borrow sums not exceeding £25, to be repaid within three years.

Particulars and Prospectuses may be obtained from THE PRINCIPAL.

Girls' Public Day School Trust, Limited.

GLAPHAM HIGH SCHOOL

SECONDARY TRAINING DEPARTMENT.

68 SOUTH SIDE, GLAPHAM COMMON, S.W.4.

HEAD MISTRESS: Miss A. E. ESCOTT.

THE Training Departments in connexion with this School and the Examinations for which students are prepared are as follows:—

1. SECONDARY TRAINING DEPARTMENT for Post-graduate students (recognized by the Board of Education). Cambridge Teacher's Certificate and London Teacher's Diploma.

2. ART TRAINING DEPARTMENT. Various Examinations qualifying for Art Teaching in Secondary Schools.

3. KINDERGARTEN TRAINING DEPARTMENT. All Examinations of the National Froebel Union, including Trainer's Diploma.

4. TRAINING DEPARTMENT for Teachers of Housecraft.

Diplomas in this Department are awarded by the G.P.D.S.T. for Domestic Teaching in Secondary Schools, and are endorsed by the Board of Education.

Resident students are received in Hostels licensed by the Council.

MEDICAL

PRELIMINARY EXAMINATIONS

THE

University Examination Postal Institution

provides postal courses for Medical Preliminary Examinations, more particularly for the Junior and Senior Examinations of the College of Preceptors.

Normal Course, 120 Lessons, £6; but the length of the course varies with the student's attainments on starting.

Each lesson consists of very full lesson-notes, papers of questions, and answer-notes.

Oral lessons are also given, privately or in class.

Prospectus and full particulars can be obtained from the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Square, London, W.C.1.

THE LONDON INSTITUTE FOR THE ADVANCEMENT OF PLAIN NEEDLEWORK.

92 VICTORIA STREET, S.W.1.

EXAMINATIONS for Teachers'

Needlework Diplomas are held in March, June, and December, and for Dressmaking Diplomas in January and July.

Work from Secondary, High, Convent, and other Schools examined in April, July, and December, and Certificates awarded to Scholars.

For dates and particulars apply to THE SECRETARY.

ST. GEORGE'S TRAINING

COLLEGE (Department of St. George's School for Girls, Incorporated, Windmill Brae, Garscube Terrace, Edinburgh).

Principal: Miss ELIZABETH STEVENSON, B.A., Classical Tripos, Cambridge; Girton College.

This College gives Professional Training to women who intend to teach in Intermediate and Secondary Schools and in Kindergarten and Preparatory Departments. It is recognized by the Scottish Education Department and the Cambridge Teachers' Training Syndicate and prepares Students for the Certificates of the Scottish Education Department, and the Cambridge Teachers' Certificate.

There is a Special Department for the training of Kindergarten and Junior Form Mistresses in Preparation for the Higher Certificate of the National Froebel Union.

Certain bursaries are available and there is a Loan Fund.

Prospectus and further particulars from the PRINCIPAL.

TRAINING COLLEGES and Technical Schools.

See also pages 777-786, 804, 805, 817, 819, 822, 838, 849; [Halls of Residence] 778, 780, 781; [Physical Training] 779, 783, 784; [Scholarships] 780-783, 786.

UNIVERSITY COLLEGE, READING.

HALLS OF RESIDENCE FOR WOMEN.

St. Andrew's Hall,
Wessex Hall.

St. George's Hall,
Cintra Lodge.

EDUCATION COURSE, SECONDARY DIVISION.

(Recognized by the Board of Education and the Cambridge Syndicate.)

Lecturer in Education and Tutor:—

Miss LUCY ASHCROFT, Newnham College, Cambridge, M.A. Dublin.

A YEAR'S COURSE FOR WOMEN STUDENTS in preparation for the Cambridge Teachers' Certificate will begin on January 8, 1920. In the case of graduates and other students qualified for grants under the Regulations of the Board of Education for the Training of Teachers, no tuition fee is charged. Graduates in Honours may be eligible for maintenance grants. A Prospectus and further information may be obtained from the REGISTRAR.

EXHIBITIONS.

The College offers about seven Exhibitions, varying from £10 to £20 in value, open to graduates. Entries should be sent in by December 9th.

FRANCIS H. WRIGHT,
Registrar.

UNIVERSITY COLLEGE, READING.

CERTIFICATE IN GEOGRAPHY.

Professor of Geography: H. N. DICKSON, M.A., D.Sc., C.B.E., F.R.S.E.

Lecturer in Regional Geography: The Rev. E. C. SPICER, M.A.

A ONE-YEAR COURSE, intended for graduates and students of equivalent standing, is held for the College Certificate in Geography. Students entering the College not later than January 8th, 1920, may be admitted to the examination in June, 1920. A prospectus of the Course may be obtained on application to the Registrar.

FRANCIS H. WRIGHT,
Registrar.

UNIVERSITY OF BRISTOL.

DEPARTMENT OF EDUCATION.

One-Year Course of Training for Graduates, leading up to Diploma in Education.

Preparation for work in Secondary, Continuation, Primary Schools.

Fees:—

18 Guineas. Registration, 1 Guinea.

Particulars from—

THE REGISTRAR.

Early application should be made for entrance in September, 1920.

BEDFORD COLLEGE FOR WOMEN

(University of London),

REGENT'S PARK, N.W.1.

SECONDARY TRAINING DEPARTMENT.

Recognized as a Training College by the Board of Education, the University of London, and the Cambridge Syndicate.

For particulars of Scholarships and Bursaries apply to the Head of the Department, Miss S. MULLHUSH, Final Hist. Hons. Oxon.; M.A. Vict.; London Diploma in Pedagogy (University Reader in Education).

UNIVERSITY OF GRENOBLE (France).

WINTER TERM, 1919-1920.

3rd November to 15th March.

COMPLETE Course of University Study in Letters, Science, Law, Medicine. Polytechnic Institute. Commercial Institute. **Special Lectures on French Language and Literature for foreign students.**

Complete Course of Phonetics. Practice in Reading and Speaking. (Groups of 6.) Practice in Translation and French Composition. (Groups of 25.)

Fees: 1 semestre, Nov. 1-Mar. 15, 75 francs; 1 an, Nov. 1-June 30, 120 francs. (Exclusive of Practical Exercises.)

Family Boarding Houses from 40 to 100 francs a week.

Every Winter Sport (skating, sledging, ski, &c.), in the finest province of France.

Half fare on the P.L.M. line.

More detailed information sent free on receipt of demand addressed to

COMITÉ de PATRONAGE des ÉTUDIANTS ÉTRANGERS,

UNIVERSITÉ DE GRENOBLE (France).

WESTFIELD COLLEGE

(UNIVERSITY OF LONDON).

Chairman of Council:

The Rev. Canon TEMPLE, D.Litt.

Principal: Miss B. S. PHILLIPPS, Litt.D.,

F.R.Hist.Soc., O.B.E.

Students are prepared for the Arts and Science Degrees of the University of London; there is also a two years' course in Citizenship, for which a College Diploma is awarded.

Fees.—Resident £120 a year; non-resident from 30 guineas a year.

A certain number of Scholarships of from £25 to £50 a year for three years are offered for competition at an Examination to be held April 26th-29th, 1920. Applications for entrance should be sent in before April 12th.

For Calendar and further particulars apply to the PRINCIPAL, Westfield College, Hampstead, N.W.3.

MRS. CURWEN'S PIANO-FORTE METHOD.

ALSO EAR TRAINING AND SIGHT SINGING FROM SOL-FA AND STAFF.

HOLIDAY CLASSES for MUSIC TEACHERS, held daily, Jan. 1st to 7th, 1920, at the Wigmore Hall Studios, Wigmore Street, W.1, taught by Miss SCOTT GARDNER and Miss MARGARET KNAGGS, A.R.C.M. An interview may be had by appointment.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS,

23 Store Street, W.C.1.

The Dalcroze School of Eurhythmics, Ltd.

Telegrams:

"Eurhythm, London."

Telephone:

Museum 2294.

In the Teachers' Training Course the School year began October 1st. Prospectus on application.

PERCY B. INGHAM, B.A., Director.

STREATHAM HILL HIGH SCHOOL

(Girls' Public Day School Trust).

MUSIC TEACHERS' TRAINING DEPARTMENT.

Recognized by the Teachers Registration Council.

Under the supervision of STEWART MACPHERSON, Esq.

Teachers in training attend lectures and classes in—

1. Aural Training (including Rhythmic Movements).
2. Elementary Pianoforte Teaching and its correlation with the above subjects.
3. Harmony (Aural and Keyboard).
4. Form and the History of Music.
5. The direction of School Choral Classes.
6. Class Management and Elementary Psychology.

Teachers attending these lectures are given opportunities of themselves teaching, under supervision, School Forms and Divisions.

Lecturers:

STEWART MACPHERSON, F.R.A.M.
Miss ELSIE MURRAY, L.R.A.M., and others.

Further particulars of the above Course may be obtained from the HEAD MISTRESS, Miss RETA OLDHAM, M.A.,

Streatham Hill High School, Wavertree Road, Streatham Hill, S.W.2.

Northern Counties Training School of Cookery and Household Economy,

NORTHUMBERLAND ROAD, NEWCASTLE-UPON-TYNE.

Principal: Miss A. B. ROTHERAM.

Students trained as Teachers in
COOKERY, SEWING,
LAUNDRY, DRESSMAKING,
HOUSEWIFERY, MILLINERY

School year began in September.

HOUSE OF EDUCATION, AMBLESIDE.

SECONDARY TRAINING COLLEGE.

FOUNDED 1891.

THERE are no vacancies left for January 1920, but still some for January, 1921. Apply to SECRETARY, House of Education, Ambleside.

TRAINING COLLEGES and Technical Schools.

See also pages 777-786, 804, 805, 817, 819, 822, 838, 849; [Halls of Residence] 778, 780, 781; [Physical Training] 779, 783, 784; [Scholarships] 780-783, 786.

THE HORTICULTURAL COLLEGE, SWANLEY, KENT.

Scientific and Practical Instruction in Horticulture, Fruit Growing, Marketing and Packing; Farming, Dairying and Poultry Keeping, Bee-keeping, Fruit Preserving, and Domestic Economy.

The Diploma Course, two years.

Small Holders Course, two years: one year Horticulture; two terms Farming, Dairy and Poultry Keeping; one term Domestic Economy.

Landscape Gardening Course, two years.

Commercial Horticulture Course, one year: for women with previous experience, or as a second year to one of the College courses.

For particulars apply to the Principal.

SCHOOL OF GARDENING, CLAPHAM, near WORTHING.

Principals: Miss C. CRACKNELL, late of Swanley Horticultural College.
Miss F. COLLINS.

PRACTICAL and Theoretical Training in Gardening: Fruit, Vegetables, and Flower Growing; Glasshouse and Frame Work. Course of two years; also Shorter Courses. Poultry (extensive and intensive); Milking; Butter-making; Bee-keeping. Preparation for R.H.S. Particularly successful with young students.

SCHOOL OF GARDENING, REEDENS, NEWICK, SUSSEX.

Principal: Miss C. M. DIXON, F.R.H.S.

A thoroughly practical training is given to enable students to take up Horticulture as a profession, or to supervise their own gardens for pleasure or profit. Jam making and fruit bottling. Preparation for R.H.S. Charming house and grounds.

ALDERSEY HALL, HANDLEY, CHESHIRE. SCHOOL OF GARDENING, Practical and Theoretical.

Poultry, Farm Work, Home Management, Cooking.

Extensive grounds; Royal Horticultural Society's Exam. Comfortable home life; games. For prospectus apply—Miss CORNELIUS WHEELER, N.D., Hort., F.R.H.S. School removed from Hampshire after being established 15 years.

BEDFORD KINDERGARTEN CO., LIMITED, AND TRAINING COLLEGE, 14 The Crescent.

Council:

THE BISHOP OF BIRMINGHAM;
C. W. KAYE, Esq., M.A., late Head Master,
Bedford Modern School.
Principal: Miss AMY WALMSLEY.

A thorough training is given at the above College to Students preparing for the National Froebel Union Examinations. Opportunity for Class Teaching is afforded in the Kindergarten, Transition and Preparatory Classes.

House of Residence for Students—Shenstone Lodge, Osborne House, and Magdala House.
Branch School—Froebel House, Goldington Avenue.

For terms and particulars apply to—
The Secretary, ALEXANDER MORRISON, 26 Hill St., Bedford.

SPEECH TRAINING SCHOOL, NON-RESIDENTIAL 8 Blenheim Terrace, Leeds.

Principal: Miss GERTRUDE TOOGOOD.

A SPECIAL COURSE to train Students as Teachers of Elocution and Reciters, including Preparation for the L.R.A.M. Diploma. Yorkshire Students can visit Leeds weekly for this Course. Private tuition. Speech defects treated. York and Harrogate weekly. Prospectus and fees for Special Course or Private Tuition forwarded.

WHITELANDS TRAINING COLLEGE FOR WOMEN TEACHERS, CHELSEA, S.W.3.—A special ONE-YEAR COURSE OF TRAINING, recognized by the Board of Education, for those desiring to teach in CONTINUATION SCHOOLS is held at the above College, beginning in September. For particulars, entrance qualifications, fees, course of training, &c., apply to the SECRETARY.

GUILD OF EDUCATION AS NATIONAL SERVICE.

HALSEY TRAINING COLLEGE

(Recognized by the Board of Education)

FOR

Rural and Urban Day Continuation Work.

PREPARATION for work in DAY CONTINUATION SCHOOLS for Factory and Town Workers at Canning Town, E., where there are Voluntary Continuation Classes at the Hostel.

Preparation for work in similar schools for Rural and Farm Workers at Kenton, near Harrow. Hostel, Clubs, and Instructional Market Garden Farm.

Board of Education Grants available for Graduates, for Certificated Teachers (men and women), and for Training and Maintenance given to demobilized men. Apply—Org. Sec., Guild of Ed. as Nat. Service, 11 Tavistock Square, W.C.1.

NORTH OF ENGLAND.

THE CALDER GIRLS' SCHOOL, Seascale, Cumberland.

Mountain and Sea air,
dry, bracing, and sunny.

The aim is to give a sound education to Girls on Public School lines.

One of the five houses is set apart for Juniors under 14 years of age.

Well equipped classrooms, laboratory, gymnasium, and good playing field.

Illustrated Prospectus on application to the Head Mistress.

COACHING, CORRESPONDENCE LESSONS, &c.

MISS E. M. SMITH, Camb. Nat. Sc. Tripos, Part I, B.Sc. (Hons.) London, is prepared to COACH by correspondence or personally, in Mathematics and Sciences (Physical and Biological). University Locals, Matriculation and Inter. B.Sc. examinations. References. Moderate terms. Address—68 Gough Road, Edgbaston, Birmingham.

MISS MASOM, B.A. Honours, Registered Teacher, prepares for Matriculation, Oxford and Cambridge Locals, Responses, &c. in Mathematics and other subjects. Greek for Responses. Schools or privately. At Richmond twice weekly. Successful experience. Highest testimonials.—207 Adelaide Road, Hampstead, N.W.3.

FRENCH LESSONS for Girls from Edinburgh Graduate (Honours in Languages). 2 half hours a week. 3 guineas for 24 lessons. Apply—Miss TROTMAN, 62 Broadway, Westminster

MISS M. MURDOCH, L.L.A., Coaches by Correspondence in French, History, English Language, and Literature, and Comparative Religion for Cambridge and Oxford Locals and other examinations.—The Rectory, Little Stukeley, Huntingdon.

COACHING by Correspondence in Latin and Greek for University and Scholarship examinations. Prose versions for the use of teachers.—Miss WISHART, M.A. Lond., Churchstanton, Honiton.

DR. ETHEL R. SPRATT, D.Sc. (Lond.), A.K.C., late lecturer at King's College, University of London, will give private tuition, personally or by correspondence in general subjects to Matriculation standard: Mathematics, Chemistry, Physics, to Inter. B.Sc., and Botany for any examination, including Hons. B.Sc.—47 Beryl Road, Hammersmith, W.6.

ELOCUTION AND SINGING.—CORDELIA COE (Cert. R.A.M.) gives Private Lessons in the above. Schools attended. Plays produced. For terms apply by letter—63 Biddulph Mansions, Maida Vale, W.9.

SCHOOL
WORLD

WANTED.—Parts for MARCH, 1904 (Vol. 6).

MR. JOHN DAVIS,
13 PATERNOSTER ROW, E.C.4.

EDUCATED GIRLS thoroughly trained for permanent and well paid Secretarial and Journalistic Appointments. Prospectus—Miss IRONSIDE, Training Bureau, 50 Lincoln's Inn Fields, W.C.2.

PHYSICAL TRAINING, REMEDIAL GYMNASTICS, &c.

THE INCORPORATED GYMNASTIC TEACHERS' INSTITUTE.

(Founded 1897.)

Offices: 25 CHALCROFT ROAD, LEE, LONDON, S.E. 13.

THE Institute is an Examining Body of Teachers of Gymnastics, &c., and Fencing, and its membership, obtainable by Examination only, consists of Fellows, Members, and Associates.

The Institute also holds Examinations for Elementary School Teachers' Certificate for Physical Training.

Students are Trained as Teachers and for the Institute's Examinations.

Full particulars of the Examinations, &c., may be obtained from the Hon. Secretary, Mr. T. WILLIAMS.

Principals of Schools and Colleges requiring Trained and Certificated Teachers of Drill, Gymnastics, &c., or Fencing, should apply to the Hon. Secretary.

THE LING ASSOCIATION

(Of Trained Teachers of Swedish Gymnastics).

FOUNDED 1899.

Hon. Secretary: Miss HANKINSON, 67 Shaftesbury Road, Crouch Hill, London, N. 19.

EXAMINATIONS held for Swedish Gymnastic Teachers' Diploma.

The Association keeps a list of certificated Gymnastic and Games Mistresses.

For Terms of Membership, Conditions of Examination, Entrance Forms, Syllabus, &c., apply to the Hon. SECRETARY.

"Good and Bad School Postures."

Published by the Ling Association. A series of ten Drawings, showing the effects of faulty positions in standing, writing, sewing, &c. No School should be without them. Mounted on cards, 15 in. x 20 in., with cords ready for hanging. Price 5s. per set, post free in British Isles, from Messrs. SPENCER, HEATH, & GEORGE, 54 Goswell Rd., London, E.C. 1.

Other Publications.

Net Ball Rules, 4d.; Game of Net Ball and How to Play it, 7d.; Rounders Rules, 4d.; Scandinavian Dances (Series I and II), 3d. each; Music to Dances, 9d. each. Post free from Hon. SECRETARY.

BEDFORD PHYSICAL TRAINING COLLEGE.

LING'S SWEDISH SYSTEM.

Principal: Miss STANSFELD
(President of the Ling Association of Gymnastic Teachers).

The object of the College is to train Students to enable them to become Teachers of Gymnastics and Games in Schools.

The Course of Training (three years) includes the Theory and Practice of Gymnastics on the Swedish System, Massage and Medical Gymnastics, Anatomy, Physiology and Hygiene, Dancing, Lacrosse, Lawn-tennis, Hockey, and Cricket.

An educational centre like Bedford affords special facilities for practice in Teaching and professional coaching in Games. Swimming and Boating in the summer.

For Prospectus apply—SECRETARY, 37 Lansdowne Road, Bedford.

CHELSEA

COLLEGE OF PHYSICAL EDUCATION

FOR WOMEN.

(SWEDISH SYSTEM.)

Chairman of the Governing Body:
The Rt. Hon. The LORD DOWNHAM.

Three Years' Diploma Course of University Standard. The training afforded to students at this College enables them to secure appointments of the Highest Standard.

Apply for Prospectus to Miss DORETTE WILKIE (Room 85), S.W. Polytechnic Institute, Chelsea, London, S.W. 3. Tel.: Western 899.

LIVERPOOL PHYSICAL TRAINING COLLEGE,

BEDFORD STREET, LIVERPOOL.

LING'S SWEDISH SYSTEM.

Principal: Miss IRENE M. MARSH.

For Ladies as Gymnastic and Games Mistresses, and Medical Gymnastic Teachers and Masseuses.

THE Course is two years, and includes a large number of subjects, making the training very valuable and enabling each Student to specialize in some particular branch.

It includes Educational and Remedial Gymnastics, Fencing, Rowing, and Swimming. All Games are taken to a very high standard, and Dancing is also made a speciality. Also it includes two subsidiary subjects—Needlework and Elocution.

Lectures and lessons are given in Anatomy, Physiology, Pathology and Orthopaedics, Ambulance, Home Nursing, Theory of Movement, &c.

For prospectus apply—COLLEGE SECRETARY.

GARDNER'S

PHYSICAL TRAINING COLLEGE,

WALLINGTON, SURREY.

Complete training is given on Arvedson's principles in Educational and Remedial Gymnastics and Massage, also Dancing, Fencing, Swimming, Sports, &c.

Students must be well educated, and between the ages of 18 and 30.

Fees per annum, 90 guineas resident, 45 guineas non-resident.

There is also a One Year's Course for Remedial and Massage work. Fee 21 guineas.

Three Scholarships will be awarded annually to the value of One, Two, and Three Years' training. For full Particulars apply to the SECRETARY.

DENMARK HILL PHYSICAL TRAINING COLLEGE

and School of Massage, Sunray Avenue, Herne Hill, London, S.E. 24.

Training strictly Swedish. Preparation for the Examinations of the Ling Association and the Incorporated Society of Trained Masseuses.

OPEN-AIR GYMNASIUM. SPORTS GROUND. RESIDENTIAL HOSTEL ATTACHED.

THE NATIONAL SOCIETY OF PHYSICAL EDUCATION.

(Founded 1897.)

President: Sir H. H. RAPHAEL, Bart., M.P.

Headquarters: THE POLYTECHNIC, REGENT STREET, W.1.

EXAMINATIONS for the Society's Gymnastic Diploma, Elementary School Teachers' Drill Certificate, Swedish Physical Training Certificate, &c., &c., are held in March, June, October, and December.

College and School Principals requiring fully qualified Drill or Gymnastic Teachers should notify the Hon. Secretary.

Handbook and Syllabus may be obtained of Mr. JOHN M. THOMSON, 10 Dordrecht Road, Acton Vale, W.3.

THE BERGMAN OSTERBERG PHYSICAL TRAINING COLLEGE, Kingsfield, Dartford Heath, Kent, and the BERGMAN OSTERBERG UNION OF TRAINED GYMNASIAC TEACHERS.

See advertisement on page 779.

TRAINING COLLEGE

FOR

Swedish Remedial Exercises and Massage.

Founder: F. BARRIE LAMBERT, M.B., B.S., D.P.H.

The training is modelled on that obtainable in Sweden, and includes preparation for the examinations of the Incorporated Society of Trained Masseuses, with practical experience at two London Hospitals.

For further particulars apply to the Directors, A. W. BROWN and E. M. HUMBLE, 36 Pembridge Villas, London, W.11. Tel.: PARK 3945.

PHYSICAL TRAINING COLLEGE,

LOWER REDLAND ROAD, BRISTOL.

TRAINING in Swedish and British Gymnastics for public examination. Tennis, Hockey, Cricket under a County player. Swimming, Massage and Remedial Gymnastics under a certificated Masseuse. Anatomy, Physiology, Hygiene.

Dancing, Ballroom and Ballet, Dalcroze Eurhythmics.

Students prepared for the advanced certificate of The English Folk Dance Society.

Residential fees on application to—The Misses JENNINGS, HOLBROW, and COLSON.

For other Physical Training Advertisements see pages 779 and 782.

BURLINGTON CORRESPONDENCE CLASSES.

Principal: Mr. J. CHARLESTON, B.A. (Hons. Oxon. and Lond.).

THE STAFF includes Graduates of London, Oxford, Cambridge, and other Universities.

THE METHOD is thoroughly individual system, ensuring the closest attention to the needs of each student.

EXPERT TUITION for:—

Matriculation.

Oxford and Cambridge Locals (Junior, Senior, and Higher).

Intermediate Arts and B.A.

Intermediate Science and B.Sc. (Theoretical Subjects only).

L.L.A. (St. Andrews).

College of Preceptors' Diplomas.

SINGLE subjects may be taken if desired:—Latin, Greek, French, Mathematics, Logic, Psychology, &c.

Address—THE SECRETARY,
Burlington Correspondence College,
14 Elsham Road, Kensington, W.14.

PHYSICAL TRAINING.

See also pages 779 and 783.

Anstey Physical Training College, Erdington,

offers complete Teacher's Training in Swedish Educational Gymnastics, Medical Gymnastics and Massage, Dancing in all its branches, Games, Swimming, Anatomy, Hygiene, &c.

RESIDENTIAL FEES: £110 a year.

THREE YEARS' COURSE.

Good Appointments after Training.

WANTED.—Balancing Benches, High Plinth, Medical Stools, Vertical Window Ladder, Vaulting Horse, Climbing Ropes, and Beating Board.—Miss BRAKE, 11 East Hill, Ashford, Kent.

Continental Schools

COLLÈGE DE CANNES,
FRANCE (High School for Boys). Fine building; every comfort. Private rooms. Special arrangement for foreigners wishing to speak French fluently. £21. 8s. a term.

DANS très bel immeuble, bien organisé, très bien situé, on reçoit Jeunes Filles pour achever éducation française. Cours faits par Professeurs de l'Etat; régime choisi. Ville située sur grande ligne, Paris-Bordeaux, proximité Royan et plages océan Côte d'Argent. S'adresser pour tous renseignements à Madame LA DIRECTRICE DE L'ÉCOLE PRIMAIRE SUPÉRIEURE DE JEUNES FILLES DE PONS (Charente Inférieure), France.

BEDFORD COLLEGE OF DANCING AND PHYSICAL CULTURE.

The Crescent Studios, 4a The Crescent, Bedford.

MISS MILDRED BULT receives resident and non-resident students to train for the profession. A thorough training in Technique in all branches of Dancing and in Class Teaching given.

The course includes **Drill, Gymnastics, Fencing, and Voice Production.** Students live in the Principal's pleasant private house and have every home care and comfort. For Prospectus apply—Miss BULT.

PHYSICAL TRAINING COLLEGE, QUEEN ALEXANDRA'S HOUSE GYMNASIUM, KENSINGTON GORE, S.W.7.

EDUCATED GIRLS TRAINED as TEACHERS of Drill, Gymnastics, Games, Dancing, Fencing, Swimming, Massage, and Remedial Exercises. A four terms' course in Massage only can be taken separately. Apply for prospectus to The Misses BEAR, Principals.

PORTLAND ROAD GYMNASIUM, London, W.—Students thoroughly trained for Public Examinations. Duration of Course, 2 to 3 years. All branches of Physical Work. English and Swedish Gymnastics, Hygienic Exercises, Dancing, and Remedial Work.—Miss TOLLEMACHE, Member and Examiner of the British College of Physical Education, M.G.T.I., Kyson, Highcroft Gardens, Golder's Green, N.W.4.

Speech Training and Elocution.

MISS LAURA SMITHSON,

L.R.A.M. Elocution A., Director of Stratford-on-Avon Shakespeare Festival Summer School of Education. Recommended by Sir Frank Benson, Miss Lilian Baylis, Ben Greet, Esq., William Poel, Esq. Elocution, Voice Production and Dramatic Training. Pupils prepared for L.R.A.M. Elocution Diploma. Schools near London visited. Stammering and other defects of Speech treated. Address—109 Abbey Road Mansions, N.W.8. North Country towns, including Newcastle-on-Tyne (Conservatoire of Music) visited weekly by Miss IVY SMITHSON.

JOINT SCHOLASTIC AGENCY LTD.

The object of this Agency is to render assistance at a minimum cost to Masters seeking appointments. *There is no Registration Fee, and the lowest possible charges are made for Commission, which are still further reduced by large discounts—see Rules VII and VIII of Prospectus, which will be sent on application.*

This Agency is under the direction of a Committee representing the following leading Educational Associations:—

Head Masters' Conference; Incorporated Association of Head Masters; College of Preceptors; Teachers' Guild; Incorporated Association of Assistant Masters.

Registrar: Mr. E. A. VIRGO.

9 Brunswick Square, London, W.C.1 (near Russell Square Tube Station and the Foundling Hospital).

Office Hours: 9.30 a.m. to 5 p.m.

Saturdays, 9.30 a.m. to 1 p.m.

The most convenient hours for interviews are from 11.30 a.m. to 1.30 p.m., and from 3.30 p.m. to 4.30 p.m.

Appointments should be made when possible.
Telephone: Museum 3217. **Telegrams:** "Educatorio Grenville London."

Christmas Holiday Training Courses.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

ST. ALBAN'S ROAD, W.8.

MUSIC TRAINING DEPARTMENT.

The Tenth Holiday Training Course for Teachers will be held from 10 a.m. till 12 noon, from Monday, December 29th, 1919, to Saturday, January 10th, 1920 (inclusive). The Course will include instruction in Harmonizing, Extemporizing, &c., and Lectures will be given on the Methods used in the Ear Training Classes.

THE LONDON SCHOOL OF DALCROZE EURHYTHMICS.

Dalcroze School of Eurhythmics, Limited.

33 Store Street, W.C.1.

will hold VACATION CLASSES in LONDON. Monday, December 29th to Thursday, January 8th inclusive (Rhythmic Movement, Solfege and Practical Harmony), and in LIVERPOOL, Monday, December 29th to Thursday, January 8th inclusive (Rhythmic Movement only). Prospectus on application.

THE ENGLISH FOLK DANCE SOCIETY.

Hon. Director: CECIL J. SHARP.

A CHRISTMAS SCHOOL of Folk Song and Dance will be held in London from December 29th to January 3rd, inclusive. For further particulars apply to the SECRETARY, E.F.D.S., 73 Avenue Chambers, Vernon Place, W.C.1.

**We have now a large number
of ASSISTANT MASTERS and
MISTRESSES DISENGAGED.**

**GOOD SCHOOLS
FOR SALE IN VARIOUS
PARTS OF THE COUNTRY.**

**ALL BUSINESS CONDUCTED
PROMPTLY AND CAREFULLY.**

Address: OSWALD SUNDERLAND.

The Bureau, 1 Sicilian House, London, W.C.1.

MONSIEUR JAUQUES-DAL-
CROZE will give **Lecture-Demonstrations**
of **Eurhythmics** in JANUARY:-
LONDON, Saturdays, January 10th and 17th, 10.30
a.m.; Thursday, January 15th, 8.30 p.m.; DUBLIN,
Monday, January 19th, EDINBURGH, Wednesday,
January 21st, LIVERPOOL, Thursday, January
22nd, MANCHESTER, Friday, January 23rd. De-
tails on application to THE DALCROZE SCHOOL OF
EURHYTHMICS, LIMITED, 23 Store Street, London,
W.C.1.

L. R.A.M. and A.R.C.M. Teaching
Singing Exams. Special Correspondence
Course and personal tuition. Complete preparation.
Pupil writes: "Your Course is excellent, and my
singing work has greatly improved, thanks to your
tuition.—A. F."—Mr. W. LEE WEBSTER, L.R.A.M.,
A.R.C.M. (Teaching Singing), 22 Lucknow Avenue,
Nottingham.

LECTURES ON ART. Single or
in Series. London and the provincial
capitals. For prospectus and terms address—Miss
A. ROBERTSON, 45 Paulton's Square, Chelsea, S.W.3.

FOR SALE.—PARALLEL BARS
made by Spencer, Heath, & George. In use
for one term only with small class. Perfect con-
dition. Address—No. 10,934.*

Partnerships Offered or
Desired.

PARTNERSHIP

offered to

ENGLISH MISTRESS

with a few pupils and connexion,
by Principal of small high-class
Girls' School. Beautiful house,
seaside, South.

Address—No. 10,912.*

WANTED, a PARTNER in a
rapidly increasing Preparatory Boys' School
in Ireland. Day Boys and Boarders now total 50.
An English Public School man desired, and a Grad-
uate of Oxford or Cambridge preferred. No im-
mediate outlay of capital required. Full particulars on
application. Address—No. 10,919.*

**School Premises
Wanted.**

PRINCIPAL of High-class Girls'

School (25 boarders) wishes to rent, on lease,
suitable house standing in 2 to 5 acres in a good resi-
dential neighbourhood. Home counties or seaside.
Rental about £300. Would join another school with
view to transfer. Address—No. 10,917.*

Posts Wanted.

POSTS ABROAD.

LADY TEACHERS are earnestly
advised to consult the Continental
Secretary of the Girls' Friendly Society, 14
& 16 Holborn Place, Bloomsbury Square, London,
S.W.1, before accepting any post abroad. Apply
by letter, enclosing stamped addressed en-
velope. A small charge is made for verification.

GAMES, DANCING, SWEDISH

GYMNASTICS.—For trained and certified
teachers, having had experience, apply to THE
SECRETARY, Association of Past Students, Physical
Training College, Liverpool.

YOUNG lady (25), giving up teach-
ing (trained, certificated), requires SECRE-
TARYSHIP or similar post after Christmas.
Address—PRICE, 31 George Street, Devonport.

* Replies to these advertisements should be addressed "No.—, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient postage stamps to cover postage on to advertiser. Post cards will NOT be sent on.

GEORGE GILL & SONS, Ltd.

GEOMETRY AND EUCLID.

- Examination Euclid, Book I.** With Numerous Riders, s. d.
Deductions, Notes, &c. By Rev. F. MARSHALL, M.A. 64 pp., crown
8vo, Paper 0 4½
- The O. and C. School and College Euclid.**
By the Rev. F. MARSHALL, M.A. Containing Books I, II, III, and
IV, together with numerous Riders, Deductions, Notes, &c. 160 pp.,
crown 8vo 1 6
- The O. and C. Theoretical and Practical
Geometry.** A Treatise on Geometry for Juniors. Contained
in five sections 2 3
- School of Art Geometry.** By T. W. GOOD. Practical
Plane Geometry, including Curves defined by Simple Conditions,
Compound Curves composed of Circular Arcs, Curves of Rotation
and Revolution, &c. Revised to meet latest Examination require-
ments. 128 pp., crown 8vo 1 6

GEOGRAPHICAL.

- The Imperial Geography.** By GEORGE GILL, F.R.G.S.
A Geography of the World, embodying recent commercial develop-
ments, together with such statistics as may be necessary for the ex-
aminations. Illustrated by 106 specially engraved Maps of Countries,
River Basins, Centres of Commerce, Routes, &c. The text is rendered
interesting by the addition of useful information dealing with the Com-
mercial and Social life of the people. 494 pp., crown 8vo 3 9
- The O. and C. Geography.** By GEORGE GILL, F.R.G.S.
Revised edition, new Maps 2 0
- Where possible this edition has been brought up to date to include
the geographical changes in consequence of the Great War. Owing
to the lack of official information, in some cases the previous text has
remained unaltered. As the necessary information is forthcoming,
the book will be further revised.
- The O. and C. Junior Geography.** Expressly pre-
pared for use in Junior Forms. Illustrated by many Coloured Maps
and Pictures. 168 pp., crown 8vo, Cloth 1 6

MATHEMATICAL.

- The O. and C. Algebra.** The worked examples are s. d.
clearly set forth in a manner approved by the examiners, and a
special feature is a whole chapter on the solution of classified harder
problems. 200 pp., crown 8vo 2 3
- Answers, Cloth, separate, guaranteed correct** 0 9
- Graphical Algebra.** By R. H. ALLPRESS, M.A., and Rev.
F. MARSHALL, M.A. A Treatise on the functions of the more ele-
mentary Algebraic expressions by means of Graphs or diagrammatic
representation. 32 pp., crown 8vo 0 9
- 1,000 Graduated Mental Arithmetic Ques-**
tions. By I. SCOTT, B.A. A Teachers' Handbook of Mental
Arithmetic. Questions carefully graduated. With Answers, net 0 9

HISTORICAL.

- The Imperial History.** By ROSCOE MORGAN, B.A. The
text of this work is not overburdened with unnecessary detail, whilst
no effort has been spared to render the book suitable for examination
requirements. Numerous Maps and Illustrations illustrate the text.
416 pp., crown 8vo 3 9
- The O. and C. History of England.** 2 0
- From B.C. 55 to the present day. Containing 55 Illustrations and
28 Coloured Maps. The text of this work is not overburdened with
unnecessary detail. This book is especially suitable for examination
requirements.
- Historical Atlas, with Chronological Notes.** By E. A. BENIANS,
M.A., and T. H. KNIGHT, M.A. 40 new Historical Maps, with full
Notes facing each Map. Crown 8vo, 96 pp., Full Boards, net 1 0
- Atlas and Notes on European History.** By J.
HARLEY FUDGE, M.A. 1 6
- Dealing from the time of Diocletian to the Great War, 1914. This
book contains 33 Maps, illustrating the notes which are divided into
27 chapters. These notes are chronologically arranged and practically
form a précis of the history of Europe.

CATALOGUE AND SPECIMEN PAGES POST FREE UPON APPLICATION.

London: GEORGE GILL & SONS, Ltd., 13 Warwick Lane, E.C.4.

MATRICULATION AND OTHER EXAMINATION NOTICES, SCHOLARSHIPS, FELLOWSHIPS, EXHIBITIONS, STUDENTSHIPS, and BURSARIES.

ROYAL HOLLOWAY COLLEGE.

(UNIVERSITY OF LONDON.)

Principal: Miss E. C. HIGGINS, B.A.

THE COLLEGE prepares Women Students for the London Degrees in Science and Arts.

ELEVEN ENTRANCE SCHOLARSHIPS, from £50 to £60 a year, and a certain number of Bursaries of not more than £30, tenable for three years, will be offered for Competition in June, 1920. Inclusive fee £120 a year.

For further particulars apply to the SECRETARY, Royal Holloway College, Englefield Green, Surrey.

FRAMLINGHAM COLLEGE, SUFFOLK.

PUBLIC SCHOOL, Incorporated by Royal Charter. Head Master: F. W. STOCKS, M.A.

Inclusive Fees, £57 to £66 per annum. Modern Laboratories and Workshops.

EXAMINATION for ENTRANCE SCHOLARSHIPS in March.

Illustrated prospectus and full particulars on application to the HEAD MASTER or the SECRETARY.

KENSINGTON HIGH SCHOOL (G.P.D.S.T.)

MUSIC TRAINING DEPARTMENT.

Admission in September, January, and May.

THREE SCHOLARSHIPS awarded annually.

For information apply to the HEAD MISTRESS, Kensington High School, St. Alban's Rd., Kensington, W.8.

BEDFORD SCHOOL.—Head

Master: REGINALD CARTER, M.A. An Examination will be held at Bedford on March 18th, 1919, for 4 Exhibitions £50-£40, and 6 Nominations £10-£20 for Boarders, and 4 for Day Boys. Apply for particulars to—HEAD MASTER, Bedford.

OLD BEDFORDIAN WAR MEMORIAL EXHIBITIONS.—Seven Exhibitions are offered to Sons of Old Bedfordians on certain conditions. For particulars apply—HEAD MASTER, Bedford School.

CRANBROOK SCHOOL, KENT.

Head Master: Rev. C. F. PIERCE, M.A. Examinations for ENTRANCE SCHOLARSHIPS and EXHIBITIONS are held in March, June, and November. For particulars apply to the HEAD MASTER, The School House, Cranbrook, Kent.

RADLEY COLLEGE.

Five Scholarships and some Exhibitions varying in value from £30-£25 will be offered for competition in the Summer of 1920. The date of Examination will be announced later.

Apply for particulars to:—

THE BURSAR OR THE WARDEN,
Radley College, Near Abingdon, Berks.

NEWMHAM COLLEGE.—TWO

SCHOLARSHIPS, one for Classics and one for Modern Languages, are offered in March, each of £50 a year for three years. Other Scholarships are offered on the results of the Cambridge Higher Local Examinations in June. Particulars can be obtained from the PRINCIPAL.

SCHOLARSHIPS.

The University Examination Postal Institution

has prepared many candidates successfully by post for Entrance and other Scholarships—e.g.,

Christ Church; Wadham College;
Lady Margaret Hall; Somerville College,
Trinity Hall; Newnham College;
Royal Holloway College;
St. George's Hospital; Guy's Hospital;
the "Hugh Conway," University Coll., Bristol;
First Senior Moderatorship in Natural Science,
Dublin University.

Apply to the Principal, Mr. E. S. WEYMOUTH, M.A., 17 Red Lion Sq., Holborn, London, W.C.1.

S. PETER'S SCHOOL, YORK.

AN Examination for Scholarships and Exhibitions, varying from £50 to £15, is held annually in May. General knowledge is required in preference to specialization in one subject. Exhibitions also awarded on the Common Entrance Examinations.

Further details from—

S. M. TOYNE, M.A., Head Master.

KING'S SCHOOL, CANTERBURY.—ENTRANCE and KING'S SCHOLARSHIPS. Some FIFTEEN SCHOLARSHIPS offered for competition twice annually, in June and November. For particulars apply to the Head Master—A. LATTER, M.A.

SCHOLARSHIPS.

FARADAY HOUSE ELECTRICAL ENGINEERING COLLEGE.—Examinations for SCHOLARSHIPS tenable in College and Manufacturing Works are held annually in April. For particulars apply to ACTING SECRETARY, 66 Southampton Row, W.C.1.

BLUNDELL'S SCHOOL, TIVERTON.—Six FOUNDATION SCHOLARSHIPS, including two of £60 a year, are competed for annually at the end of May. Candidates must be between 13 and 14 years of age on May 1st. Particulars can be obtained from the HEAD MASTER.

WEYMOUTH COLLEGE.

SIX SCHOLARSHIPS for CLASSICS or MATHEMATICS,

of the value of £40 downwards, and open to boys between twelve and fourteen,

are offered annually for Competition.

Next Examination will be in June, 1920.

For Prospectus and other information apply to the HEAD MASTER.

DOWNSIDE SCHOOL, BATH.

CLASSICAL and MATHEMATICAL SCHOLARSHIPS, value £50 a year. Examination in June.

Particulars from—

The Head Master,
Downside School,
Stratton-on-the-Fosse,
Near BATH.

BRIGHTON COLLEGE.—An Examination will be held in June, 1919, to elect to EIGHT SCHOLARSHIPS varying in value from £60 to £45 a year. Full particulars on application to the HEAD MASTER.

LANSING COLLEGE SCHOLARSHIPS.

—Entrance Scholarships will be offered for competition in last week of May or first week in June. Candidates must be over twelve years of age and under fourteen on June 1st.

(a) Six Scholarships (at least), Classical and Modern, varying from £80 to £30 per annum.

(b) Two Choral Exhibitions of £30 per annum open to all boys who can sing and read music.

Full allowance in all cases will be made for age. Candidates will be examined at Lansing, unless further notice is given to the contrary.

For Prospectus and all additional information, apply to the Head Master, Rev. H. T. BOWLEY, Lansing College, Shoreham, Sussex.

BRADFIELD COLLEGE.

AN Examination for ENTRANCE SCHOLARSHIPS and EXHIBITIONS open to boys under 15 on September 20th, 1920, will be held in May next at Bradford.

The following will be offered:—

Three Scholarships of 90 guineas.

One Exhibition of 60 guineas.

One Exhibition of 50 guineas.

Three to six Exhibitions of 30 to 20 guineas. Entry forms can be obtained from the HEAD MASTER, Bradfield College, Berks.

ST. BEES SCHOOL, CUMBERLAND.

The next examination for Scholarships (value £55 and £30) and for places on the Foundation (value £20) will be held early in March, 1920. For particulars apply to THE SCHOOL SECRETARY, St. Bees, Cumberland.

UNIVERSITY OF LONDON

KEDDEY FLETCHER-WARR STUDENTSHIPS.

THE Senate invite APPLICATIONS for the KEDDEY FLETCHER-WARR STUDENTSHIPS for the promotion of post-graduate research. The Studentships, which are tenable for three years and are of the annual value of not less than £200, are open equally to men and women of European descent who are graduates of some British University or have passed an examination necessary to qualify for a degree of some British University, but, other things being equal, preference will be given to a graduate of the University of London. Applications must be received not later than 31st December, 1919.—Further details can be obtained on application to the Academic Registrar, University of London, South Kensington, S.W.7.

SCHOLASTIC APPOINTMENTS

University men and women seeking scholastic appointments should apply to

Truman & Knightley —SCHOLASTIC AGENTS—LTD—

who introduce ASSISTANT MASTERS AND MISTRESSES to the majority of the leading Public and Private Schools at home and abroad.

Through this Agency, well educated gentlewomen with Higher Local and other good Certificates, interested in children and in teaching, can find congenial work in good high-class Private Schools, where the hours are not excessive, conditions are pleasant, and the holidays long. Salaries range from £60 to £120 or more per annum, with board and residence, according to age, qualifications, and experience. There are also many vacancies for Student Teachers, Junior Mistresses, and House Governesses or Duty Mistresses at salaries of from £30 to £60 per annum with board and residence.

There is a separate department for
LADY MATRONS and HOUSEKEEPERS
for schools.

No charge for registration.

::

Moderate commission.

SCHOOL TRANSFER DEPARTMENT.

Ladies and Gentlemen seeking Partnerships in, or to take over schools of their own, should communicate personally with Mr. TRUMAN, who undertakes all negotiations connected with the Transfer of Schools, and who is in a position to offer assistance and sound advice to purchasers, to whom no charge is made.

Offices: 158-162 OXFORD ST., LONDON, W.1

Telegrams: "TUTORESS, PHONE, LONDON."

Telephone: MUSEUM 1136.

TEXT-BOOKS FOR JUNIOR AND SENIOR FORMS

PUBLISHED AT THE

University Tutorial Press.

MATHEMATICS AND MECHANICS.

Algebra, Junior. By A. G. CRACKNELL, M.A., B.Sc., and AUGUSTUS BARRACLOUGH, M.A. **3s. 6d.** With Answers, **4s.**
"Maintains the high standard of excellence we are accustomed to expect from so well known a source. The treatment of the graphic portion is particularly good."—*Journal of the Assistant Masters' Association.*

Algebra, School. By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **7s.**
"The author has brought the work into closer touch with intelligible calculations, and, at the same time, gives a clear account of the elements of algebraic theory."—*Schoolmaster.*

Algebra, School (Matriculation Edition). By A. G. CRACKNELL, M.A., B.Sc. With or without Answers. **5s. 6d.**
"As a school text-book this volume has much to recommend it, the examples and test-papers being carefully chosen."—*Mathematical Gazette.*

Arithmetic, The Tutorial. By W. P. WORKMAN, M.A., B.Sc., Head Master of Kingswood School, Bath. *Third Edition.* With or without Answers. **5s. 6d.**
"Destined to supersede all other secondary treatises on the subject."—*Westminster Review.*

Arithmetic, The Junior. By R. H. CHOPPE, B.A. With or without Answers. *Third Edition.* **3s. 6d.**
"No better arithmetic for school work has come into our hands."—*Educational News.*

Arithmetic, The School (Senior Local Edition). By W. P. WORKMAN, M.A., B.Sc. This edition of the *School Arithmetic* covers the Senior Locals Syllabus, and is amplified by a large selection of examples arranged in Graduated Examination Papers. **4s.**
"The book is of a very high order of merit, and provides a thorough course in Arithmetic."—*School World.*

Arithmetic, Rural. By A. G. RUSTON, B.A., B.Sc. **4s. 6d.**
"We believe the book will be found just what is required in schools of agriculture."—*Secondary Education.*

Book-keeping, Practical Lessons in. By T. C. JACKSON, B.A., LL.B. *Fourth Edition.* **4s. 6d.**
"A well-arranged and well-explained treatise."—*Educational Times.*

Geometry, Junior. By A. G. CRACKNELL, M.A., B.Sc. **3s. 6d.**
"A simple treatment of the elements of Geometry. A feature of the book is the number of questions which require a numerical answer, incorrect and careless work being thereby easily checked."—*Schoolmaster.*

Geometry, The School. By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. (New and enlarged edition.) **5s.**
"Combines the theoretical and practical in a most interesting manner, and shows on every page the skill and care with which the material has been put together."—*School World.*

School Geometry (Matriculation Edition). By W. P. WORKMAN, M.A., B.Sc., and A. G. CRACKNELL, M.A., B.Sc. **4s. 6d.**
Covers fully the syllabus for London University Matriculation.

Graphs, Matriculation. By C. H. FRENCH, M.A., and GEORGE OSBORN, M.A. **1s. 6d.**
"The explanations are remarkably clear."—*Secondary Education.*

Hydrostatics, Matriculation. By Dr. WM. BRIGGS and Professor G. H. BRYAN. *Second Edition.* **2s. 9d.**
"An excellent text-book."—*The Journal of Education.*

Mathematics for Technical Students, A First Course in. By P. J. HALER, B.Sc., A.M.I.Mech.E., A.I.E.E., and A. H. STUART, B.Sc., F.R.A.S. **2s.**
"The authors have succeeded in creating a 'workshop atmosphere' around this elementary course."—*Nature.*

Mechanics, Junior. By F. ROSENBERG, M.A., B.Sc. **3s. 6d.**

Mechanics, Matriculation. By Dr. WM. BRIGGS and Professor G. H. BRYAN. *Third Edition.* **4s. 6d.**
"A practical book for this subject. It will be found exceedingly useful."—*Educational News.*
"Affords beginners a thorough grounding in Dynamics and Statics."—*Knowledge.*

Trigonometry, Junior. By WM. BRIGGS, LL.D., M.A., B.Sc., F.R.A.S., and G. H. BRYAN, Sc.D., F.R.S. **3s. 6d.**
"The examples given are numerous in each chapter, the diagrams and the arrangement practical."—*Secondary Education.*

BOTANY, CHEMISTRY, PHYSICS, &c.

Botany, Junior. By FRANCIS CAVERS, D.Sc. **3s. 6d.**
"Dr. Cavers has achieved a useful little book."—*Journal of Botany.*
"Combines observational and experimental work with text-book instruction in a judicious fashion."—*Preparatory Schools Review.*

Botany, Senior. By FRANCIS CAVERS, D.Sc. **5s. 6d.**
"Admirably designed to portray the plant as a living entity, to indicate how structure is subservient to function, and to show what conditions and purpose underlie the manifold variations which plants assume."—*Nature.*

Chemistry, Junior. By R. H. ADIE, M.A., B.Sc. *Second Edition.* **3s. 6d.**
"A useful and practical course, constructed on thoroughly scientific principles."—*Oxford Magazine.*

Chemistry, Senior. By G. H. BAILEY, D.Sc., Ph.D., and H. W. BAUSOR, M.A. *Second Edition.* **5s. 6d.**
"The ground is well covered on experimental lines. There are questions to every chapter and a section on chemical calculations."—*Guardian.*

Chemistry, Senior Practical. By H. W. BAUSOR, M.A. **3s. 6d.** Including preparations, experiments on action of heat, quantitative and qualitative analysis.

Chemical Calculations. By H. W. BAUSOR, M.A. **2s. 9d.**
ADVANCED COURSE. **1s. 6d.**
"The calculations which are inseparable from Chemistry from its very beginnings are dealt with concisely, yet at sufficient length to make them clear to a young student."—*Knowledge.*

Heat, Junior. By JOHN SATTERLY, D.Sc., M.A. **2s. 9d.**
"A remarkably clear exposition of the main principles of the science, such as is required by elementary students."—*Secondary School Journal.*

Heat, Senior. By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. **4s.**
"The information is accurate and up to date."—*The Journal of Education.*

Hygiene, First Stage. By R. A. LYSTER, M.D., B.Ch., B.Sc. *Sixth Edition, Revised and Enlarged.* **3s. 6d.**
"A continuous and well-developed course of instruction in Hygiene. The facts are always reliable, the illustrations serviceable."—*Schoolmaster.*

Magnetism and Electricity, Junior. By R. H. JUDE, D.Sc., M.A., and JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**
"This little book makes a special point of fundamental principles, and is especially adapted to the needs of pupils making a start in the subject."—*Educational Times.*

Magnetism and Electricity, The School. By R. H. JUDE, D.Sc., M.A. **4s. 6d.**
"From first to last there is an originality of treatment which makes it interesting reading."—*Nature.*

Mechanics and Physics, (Mechanics, Hydrostatics, and Heat), An Introductory Course of. By W. M. HOOTON, M.A., M.Sc., F.I.C., and ALFRED MATHIAS. **2s.**
"An excellent introduction to the fundamental principles of Mechanics, Hydrostatics, and Heat."—*Educational News.*

Science, Junior Experimental (Physics and Chemistry). By W. M. HOOTON, M.A., M.Sc., F.I.C., Chemistry Master at Repton School. *Second Edition.* **3s. 6d.**
"The explanations are clear, and we can recommend the work heartily."—*Secondary Education.*

Sound and Light, Senior. By R. W. STEWART, D.Sc., and JOHN SATTERLY, D.Sc., M.A. **5s.**
"The treatment is lucid and concise, and thoroughly in accordance with the most recent methods of teaching elementary Physics."—*Nature.*

Sound and Light, Junior. By JOHN SATTERLY, D.Sc., M.A. **3s. 6d.**
"Reaches a high standard, with plenty of practical work."—*Guardian.*

For other announcements of the University Tutorial Press, see pp. 806, 839.

Complete Educational Catalogue, and Catalogue of Class Books for Secondary Schools, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

CONTENTS.

	PAGE
OCCASIONAL NOTES	789
THE REPORT OF THE CALCUTTA UNIVERSITY COM- MISSION	793
PERSONAL PARAGRAPHS	795
TOPICS AND EVENTS	796
PRIMARY SCHOOL NOTES	802
THE USE OF ARCHÆOLOGICAL AIDS IN SCHOOLS. BY S. E. WINBOLT	807
CORRESPONDENCE	809
An Experiment in Self-Government; Reconstruction in Music; The Secondary School Teachers' War Relief Fund; School Teachers' Superannuation Act; An Improvised Tap.	
FOREIGN AND DOMINION NOTES	811
UNIVERSITIES AND SCHOOLS	814
PRIZE COMPETITIONS	824
REVIEWS AND MINOR NOTICES	839
BOOKS OF THE MONTH	846
INDEX.	

OCCASIONAL NOTES.

Scholarships and Free Places. IT is good news that the Board of Education have set up a Departmental Committee to inquire into the working arrangements for the award of scholarships in secondary schools, and the provision of free places in these schools. When first the McKenna regulations were promulgated, there was no lack of Cassandras.

Some predicted financial ruin for those schools which had not the rates to fall back on. Others predicted a lowering of the intellectual standard. Others, again, predicted social cataclysm, and warned us against the dangers of an "intellectual proletariat." None of these things has happened, but it is time to take stock of the situation. Some seven years ago the annual report of the Board contained several interesting epitomes of opinion on the working of the free-place system up to that time. But results were not quite as uniformly favourable as those opinions represented. They vary considerably as between town and country, small town and large town, north and south. Further, it is clear that the present system is not adequate to the need. The promising girl or boy in a sparsely populated rural area still lacks a chance. It is clear that for this case a boarding school is the only effective chance, and this means a maintenance scholarship as well as free tuition.

Boarding Schools. THIS opens up the much bigger question of the boarding schools as a whole, and the possibility of finding for them some definite place in the national system. At present, the higher schools of this type stand apart, fed by special preparatory schools (for the most part private establishments), and differentiated in their curriculum from the other secondary schools of the country. This differentiation of type necessitated special treatment of their case in the Reports of the Prime Minister's two Committees on Science and Modern Studies. They

are, further, divorced socially from the general workaday life of the community. The great question is: Can these divisions be bridged over, and the public schools, with the other boarding schools which conform to their type, be brought into organic relation with the general system of the country based on the existing elementary schools? The contribution they make at present is a contribution of quality, and a conspicuous success in the organization and spirit of corporate life. It would be a great thing if they too, like the grammar schools, could be democratized. But it is one of the most difficult to solve of all problems in our educational world.

Education and Economy. OUR readers will have noticed the suggestions made in the Press and in the House of Commons that, in view of the necessity for every form of national economy, the Education Act of 1918, among other Acts, should be repealed. We are glad to observe that this bright idea has been dealt with faithfully by the Prime Minister in the Commons, and by the President of the Board of Education in an address to the London Teachers' Association. Some of us may have regretted that the Prime Minister, with humorous reference to the case of Scotland, should have placed the emphasis upon the material gain that is likely to accrue from a more thorough system of education. But, then, he was answering a specific argument, and the rest of his speech illustrated the truth that, under wise administration, material and spiritual gains will go hand in hand. Mr. Fisher declared that it would be fatal to the social development of the country if, in order to reduce national expenditure, we scrapped our educational and social reform schemes. It will be well to bear in mind Mr. Fisher's warning that education has never been a popular subject in this country, for that is a reflection, not only upon public opinion, but also upon the sort of education that has been offered. Let the Act be wisely administered, and we are convinced that the better mind of all classes will come round to the view expressed by Mr. Fisher on a memorable occasion, that the question is not whether we can afford to have better education, but whether we can afford not to have it.

The Rush for Education. THE pressman, on the way to his work in Fleet Street, has noticed that the erstwhile Eagle Hut, in the Strand, has become a classroom for the students of King's College, and, having made a paragraph, he has sent it round the Press. But it is not only King's College that cannot find room for its students within its walls; the Imperial College, at South Kensington, has refused more students than it has admitted, simply for lack of space; and the tale is the same of every college and polytechnic throughout London, and, we believe, throughout the provinces, too. After all, this is not surprising; students are desirous of returning to the work they left at the bidding of the Conscription Act; whereas, the normal number of schoolboys reaching University age is no fewer than in previous years. Thus the colleges find it difficult to make room for both the old and the new students. The same cause makes the private tutor busier than he has ever been before, especially as many establishments were closed during the war for lack of pupils, and have not reopened. But what is more surprising is that preparatory and public schools are in the same state

of congestion. The number of boys cannot be greater this year than during any year of the last decade, for the birth-rate is falling. If certain people have enriched themselves by the war, and desire a better education for their sons, others must have become poorer and must be content with cheaper schools. So one would think that a rough balance would be struck. But we hear of parents unable to secure a place for their sons in the better preparatory schools—where fees are higher than ever—not next year only, but even in 1921 or 1922. The same tale is told of the public schools, which have a difficulty in reserving places for the sons of their Old Boys and of those who have fallen in the war. The explanation of this crush is no doubt simple, but for the moment it escapes us.

Physical Education. IN a letter to a recent number of the *Times*, a body of distinguished members of the medical profession direct attention to the need for more adequate physical education of our population. To deal with the actual ailments of the individual, while neglecting the means of securing ordinary fitness which might prevent the onset of many of the conditions, is clearly not enough. A complete system of physical education—æsthetic, recreational, and remedial—is a necessary part of any organization for national health. The signatories of the letter suggest the establishment of a new department of the Ministry of Health, to act in co-operation with local voluntary agencies. We cannot but wonder if they have overlooked the fact that all their postulates are met in the Education Act of 1918, which empowers competent Local Authorities to provide any necessary means for physical and social training for persons of any age who attend any educational institution either by day or in the evening. The phrasing of the Act is so drawn that any institution for physical education would come within its range. The funds are therefore available. An adequate advisory staff exists, moreover, in the special department of the Board of Education, which, already strong, has, we understand, been strengthened specially to meet the new conditions, and in the Inspectorate of the Local Education Authorities. Many voluntary associations which already exist are helped to some extent by Local Authorities, and this help could be extended. All that the writers to our contemporary demand can be got by asking the Board of Education to see that, in submitting schemes under the Act of 1918, Local Authorities insert the necessary provision for grounds, gymnasia, and personnel. Physical education is so integral a part of the curriculum that grave difficulties would arise if it were dealt with by another Ministry, and at the best a system of overlapping would arise which it is the aim of the Ministry of Health to avoid. While the proposal to improve physical education should meet with universal support, the central authority should be that empowered to deal with education in general, which already possesses the necessary statutory powers.

The Oxford Training Delegation. IN order to meet the new situation created by the Act of 1918, Oxford University is reorganizing its training work. The old delegacies for the separate training of elementary- and of secondary-school teachers have been abolished, and a new department, with a new officer at its head, the "Director of Training," who is responsible for the whole of the work, has been set up.

One of the main purposes of the new department will be to train teachers for the largely increased number of children who, when the new Act is in full working, will be receiving secondary education in one type of school or another, in the higher standards of elementary schools, in central schools, in county or municipal secondary schools, and in continuation schools. Work of this kind calls for a new type of training, and for men and women who are not merely efficient class teachers, but have a clear grasp of ends as well as means, and have studied the social conditions of the children whom they are to educate. The University is reorganizing its work to meet these needs; at the same time the work of training teachers for the more advanced secondary schools and for the "public schools" will be maintained and developed. It is hoped to utilize to a greater extent the abundant teaching resources which the University affords, and to bring into line institutions which hitherto have had little connexion with the work; above all, to win a larger measure of co-operation from the secondary schools both in and out of Oxford, especially from the great public schools. Women as well as men are admitted to all courses. It is anticipated that the grants which the Board of Education now offers, throughout the whole of their University course, to students who undertake to teach in "approved" schools, will attract many students for whom a University career has hitherto been financially impossible.

Economic History in School Examinations. THE Delegacy which controls the Oxford Local Examinations has been making a drastic revision of its syllabuses. Of late years it has tried a number of interesting experiments, with the view of encouraging the teaching of new and important subjects in schools. Some of these experiments have justified themselves, and the new subjects have established their position. European history and colonial history, for example, have come to stay; others, however, have failed to secure a foothold, and, consequently, "unless the number of candidates materially increases," they will be discontinued after 1921 or 1922. Among these threatened subjects we much regret to see Economic History. It is to disappear from the Junior Syllabus in 1921 and from the Senior in 1922. Its elimination from the former may perhaps be contemplated with equanimity; it is probably well that young boys in secondary schools should concentrate their energies upon gaining a mastery of the outlines of Political History; but it is in the highest degree important that, in senior classes in secondary schools, in continuation schools, in adult reading circles, and in all places where mature minds are trained, Economic History should be seriously and scientifically studied.

The Teaching of Economic History. THE problems of the present day are so largely economic, their roots lie so deep in the historic past, there is so much danger lest they should be mis-handled by fanatics ignorant of their antecedents, that there is urgent need that the study of the subject should be widely extended. A few years ago it might have been objected that there was a scarcity of good textbooks, but that objection can no longer be urged. The manuals of Cunningham, Meredith, Townsend Warner, Lipson, Cressy, Bradshaw, and others supply in ample variety all that can be desired. There

may still be a deficiency of teachers, but, if that is so, it is discreditable to the profession. Improved status and growing emoluments make an imperative demand for an increasing efficiency. The subject of Economic History has in too many places got into bad hands. It has got into the hands of political or anti-political agitators, who exploit it for sectional and sinister ends. The best corrective to the dangerous misuse of it is that it should be soundly taught in schools and colleges. Hence we sincerely hope that the warning issued by the Delegacy may be sufficient to bring in recruits, and so to obviate the necessity for removing the subject from the examination syllabus.

THE Treasury have recently defined the kinds of teaching service which will constitute "qualifying" service under the Superannuation Act. They have

Qualifying Service.

attempted to solve an obvious difficulty, so far as "independent" secondary schools are concerned, by accepting service in schools whose head masters or head mistresses are members of their respective associations. As these schools include those represented on the Conference of Catholic Colleges or Schools and the Association of Preparatory Schools, together with schools recognized for the purposes of Column B of the old register, and by the present Teachers Registration Council, this list is fairly comprehensive and satisfactory—though it is certainly quaint that the value of a teacher's service may depend upon whether his Head is a member of the Association to which he ought to belong. These regulations refer to time prior to April 1 last, and mainly affect secondary teachers. The clauses which concern primary teachers are also fairly comprehensive, and will probably be considered satisfactory as a whole. Service in our Colonies, Dependencies, and in India will be "qualifying" if in schools maintained, aided, or inspected by the Government, a quite reasonable proviso. The clause which formally states that service in schools in receipt of grants from the Government in Scotland and Ireland may count as "qualifying" only will remind teachers of one of the more glaring injustices under the Act. State-aid is the main qualification for pension purposes; yet service in schools in Scotland and Ireland which receive Government grant is not pensionable, even though the teachers have been teaching in England, often for years. It must be remembered that all these regulations refer to teaching service only. Much non-teaching service will, no doubt, also count as "qualifying," but no decision as to this has yet been reached.

SCHOOL textbooks of any period constitute a faithful record of the existing school conditions. Lilly's "Grammar" portrays the sixteenth century Grammar School. Cocker's "Arithmetic" gives a glimpse of the School of the seventeenth century. The textbooks in use in elementary schools twenty years ago bear testimony to the pernicious influence of the early Codes. No textbook can be pronounced absolutely good. It cannot be so judged without reference to the personal equation of the teacher. Any help that is given in the selection of textbooks, therefore, must leave considerable margin for choice. On the other hand, many textbooks can, without scruple or hesitation, be pronounced absolutely bad. The way to improvement is by way of the elimination of the unfit rather than by way of any attempt to set up

an arbitrary and uniform standard. In choosing textbooks teachers are largely at the mercy of the persuasive influence of publishers, exercised through catalogues or book agents. Some textbooks, on the strength of a traditional reputation, contrive to reappear in successive editions long after they have outlived their usefulness. In other cases a natural conservatism makes a teacher unwilling to upset established routine and swell the school estimates by a change of textbook. Education Authorities and Governing Bodies are not guiltless here. There is no economy so extravagant as the retention of a textbook which is out of date although it may not be worn out.

THE Kent Education Committee are attacking this problem of selecting suitable textbooks with vigour and determination. After full consultation with teachers

Choice of Textbooks.

and other experts, an Official Requisition Schedule has been prepared and will shortly be issued, covering not only books, but stationery, material, and other apparatus for school use. The schedule, which will, of course, be subject to periodic revision, is catholic in scope and allows a wide variety of choice. There is an *index expurgatorius*, but this is not for publication. On the other hand, the inclusion of any book or piece of apparatus is, or should be, a certain guarantee of its usefulness for teaching purposes. The schedule should be of great assistance to teachers, particularly to those in small and remote country schools. A room at the Central Office will be supplied with samples of the textbooks and other material included in the schedule. There will be a large reading room comfortably fitted up, and an assistant in charge who will be able to answer inquiries and to guide teachers on their voyage of discovery. The Committee have agreed to pay the travelling expenses which any head teacher incurs in paying an annual visit to the educational Mecca at Maidstone. The Kent plan seems admirably adapted to meet the difficulty to which attention has been called recently, with only too much reason, by the Minister of Education.

FREE secondary education in Bradford came in the end like a bolt from the blue. Before the War the question had been discussed and abandoned on the

Free Secondary Education in Bradford.

ground that the fees were so low, and scholarships—about 75 per cent.—so numerous, that for all practical purposes free secondary education existed in Bradford. This year it was reserved, however, for an enthusiastic "Young Liberal" chairman to make the ideal a reality. The decision was arrived at last June, and came into operation in September. How was the suddenly increased demand upon an already fully taxed accommodation of 3,164 to be dealt with? The Director of Education held consultations with the head teachers, and the possibilities of the eight municipal secondary schools were closely overhauled. Army huts bought for other purposes were diverted to this new need, and the Works Department at once got to work. Classroom accommodation was ultimately increased to 3,800. The usual annual admission to these schools of 685 was increased to 1,283. The number of scholarships awarded was increased from 823 in 1918 to 1,359. Further laboratory accommodation was extemporized, and some thirty-one additional teachers appointed. The staffing difficulty was less than it might have been, inasmuch as several

teachers were available who had been doing duty in the absence of many of the regular staff with the Army. Even after all this, there were still many unsatisfied claimants for admission to the secondary schools, and for these central classes will be provided: one in a newly purchased denominational secondary school, one in an emptied elementary school, and two others in selected elementary schools, where sufficient accommodation exists. A still larger extension of accommodation must be accomplished by September 1920.

Salaries in Reformatory and Industrial Schools.

THE Committee appointed by the Home Office to report upon the salaries and conditions of service in these schools state that they regard them as being primarily educational establishments. The revelations contained in their report show clearly that, whatever other purpose they may have served in the past, educational they certainly were *not*.

In the first place, the staffs themselves have often been chosen chiefly "with a view to securing a maximum of production": yet even the making of boots, uniforms, and underclothing does not appear to have made the children into skilled workers—indeed, the workshop classes have been far too large to allow of more than a pretence of education. In addition to some thirty hours' teaching per week, the staffs have been required to put in often more than thirty more hours of more or less "exacting duties." Up to the age of fourteen the children have been only "half-timers," and even this teaching has been given before breakfast and after supper; above that age schoolroom instruction has usually been reduced to about three hours per week! Finally, the salaries paid have been so poor that the more capable instructors have refused to remain in institutions where, moreover, the residential accommodation was disgracefully inadequate, and from which they were in many cases subject to summary dismissal without right of appeal. The recommendations of the Committee are upon sound lines, and, briefly, amount to the placing of the teaching staffs upon a similar footing as regards salary and conditions of service to those enjoyed by elementary-school teachers in ordinary schools under Local Education Authorities. Mr. Shortt has stated in the House of Commons that he is anxious to give effect to the Committee's recommendations as early as possible. It is impossible to discuss here the position which such schools should occupy in our social system; but that their continuance on present lines is little less than a scandal the report makes abundantly clear.

Lancashire Continuation Schools.

THE County of Lancashire has decided to prepare an outline survey of the position regarding day continuation schools in autonomous areas, taking into consideration the number of students to be dealt with, the chief local employments, the accommodation required, and the possibility of securing teachers. It is also proposed to invite the suggestions of local Committees as to suitable localities in which there appears to be a prospect of establishing voluntary day continuation schools prior to the "appointed day." Schools of an experimental character have already been established in certain parts of the county, and the Lancashire Committee is well advised in concluding that it is only by experiment on a variety of lines that sufficient knowledge can be gained to inaugurate an efficient system for the

county as soon as the "appointed day" is fixed by the Board of Education. At the present moment it seems as though the dawn of the "appointed day" will be indefinitely deferred.

Lancashire Proposals.

THE Clerk to the Lancashire County Council has anticipated legislation, and, as the result of a conference between the members of the Agricultural Executive Committee and those chiefly concerned in agricultural education, appears to have evolved order from what might have been chaos. It has been agreed to appoint an executive officer to be the head expert official of the new County Agricultural Committee, and, in addition, a Secretary for Agricultural Education, who, under the Director of Education, will be responsible for the work of the Agricultural Sub-Committee of the county. Lancashire, therefore, appears to have decided that the educational interests of agriculture are not to be severed from the general educational problem.

Medical Inspection.

THERE has always been a danger that the School Medical Service might be concerned chiefly with routine inspection and the compilation of statistics. If it is to be really effective, to be concerned with the physical care and development of children as intimately as teachers are concerned with their mental progress, expenditure on the service must not be stinted. The Stafford Education Committee have adopted a scheme which should prove of considerable value. It aims at combining the work of school medical inspection and treatment with Health Visiting and Infant Welfare work. The county elementary area has been provisionally divided into fifteen districts, each containing a population of approximately five thousand school children. To each of these fifteen districts it is proposed to allot an assistant medical inspector, and when she becomes familiar with her duties it is expected that she will find time to undertake the charge of welfare centres as these materialize. It is a step in the right direction.

Agriculture.

ONE of the many administrative by-products of the war is the Agricultural Executive Committee, the descendant of the War Agricultural Executive Committee, originally constituted by the County Council, and subsequently invested with unlimited powers to "kindle and restrain" those who practise agriculture. Under present conditions, Agricultural Executive Committees derive their resources from, and are responsible only to, the Board of Agriculture and Fisheries. Their functions, except in so far as they may be required to demobilize horses and tractors and adjust claims for compensation, are not clearly defined, and it would be in the interests of national economy if they ceased to exist. County Councils have statutory Committees for Allotments and Small Holdings, Executive Committees dealing with diseases of animals and other matters affecting agriculture, and also the recently constituted Agricultural Education Committees. Agriculture is an industry of primary importance, but its adherents may well take alarm if its fortunes are to be regulated by the activities of so many committees. For this reason, no doubt, the Land Settlement (Facilities) Bill proposed the establishment of County Agricultural Committees, and a similar co-ordinating provision is made in the Board of Agri-

culture and Fisheries Bill just presented to Parliament. Sir A. Griffith-Boscawen said that the Government "aimed at sweeping up all administration and work connected with agriculture." It is not clear whether agricultural education is to be included in the process.

THE REPORT OF THE CALCUTTA UNIVERSITY COMMISSION.

THERE is evidence, internal evidence on almost every page, that the Calcutta University Commission's report was inspired and written on the heights: on the physical heights over which Kanchenjunga and his brother giants brood probably, certainly on the heights of educational thought. Reports on education are not usually regarded as recreative reading, but the student of education who opens any one of the five substantial volumes which have now come to England from India will find himself amply rewarded. He will be surprised and delighted by the wealth of sound doctrine, expressed often in telling aphorisms, which these volumes contain. If education is a dull subject, it does not appear so when treated with the philosophic breadth of vision, the human sympathy, the just perception of the close connexion between principles and practice, and, wherever possible (and sometimes where antecedently it would have seemed not possible), the literary charm, which chapter after chapter reveals. There are great documents pertaining to the history of Indian education, admirable surveys and summaries, official and non-official. There is none great and admirable as this is: at once so ample, so comprehensive, so sympathetic, so appreciative of what has been excellent in past purposes and achievements, so convincing in its exhibition of existing shortcomings, so persuasive in its suggestion of the better that might be. "The problem before us is as inspiring as it is complex and difficult." That is the note on which the study of the problem opens. "The growing demand of the people of Bengal for educational facilities is one of the most impressive features of our age. It is altogether healthy and admirable." That is the spirit in which the task as a whole is approached. And it is a new spirit. "The flood of candidates for University training has put so heavy a strain upon the University and its colleges as to lead almost to a breakdown. And if justice is to be done to a great opportunity, and the eagerness of young Bengalis for academic training is to be made as advantageous to their country as it ought to be, it has become manifest that bold and drastic changes and improvements in the system are necessary." "Convinced that nothing short of a comprehensive reconstruction of the University system will meet the needs of the time, we shall propose . . . a new departure in secondary and higher education in Bengal. Educational reform on a bold and generous plan may save Bengal from the loss and danger which threaten a country when the training of its educated classes has got out of gear with the economic needs of the nation." This is how the Commission envisage their problem and seek a path to its solution. It may be affirmed with confidence that whatever the practical outcome of the Sadler Commission of 1917, their report makes an epoch in the history of Indian education from the attitude of mind in which their task has been approached, from the fullness of experience and knowledge which has been brought to bear upon it, from the remarkable completeness of the survey on which their conclusions are founded, and, above all, from the spirit of wise sympathy and helpfulness in which their recommendations are made.

The immediate occasion of the appointment of the Commission was the difficulty experienced in making adequate provision for "post-graduate" study in Calcutta—that is, for

the M.A. and M.Sc. courses framed as a result of the Universities Act of 1904. This difficulty by the year 1913 had become acute, owing mainly to the number of graduates seeking the qualification of the higher degree in Arts. But the causes which made it advisable in 1917 once more to have recourse to a "Commission" were wider and deeper. They all turned ultimately on that eager pressure on the colleges, the disorganizing effect of which the report recognizes, while analysing its underlying causes with sympathy. The improvements in the quality of University education which the reforms of 1904-6 sought to introduce depended for their efficacy on a careful moderation of numbers, or rather on the maintenance of a balance between students and teaching power, including in the latter suitable buildings and equipment. The pressure on the colleges outran the resources for expansion. The numbers seeking education could not be received without a relaxing of the safeguards which the reforms of 1904-6 had implied. The result was colleges with between 1,500 and 2,000 undergraduates, and over a thousand graduates in "University classes"—without adequate provision in the one case of the requisites of a collegiate society, in the other of higher study.

The subject originally proposed for inquiry was simply Calcutta University—"its condition and prospects," but in regard to this the terms of reference were very wide, and the Commission are expressly empowered "to recommend any changes of constitution, administration, and educational policy which may appear desirable." As soon as they entered upon their labours, the Commission found, like so many others who have given serious attention to the subject, that the consideration of University education in Bengal was inseparable from a consideration of the education given in the secondary schools. Accordingly their survey is extended equally to secondary education, and the report offers the great advantage of presenting this vast problem of higher education as a whole. Three of the five volumes are given to an "analysis of existing conditions" as illuminating as it is exhaustive. The other two contain a reasoned exposition of the recommendations. Chapters in both parts deal separately with the various aspects and divisions of the subject: attention is focussed on two main themes, the problem of the secondary schools and the problem of the University. For each of these the Commission put forward a bold and comprehensive scheme of reconstruction—of reconstruction so thoroughgoing as to constitute, as they explain, "a new departure."

This new departure for the University consists in the constitution of a centralized teaching University for Calcutta by drawing into closer association with the University, and with each other, the Calcutta colleges capable of reaching the academic standards required, while the colleges outside the city, too far from the centre of University life to share its common activities, though not completely severed from the University, are placed under the superintendence of a separate Board. "The University system of Bengal," say the Commission in their summary, "is in our judgment defective in almost every aspect." They see no hope of realizing a University suited to the needs of the times, while it is made up of a great number of affiliated colleges, mostly separated from each other by great distances, and all organized as self-contained teaching institutions. A "new synthesis" is required. For the outlying colleges a distinct organization is proposed under a Board of Mofussil Colleges. The best of the Calcutta colleges will form the constituent colleges of a teaching University. They are to preserve their individuality, and within the University will develop to the full their own social life, but they must no longer aim at being "virtually self-contained and self-dependent"; instead of this they "must strive after the far higher ideal of being free co-operating partners in a great enterprise."

For the administration of the University thus reconstructed the Commission propose "a complete departure from the system of University government which has been traditional in India since 1857." Senate and Syndicate disappear, and, for the future, the management of the affairs of the University is to be apportioned among three bodies, known respectively

as the "Court," the "Executive Council," and the "Academic Council." This division of powers is based on a reasoned exposition (in Vol. III) of the essential "organs" of University government. The first is a large body to keep the University in touch with public opinion and alive to the varied requirements of the community. It must represent all interests, and would therefore in Bengal need to be a very large body; the Commission suggest not less than four or five hundred members. The Court would have to do with fundamental legislation, and would exercise a distant supervision over University finance. The second is a small body of seven-teen for practical business management, with large powers of control over finance, and, through finance, over University policy in a broad sense. The third, the Academic Council, is to be a body of moderate size (eighty to a hundred members are suggested) composed entirely of University teachers. It is to have full responsible control of all interests purely academic, and especially of the teaching of the University. This is the innovation to which the Commission attach the greatest importance. Of the Academic Council they say: "Here is the real heart of the University. The other elements may be and have been dispensed with, though not without loss; this cannot be dispensed with without sacrificing the essential character of a University."

The duration of the period of study for the Bachelor's degree is to be three years. The Commission lay great stress on the marked differentiation of Honours courses from Pass, in order to assure opportunities of suitable training to abler students. This, which has often before been advocated, would make an important change; for at present in Calcutta University Honours candidates are weighted with the necessity of attending all Pass lectures in their subjects: Honours lectures are additional. But the greatest change which the Commission propose in respect of University studies is that they should begin at the end of what are now the two first years of the degree course, that is at the stage marked by the Intermediate Examination of the University. This is an essential factor in the whole scheme of reconstruction: for it at once lifts the plane of University study and relieves the colleges doing University work of the thousands of students in intermediate classes. It has often been pointed out that the studies of these two years by their character and by the age of those who take them belong more properly to school education. This view is now ratified by the deliberate judgment of the Commission, and they propose to make it effective by expressly organizing these two years as the culmination of a complete school course and advancing the commencement of the University course to a point two years beyond the present Matriculation Examination. This brings us to the secondary schools.

At the present time there are seven hundred schools linked to Calcutta University by "recognition." Recognition entitles a school to present candidates for the matriculation examination. The question whether the University should continue to be the recognizing authority was referred to the Commission. The report passes the secondary schools in review with the same thoroughness as the University, and comes to the conclusion that the inefficiency of secondary school education as a whole in Bengal is nothing short of calamitous. Apart from the wretched equipment of many schools owing to poverty of resources, the very conception of the true function of the secondary school is disastrously obscured by the complete subordination of school organization to the Matriculation Examination, to the exclusion of all other aims and ideals. "Secondary education in Bengal is preparing candidates, not making men." "It is on the weakness, and more than the weakness, on the deadening ineffectiveness and intellectual sleepiness of the high schools that the critic would lay his finger, if asked to point to the capital defect in the higher education." "The root of the matter lies in the reform of secondary education."* The remedial measures advocated turn on the setting up of a new "authority," to be known as

the "Board of Secondary and Intermediate Education." This Board, consisting of from fifteen to eighteen members, seven of whom would directly represent the Universities (Calcutta and Dacca), is to have full jurisdiction, not only over all the existing high schools (thus taking over responsibilities at present awkwardly divided between the University and the Government Education Department), but also over the stage of education represented by the two first years of the present University course (normal age sixteen to eighteen). For the work of these two years special institutions called Intermediate Colleges are to be brought into being; but the Commission wisely also contemplate the possibility of uniting them to high schools suitably equipped. The Board would control the whole of this enlarged secondary education, arrange the courses of study and manage two public examinations which are to take the place of the present Matriculation and Intermediate Examinations. It would administer at its discretion the whole of the funds to be assigned by Government for secondary (and intermediate) education. It is specially intended that there shall be courses of study at the intermediate colleges planned to lead to practical careers as well as to the University, and that these institutions should make an important contribution to the training of teachers.

The main proposals of the Commission are boldly conceived, are planned on a large and comprehensive scale, and worked out with minute care. The Commission perceive—and this is one of the supreme merits of their work—that their proposals cannot be carried out with any hope of success, unless they have the support of educational opinion in Bengal. It is more than acquiescence that is wanted, more even than bare approval: "A wave of public opinion supporting the action of a new representative central authority can alone raise the present system to a new level of usefulness and open out new educational opportunities." The potentiality of such support the Commission think they discern. "The belief that education can give new life to Bengal grows apace." "It is the belief in education for its own sake, a belief which, though often indiscriminating, is ardent and sincere, that gives its chief significance to the movement now spreading in Bengal." "If rightly directed . . . the forces which are at work in the new movement are powerful enough to transform education in Bengal and to make every school and college better than it has been." This is the Commission's confession of faith. In fact, the whole report is an appeal to enlightened opinion in Bengal to rally to the support of a great public effort to raise the level of higher education.

The Commission's arguments and conclusions, while faithfully adjusted throughout to whatever experience has taught of the conditions of the best in education, are in every case based on a careful sifting of the replies of the correspondents who responded to the *questionnaire* issued by the Commission on arrival in Calcutta. The questions (twenty-three in number with frequent subdivisions) were sent to 671 persons: replies were received from 412. The report is therefore an invaluable storehouse of opinion, and mainly Indian opinion, on the questions discussed. It is more than that. To use once more the words of the report: "We hope that what our correspondents have written may prove to be the beginning of a new movement of educational opinion in the Presidency. Their replies record the thoughts and feelings of the educated classes in the community upon a question of supreme importance at a turning point in the history of India and of the Empire."

ASSOCIATION OF ASSISTANT MASTERS.—The annual meetings of this Association will be held at the London Day Training College, Southampton Row, W.C.1, on January 1, 2, and 3, 1920. The Council will meet on all three days, and the general meeting of members will be held on January 2, when Mr. Fisher will deliver an address. The annual dinner will be held at the Holborn Restaurant on January 2. There will be an exhibition of books and apparatus.

* Dr. Brajendranath Seal.

PERSONAL PARAGRAPHS.

By the death of Mr. Arthur Ainger, M.V.O., at the age of seventy-eight years, a notable figure has been removed from Eton College. Son of the Rev. T. A. Ainger, Vicar of Hampstead, he went to Eton in 1853 as a King's Scholar, and left in 1860. He was Newcastle Select in 1859-60 and College Wall 1858-9, and went as a scholar to Trinity College, Cambridge, where he took a First in Classics. He returned to Eton in 1864 as an assistant master, and was a house master for many years, retiring in 1901. He was a successful and popular master in his younger days, but in later years he was better known as the Eton poet. Mr. Ainger had a facile and fertile pen. He was the author of the spirited and beautiful "Carmen Etonense," the Latin school song, as well as of the well known "Vale." Lately he published the popular "Eton Sixty Years Ago." Nobody knew Eton longer or better than Mr. Ainger; his whole life, indeed, was dedicated to the interests of the College. A sound and clear teacher and an elegant scholar, he preserved admirable and friendly discipline by means of a dry and ready irony, which was never harsh or unamiable, and his justice, courtesy, and unruffled good humour have endeared him to a generation of Etonians past and present.

* * *

THE sudden death of Miss Muriel Thompson, Vice-Principal of Cherwell Hall, Oxford, at the beginning of the autumn term, is an irreparable loss to the college. Miss Thompson did brilliant work at the Manchester University. Her connexion with Cherwell Hall dates from 1906. She was successively student, assistant mistress at the Milham Ford School, and lecturer and bursar at Cherwell Hall. She was appointed Vice-Principal of Cherwell Hall in July last, to the great satisfaction of all who had witnessed the value of her work.

* * *

MR. J. A. L. ROBSON, who has recently retired from the position of Secretary for Higher Education under the Durham County Council, has held office under the Council for more than twenty-seven years. His previous experience included some seven years as managing secretary of the Keighley (Yorks) Technical Institute. The rapid development of the Institute—now famous throughout the country—was due largely to Mr. Robson's zeal and powers of organization. He was appointed Secretary of Technical Instruction in Durham in 1892. Under Mr. Robson's guidance, facilities for technical instruction were provided throughout the county, and when, under the Education Act of 1902, the Council became the Authority for elementary and all forms of education other than elementary, he was made Secretary for Higher Education. His career is, indeed, identified with the history of technical and secondary education in the county, and Durham has every reason to be proud of its educational position created under his organization.

* * *

THE growing interest taken by school teachers in public affairs is reflected in the election of Mr. J. T. Francombe as Lord Mayor of Bristol. Mr. Francombe is ex-head master of St. Mary Redcliffe Boys' School, Bristol. During his tenure at the school over ten thousand boys passed through his hands, and the Old Boys' Society is one of the oldest of its kind in connexion with an elementary school. Mr. Francombe has taken a prominent share in educational activities for many years, and since his retirement he has devoted himself to public work on the Education and other Committees of the Council.

* * *

MR. D. G. WILLIAMS has accepted the head mastership of the Crypt Grammar School, Gloucester, in succession to Dr. Crees, whose resignation was referred to in our last issue. Mr. Williams is an old pupil of Llandovery College, and a

classical scholar of Corpus Christi College, Oxford. He obtained First Class Lit. Hum., 1909, and for the last four years has been classical master at Bradford Grammar School.

* * *

MR. R. SOMERVELL, assistant master at Harrow School since 1887, who succeeded to the Large House, West Acre, on the retirement of the late Mr. J. Stogdon, in 1904, and has held the appointment of Bursar at Harrow School since 1888, is retiring from the latter position at the end of the term. He left his school house a few years ago and was succeeded by Mr. W. G. Young. Harrovians the world over will regret his retirement from a position in which he has earned the approbation of all. He was chairman of the military tribunal during the war, and has for many years taken an active interest in the public welfare of Harrow town.

* * *

THE REV. F. J. LEYS, who was recently elected Provost of Worcester College, Oxford, in succession to the late Dr. Daniel, was at one time an assistant master at Radley. He went up to Worcester from Sherborne School in 1883, and was placed in the First Class by the Classical Moderators in 1884 and in the Second Class in "Greats" in 1886. He received the Chancellor's Prize for Latin Verse in 1885, and, after service at Radley, returned to his college in 1889 as Lecturer in Classics, being afterwards appointed Fellow and Classical Tutor. He has been for some years one of the University representatives on the Oxford Town Council, and he is the author of many papers on educational subjects.

* * *

THE REV. H. J. CHAYTOR, Head Master of Plymouth College since 1908, has been elected Fellow, Dean, Chaplain, and Lecturer in Modern Languages at St. Catharine's College, Cambridge. Mr. Chaytor is an old pupil of Durham School, and graduated from All Souls College, Oxford, with Second Class Mods. 1891, and Third Class Lit. Hum. 1893. He also studied at Geneva University, and has had teaching experience at Stratford-on-Avon; Merchant Taylors, Crosby; and King Edward VII, Sheffield. He is the editor of many modern language texts, and has made considerable research in Provençal literature. During the War he acted as chaplain to the Third Division in France.

* * *

DR. W. P. MILNE, who was appointed Professor of Mathematics at Leeds University in September last, has been a mathematical master at Clifton College, Bristol, since 1907. An old pupil of Aberdeen Grammar School, he became a student of the University of St. Andrews and a scholar of Clare College, Cambridge. He was Fourth Wrangler in 1906 and obtained First Class in the Maths. Tripos, Part II (2nd Div.), in 1907. He is the author of many treatises and papers on mathematics, and has been a prominent member of the London Mathematical Association and of the Assistant Masters' Association.

* * *

MR. J. H. DAVIES, the new Principal of the University College of Wales, Aberystwyth, is well known in Welsh educational life, and is regarded as the greatest living authority on Welsh bibliography. He has been the Registrar of the College for over fourteen years, and during the long illness of the late Principal Roberts he was responsible for a large share of the government of the college. He took his M.A. degree at Lincoln College, Oxford, with honours in jurisprudence, and was formerly a barrister on the South Wales circuit.

* * *

WEST DOWNS Preparatory School, Winchester, has suffered a grievous loss in the death of its head master, Mr. Lionel Helbert. A scholar of Winchester College and Oriel College, Oxford, he obtained Second Class Classical Moderations in 1891. On leaving Oxford, he was for some years a clerk in

the House of Commons, where his quick interest, humour, and good fellowship made him widely popular. He occupied his spare time in teaching, and, when the opportunity opened, it was plain that he was a born schoolmaster. In his school work at West Downs he inspired confidence by his courage and ability. He made the school—or, rather the boys in the school—the purpose of his life, and spared no effort to improve conditions for all connected with the institution.

TOPICS AND EVENTS.

SCIENCE MASTERS' ASSOCIATION.—The Science Masters' Association will hold their annual meeting at the London Day Training College on January 6 and 7. On January 6, at 11 a.m., the President's address will be delivered by Mr. W. W. Vaughan, Master of Wellington College. This will be followed by the business meeting. At 3 p.m. discussions will be opened by Mr. W. J. Gale on "The Teaching of Organic Chemistry," and by Mr. F. W. Hodges on "Biology in the School Syllabus." At 5.15 p.m. a discussion on laboratory management has been arranged, when Mr. H. Preston will speak on the cost of apparatus, and a paper will be contributed on the training of assistants. On January 7, at 10.30 a.m., papers will be read on "Science in the Early Stages"; Major V. S. Bryant, on "Science at the Preparatory School and in the Common Entrance and Entrance Scholarship Examinations of Public Schools"; and the Rev. C. J. S. O'Grady on "Teaching Junior Forms." At 11.45 a.m., on the same day, Sir Richard Gregory and Mr. G. D. Dunkerley will speak on the divorce of laboratory and classroom courses.

NORTH OF ENGLAND CONFERENCE.—The North of England Education Conference will be held at Southport on January 9 and

10. Mr. Fisher, President of the Board of Education, will give the inaugural address. Sir Henry Hadow will read a paper on "The Education of Adults." Mr. J. M. McTavish, of the Workers' Educational Association, will open the discussion. Among other items we notice Dr. Cyril Norwood on "A Common Examination for School Leaving and Entrance to a University"; "Art—its Place in Education," Mr. R. A. Dawson (Manchester) and Prof. W. R. Lethaby; "Central Schools and Secondary Schools," Mr. C. W. Crook (Wood Green) and Mr. A. H. Whipple (Blackburn); "Modern Developments in Physical Education," Mr. H. M. Coulson (Southport); "Play Centres," Mr. J. W. Twidale (Liverpool); "Methods of Selection of Children for Further Education—(a) Educational Tests and Psychological Tests of Educational Ability and Vocational Aptitudes," Prof. Pear (Manchester); "(b) Examination Tests and other Methods," Mr. J. L. Paton (Manchester); "The Teaching of Music," Dr. Carroll (Manchester); "Music—Its Place in the Educational System," Mr. Percy Scholes; "Juvenile Employment," Mr. Spurley Hey (Manchester); "After-care," Miss Macadam; "The Teaching of History," Mr. F. S. Marvin; "The Teaching of Social Economics and Political Philosophy in Public Schools," Mr. D. C. Somervell; "Continuation Schools in Urban and Rural Areas," Major Ernest Gray (N.U.T.) and Mr. W. A. Brockington (Leicestershire).

FIFTY YEARS OF SCIENCE.—From its foundation in 1869, *Nature* has held a unique position among the scientific journals of the world. Week by week it has laid before its readers the latest results of research, abstracts of important papers, full reports of new books, and original articles by men eminent in the various departments of natural knowledge. It has also rendered incalculable services by keeping the claims of pure science insistently before a public always disposed to underrate its importance. For, as Sir Richard Gregory remarks, "the great advances in the industrial sciences of modern times, those which have raised the industrial and commercial life of the community, and so enormously increased its wealth, have had their origin in University laboratories and like places of what may be termed academic study." It was fitting that the completion of fifty years of such work should be marked by the issue, on

(Continued on page 798.)

HODDER AND STOUGHTON THE NEW TEACHING SERIES

THE NEW TEACHING SERIES STRIVES TO BUILD UP
THE NEW HUMANISM ON THE BASIS OF THE STUDENT'S
IMMEDIATE ECONOMIC INTERESTS AND ENVIRONMENT.

Professor JOHN ADAMS:

"Your Series *exactly* meets the needs of
the Educational situation just developing."

Citizenship. By F. R. WORTS, M.A. 4/6 net.

"A careful and valuable book . . . written by a skilled teacher of the subject . . . shows in very simple, clear English how our various institutions, local and central, came to be what they are, and shows what citizenship is, and the relation of the man or woman who votes on local or imperial questions to the complexities of government."

Times Educational Supplement.

"One of the most valuable and complete books on citizenship we have yet seen. . . ."

Schoolmaster.

Chemistry from the Industrial Standpoint. By P. C. L. THORNE, B.A. 4/6 net. Illustrated.

Modern Industrial History. By F. R. WORTS, M.A., Senior History Master, Bristol Grammar School. 4/6 net.

Professor J. J. FINDLAY:

"The series will certainly be of great value for many purposes, and especially for young persons who are studying with a view to their livelihood."

The Foundations of Engineering. By W. H. SPIKES, B.A. Illustrated. 4/6 net.

"The author introduces the student to the general principles underlying a science which is so wide in its scope that even a practical engineer can as a rule aspire to excellence in only one branch of the subject. It is part of the value of a work of this kind that the ordinary reader can follow the developments of engineering, and arrive at a clear understanding of the 'reasons why.' The book should be very useful also to those who are going through the 'shops.'" *Athenæum.*

Applied Botany. By G. S. M. ELLIS, B.A. 4/6 net. Illustrated.

The Natural Wealth of Britain: Its Origin and Exploitation. By S. J. DULY, B.A. 130 Illustrations. 6/- net.

Write for descriptive New Teaching Series pamphlet.

HODDER & STOUGHTON, 18 WARWICK SQUARE, E.C.4

H. G. WELLS'

Great New Work

THE

OUTLINE *of* HISTORY

THE WHOLE STORY
OF LIFE AND MANKIND

CLEAR—COMPACT—FULL AND COMPLETE

A brilliantly-written and inspiring view of the whole History of Life. A great and valuable Educational undertaking. Written by a writer who is also an experienced and skilful teacher, assisted by a group of our greatest living historians and scientific writers.

IT IS an exact, luminous, and concentrated Encyclopædia of the Past, with hundreds of Maps, Charts, and Illustrations of the most helpful and illuminating nature.

IT IS not a mere essay, but a clear and complete summary of the latest knowledge. IT IS the whole History of Life and Mankind fused into one epical narrative.

IT IS THE FIRST BOOK OF ITS KIND

THE OUTLINE OF HISTORY is an attempt to tell, truly and clearly, in one continuous narrative, the whole story of Life and Mankind, so far as it is known to-day. This universal history is at once something more and something less than the aggregate of the National histories to which we are accustomed. It has been written primarily to show that **history as one whole** is amenable to a more broad and comprehensive handling than is a history of special nations and periods.

Mr. Wells begins with the oldest of all human problems—the Origin of the World, the early Beginnings of Life, and the Ancestry of Man. Of all this it is now possible to tell a plain story. He proceeds to "outline" the history of mankind—the Rise and Fall of the Early Empires—the Rise of Christianity—the American Revolution—the French Revolution—the Adventure of Napoleon—the Story of the Great Powers down to the German Disaster.

EXPERTS COLLABORATE

Mr. Wells has had the assistance of various expert authorities, such as Sir E. Ray Lankester, Sir Harry Johnston, Professor Gilbert Murray, Mr. Ernest Barker, and others, for the purpose of obtaining accuracy in every detail.

600 Illustrations, Maps, Charts and Drawings
With Many Beautiful Plates Printed in Full Colours

To be published in about 20 Fortnightly Parts at 1/2 each

Ask your Newsagent to-day to deliver each part as published. Full prospectus post free from
GEORGE NEWNES, Ltd., 8-11, Southampton Street, Strand, London, W.C.2.

November 6, of a special Jubilee Number of *Nature*. In this number the scientific progress of the period is surveyed in a series of some forty striking articles by distinguished authorities: astronomy, biology, geology, medicine, physiology, chemistry, physics, and engineering, in their various aspects, come under review in turn. It is an impressive record of achievement which would have appeared incredible to men of science of half a century ago. Such a synopsis will be welcomed by all who are interested in scientific research, for it is a fascinating piece of history, as well as an authoritative summary of present-day views. It is to be hoped that teachers of science in schools will make use of the excellent material it affords for lessons. Nothing is more likely to stimulate the enthusiasm of young students than to learn from the investigator himself what are the problems at which he is actually working.

A NEW MONTHLY JOURNAL OF THE PROGRESS OF KNOWLEDGE.—A Conference was called last January by the joint invitation of the President of the Royal Society, the President of the British Academy, and others, to frame a scheme for a journal which should present in popular form the recent results of research in the chief subjects of knowledge. A Committee was appointed to frame a scheme and their report has been adopted. The name *Discovery* has been approved for the new journal and a Trust has been established for its maintenance. Capt. A. S. Russell, M.C., D.Sc., Reader-elect in Chemistry at Christ Church, Oxford, has been appointed Editor. The first number will be issued by Mr. John Murray, on January 15 next, at the price of sixpence. All the chief specialist associations have undertaken to supply, year by year, for the Editor's use, a list of contributors capable of representing different sides of their particular branch of knowledge. Among those Associations that have already pledged themselves to take part are the National Union of Teachers, the Co-operative Union, and the Associations of Head Masters and Head Mistresses. A prospectus will shortly be issued, but meanwhile orders for copies will be received through any bookseller or newsagent or from the publisher, Mr. John Murray, 50a Albemarle Street. The journal will at first contain about twenty-four pages of matter and will undertake in the course of the year to represent the progress of knowledge in all its chief branches.

NATIONAL COUNCIL FOR DOMESTIC STUDIES.—The National Council for Domestic Studies was founded in October, 1917, as a result of the reconstruction of an examining body known as the National Union for the Technical Education of Women in Domestic Subjects. A meeting held in October last was the first occasion on which the Council has met since its formation. The failure to meet before has been due to the hampering conditions produced by the war. The Council shares an office at 70 Hastings House, 10 Norfolk Street, Strand, London, W.C.2. The Education Sub-Committee have reported to the Council that reforms in the teaching of domestic subjects must be preceded by reform in the training of the teacher and that the present system of organization which isolates domestic subjects teachers in "centres," and withdraws a section of a class from ordinary school work for instruction in cookery, laundrywork, or housewifery, is responsible for much that is unsatisfactory in the present methods of teaching domestic subjects. Full particulars of the current work of the Council can be obtained from the honorary secretary at the above address.

THE INDUSTRIAL WELFARE SOCIETY.—The Industrial Welfare Society exists for the purpose of focussing and developing the many activities, industrial, educational, and recreational, indicated by the word "welfare." The society was formed originally for the purpose of dealing with industrial boys, but recently its scope has been enlarged in order to embrace all industrial workers. The object of the society is to retain for industry itself the responsibility for, and the direction of, industrial welfare work. The society can assist employers of labour—(1) by discussing with them schemes of welfare work applicable to their own particular works and circumstances, (2) by training and recommending suitable persons for positions as welfare supervisors, (3) by supplying welfare supervisors with information regarding various phases of welfare work. Membership consists of employers of labour and other interested persons, and the minimum annual subscription is five guineas. Further particulars may be obtained from the Director of the Society at Sanctuary House, Tothill Street, Westminster, S.W.1.

PENSIONS IN THE ISLE OF MAN.—The Board of Education
(Continued on page 802.)

UNIVERSITY OF LONDON PRESS

THE NEW REGIONAL GEOGRAPHIES

For Secondary and High Schools.

By **LEONARD BROOKS, M.A., F.R.G.S.**
Geography Master at the Wilham Ellis School.

Edited by **JAMES FAIRGRIEVE, M.A., F.R.G.S.**

- Book I. **The Americas** 3s. 6d.
Book II. **Asia and Australasia** 3s. 6d.
Book III. **Europe and Africa** 6s. 6d.

With specially prepared Maps and Illustrations.

Book IV. **A Senior School Geography** (In Preparation).

Ready 2s. 6d.

The British Isles with a large number of original Maps and Diagrams. Being part of Book III. and issued separately at the request of many teachers.

AN ECONOMIC GEOGRAPHY OF THE BRITISH EMPIRE

By **C. B. THURSTON, B.Sc.**
Geography Master at Kilburn Grammar School.

A complete survey of the geography and economic resources of the British Empire. The book is particularly suitable for the commercial classes of Secondary Schools and Colleges, and for Continuation Schools.

With many specially prepared Maps and Tables.

New Edition, 4s. 6d.

A SHORT HISTORY OF MODERN EUROPE

From the French Revolution to the Great War.

By **EUGENE L. HASLUCK, B.A.**

This volume sets forth in clear and interesting fashion the developments in European politics which have led to the outbreak of the Great War in 1914 and provides the necessary material for middle and senior forms taking a course in Modern European History, and a thoroughly sound explanation of the causes of the World War.

"A useful and clearly written introduction to the study of European history not by any means overburdened by facts."—*The Times*.

With many New Maps. Ready, 3s.

A MATRICULATION ENGLISH COURSE

By **B. J. SPARKS, B.A., B.Sc. Cloth, 3s.**

This book covers efficiently the whole of the ground in English Grammar and Composition for the London University Matriculation and Examinations of similar standard.

GEOGRAPHY AND WORLD POWER

By **JAMES FAIRGRIEVE, M.A., F.R.G.S.**

Lecturer at the London Day Training College.

The *Times* critic says: "It is a valuable review treating in a broad philosophic way the influence of physical facts upon history": while another reviewer states: "I have learnt more history from the book than I had ever learnt before, and it has enchanted me more than the most thrilling romance I have come across"; and, in the words of the *Glasgow Herald* reviewer, "One could not desire a more fascinating introduction to the study of world history than this masterly analysis."

With over 80 Original Sketch Maps and Diagrams.

New edition, thoroughly revised, with additional chapters and maps.

New Edition, 5s.

A SHORT HISTORY OF MODERN ENGLAND

From Tudor Times to the Present Day (1485-1914)

By **FREDERICK BRADSHAW, M.A. (Oxon.), D.Sc. (Lond.).**
Sometime Senior Hulse Scholar of Brasenose College, Oxford; Lecturer in Modern History at Armstrong College in the University of Durham.

With full-page Maps. Crown 8vo. viii + 390 pp. Price 3s.

THE STUDENT'S GUIDE

Making the Most of One's Mind.

By **JOHN ADAMS, M.A., B.Sc., LL.D.**

Professor of Education in University of London.

The *Times Educational Supplement*.—"Dr. Adams has written an admirable book, and a student may be regarded as fortunate who avails himself of its wisdom."

Fifth Impression. 4s. 6d. net. Postage 6d.

A SCHOOL CHEMISTRY

By **W. H. RATCLIFFE, B.Sc., F.C.S.**

Chemistry Master at Tenison Schools.

This book provides a two years' course in Chemistry as final preparation for the London University Matriculation and examinations of similar standard.

Part I, 3s. Part II, 1s. 6d.

WEATHER CHART EXERCISES

(British Isles and West of Europe)

By **L. M. ODELL, B.Sc.**

This book provides practical exercises in meteorology of the type required for London Matriculation and examinations of similar standard. Full page weather charts and squared paper for graphs are included, as well as valuable weather statistics, and tables for conversion of rainfall and pressure values from the old system to the new one recently adopted by the Meteorological Office.

Crown 4to. 32pp. 9d. net.

LONDON: UNIVERSITY OF LONDON PRESS, 18 Warwick Square, E.C.4.



THE ATHENÆUM

FRIDAYS

SIXPENCE

THE Athenæum has come to be regarded as the most scholarly of the Critical Journals. Since its foundation in 1828 it has had the advantage of the best literary talent of the day, most of the great literary names of the century having been associated with it.

In its present form, besides original work, it contains informed Reviews of all important English publications, an annotated list of New Books, a critical record of Foreign Literature, and regular articles on Science, Art, Music, and the Drama, thus providing an ordered survey of intellectual movements throughout the world.

The Athenæum is edited by Mr. John Middleton Murry, and during the present year has printed contributions from Conrad Aiken, Dr. Ernest Baker, Oscar Browning, Clive Bell, Edward J. Dent, T. S. Eliot, J. Fitzmaurice-Kelly, Robin Flower, E. M. Forster, Roger Fry, W. W. Gibson, Thomas Hardy, G. F. Hill, André l'Hôte, Aldous Huxley, Robert Lynd, Sylvia Lynd, R. R. Marett, Katherine Mansfield, Walter de la Mare, Vernon Rendall, Bertrand Russell, Guido Ruggiero, George Saintsbury, George Santayana, R. A. Scott-James, J. T. Sheppard, James Strachey, Lytton Strachey, Frank Swinnerton, J. W. N. Sullivan, H. M. Tomlinson, Paul Valery, Virginia Woolf, Leonard Woolf, and A. E. Zimmern.

We want you to become acquainted with The Athenæum, and, with that object in view, will you permit us to send you a **SPECIMEN COPY?**

One will be posted to you on receipt of a postcard addressed to

The Publication Dept.,
THE ATHENÆUM,
170 Fleet Street,
LONDON,
E.C. 4.

Postal Subscriptions: 6 Months, 14s. 1d.; 12 Months, 28s. 2d.; Foreign, 30s.

PATON'S LIST of SCHOOLS and TUTORS

An Aid to Parents in the Selection of Schools.

23rd ANNUAL EDITION NOW PREPARING.

EVERY YEAR THOUSANDS OF PARENTS CONSULT
THIS BOOK.

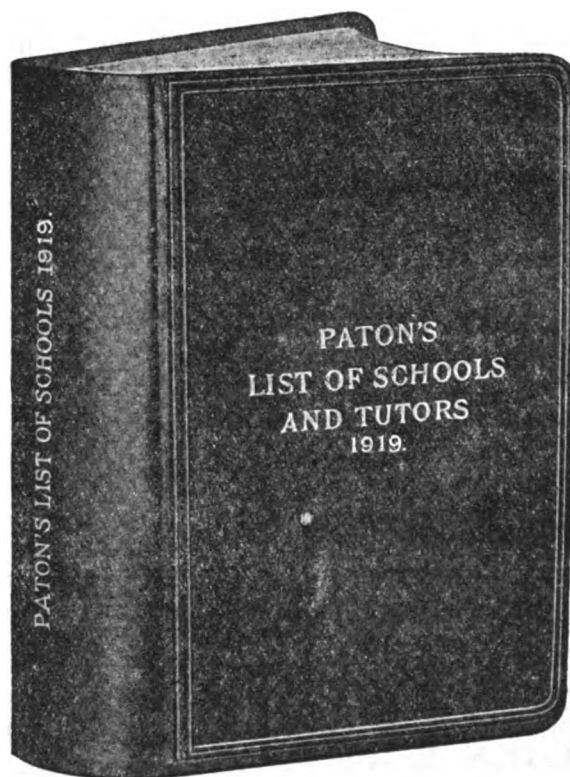
"I am glad to find I have got another pupil this term through the advertisement of the school in your book, so am glad I was persuaded to keep it in."

"Please insert my pages as usual. I believe I get more pupils from that than from any other source."

"I enclose a request to have my notice renewed. I would not for anything leave it off now."

"When I first came here I spent over £50 in six months advertising in the leading papers—result, **one** boy. Then I came under your Agency—result, a **steady stream** of boarders every term, more than filling up the vacancies caused by boys leaving. I have already had to open another dormitory, and am on the point of 'venturing' on another boarding house."

"I find it most useful to my patients when seeking information about sending their boys and girls away, and have kept a copy in my waiting-room for some years."



National Library of Ireland, Dublin.—"This important publication occupies a prominent place in our Reading Room, and is in frequent use."

"I have much pleasure in renewing the advertisement in your excellent Guide, and should like to take the opportunity to express to you my best thanks for the invaluable help of your Agency."

"I enclose order form, duly signed. . . . I am more than grateful for the excellent service your Agency does my school."

"I am returning the advertisement at once with a little addition. . . . We have this term **four** pupils introduced by you, and I am much obliged to you for your help. It makes all the difference in these difficult days whether one has a full school or not."

**Specimen Copy and full particulars sent free of charge to
Head Masters and Head Mistresses.**

J. & J. PATON, Educational Agents,
143 CANNON STREET, LONDON, E.C.4. Telephone: Central 5053.

"IT IS CLEAR

that a capable agent who has pursued his calling for years will have gathered, by visits, by personal interviews, and by correspondence, a globe of precepts, and that his profession of recommending schools is no idle pretence."—*The Journal of Education*, June, 1916.

This is the definition, by a competent judge, of what should constitute a
USEFUL SCHOLASTIC AGENT.

"Two years ago you sent me a pupil named ———. Through her parents I have had **four** good pupils this year from four different places, and through two of these I have **five** more coming this term: that is, ten pupils from paying **one** commission."

"I am pleased to tell you our numbers are quite full for next term, but we expect to have several vacancies for September. Thank you for all you have done to bring this satisfactory state of affairs to pass."

"I should like you to know that these pupils that you have recommended to me seem to be satisfactory in every way, and that you have my sincere thanks for the help you have given."

"I am grateful to you for sending me inquiries so consistently, and I have found your Agency most helpful in securing boarders."

"I have now seven boys who have been introduced to me through you, and I take this opportunity of thanking you, and hope that you will be able to send me others in the near future."

"The child is a most satisfactory pupil, and I am very much obliged to you for the introduction."

"You will remember advising me to send my daughter to ——— School. I feel it would be ungrateful not to write and tell you how thankful I am I took your advice. She came home looking the picture of health, and is as happy as the day is long."

"Owing to your splendid efforts my boarding accommodation is taxed to its uttermost, and I must reluctantly ask you to stop sending me notices for the time being."

If you have not yet made trial of our services, we shall be glad to hear from you, with particulars of your School.

J. & J. PATON, Educational Agents,

143 CANNON STREET, LONDON, E.C. 4. Telephone: Central 5053.

have decided that the provisions of the School Teachers (Superannuation) Act, 1918, shall be extended to the Isle of Man, subject to the following modifications. In the Act the expression "Government Department" shall include any employment the remuneration of which is paid by the Legislature or Government of the Isle of Man. In the definition of recognized service in the Act, references to the Council of Education of the Isle of Man shall be substituted for references to the Board. In the definition of recognized service, the conditions to be prescribed shall, as respects service in the Isle of Man, be conditions prescribed by the Council of Education of the Isle of Man. In the definition of grant-aided school, the word "Tynwald" shall, as respects schools in the Isle of Man, be substituted for the words "Parliament from or by the Board or from or by any Public Department whose place is being taken by the Board." The term "Public Elementary School" shall include any school recognized as a public elementary school under the law in force in the Isle of Man.

STAMMERING CHILDREN.—There are about 1,200 stammering children attending elementary schools in London. The London County Council, realizing that such children are handicapped in getting employment, have decided to organize special classes for them before they leave school. The classes will be started in different parts of London, and teachers, specially qualified for dealing with speech defects, will be appointed. The travelling expenses of children attending the classes will be paid by the Council. The children will receive about twenty lessons in speech training, and the Council hope that the worst defects of stammering, at least, will be remedied, if not cured, so that such children on leaving school may have equal chances in life with other children. It is found that stammering children include quite a large proportion of bright and imaginative children.

CONFERENCE OF EDUCATIONAL ASSOCIATIONS, 1920.—This Conference will be held at University College, Gower Street, W.C.1, from December 31 to January 10. It will be inaugurated by an address by Mr. Fisher, on "Our Ignorance," which promises to be as attractive as that of Mr. Fisher's address at last year's Conference. Thirty-six societies have already signified their intention of holding meetings, a considerable advance on last year's record. Among the Societies participating for the first time are two representative of music, one of the drama, and one of folk dancing. There are to be two joint conferences of all the participating associations on January 3 and 9. At the first the work of Continuation Schools will be discussed under the chairmanship of Sir W. Ashby, of Birmingham University. The speakers are to be Mr. Spurley Hey, of Manchester, Mr. Beresford Ingram (if possible), Miss Enright, principal of Selfridge's Continuation School, and Mr. Rokesby of Harrod's, Ltd. The subject of the second Conference is to be Adult Education. Canon Masterman will preside, and Mr. Tawney, Fellow of Balliol, will introduce the subject, followed by Mrs. Ensor, of the Educational Fraternity.

PRIMARY SCHOOL NOTES.

Additional Duties for Teachers.

THE various duties voluntarily undertaken by many teachers during the war show a tendency to persist, and in some districts a concerted attempt is being made by teachers to secure pre-war conditions of school service. There is little doubt that the organizing ability of school masters and mistresses has proved valuable to many causes, and their services have been none the less appreciated because they were rendered gratuitously. The Ministry of Labour, for example, are keenly desirous that head teachers should fill in the forms issued under their auspices in connexion with the work of Juvenile Advisory Committees; while there is a feeling on the part of the authorities concerned that School War Savings Associations should be continued in the interests of national thrift. Teachers have sympathy with these and other movements related to education; as professional men and women they are responsible for the proper instruction of their pupils. So far, therefore, as the time of teachers is occupied in subjects extraneous to the school curriculum, by so much must the work of instruction be neglected. As the inspectors of the Board of Education have standards by means of which the attainments of pupils are assessed, it follows that the schools of teachers who are most occupied in performing additional duties stand in danger of falling from such standards. In existing circumstances, and in view of

(Continued on page 804.)

A SELECTION OF A. & C. BLACK'S PRIZE BOOKS.

CHIEFTAIN AND CHUM.

THE STORY OF A HIGHLAND HOLIDAY.

By **Ascott R. Hope.**

Large crown 8vo, cloth, with 8 full-page illustrations by Allen Stewart. Price 5s. net.

This story, though of independent interest, makes a sequel to the author's *Hero and Heroine*, that recorded a strange case of sisterly devotion, complicated with an English boy's admiration for a school-fellow who at the end of the book seems cut off from him by unexpectedly succeeding to a Scottish peerage. In the present volume, this young Sassenach, his head full of romantic notions of the Highlands, visits his friends at an Ancestral Castle on the West Coast, when certain humorous and serious experiences open his eyes to the fact of Scott's novels not being up to date. But the two lads come in for such adventures as are still to be met with in the Highlands; then, by a lucky accident, the visitor is the means of restoring an ancient house's tumble-down fortunes.

SCHOOLBOYS OF OTHER LANDS.

By **Ascott R. Hope.**

Large crown 8vo, cloth, with 8 full-page illustrations by Walter Paget. Price 5s. net.

In this volume Mr. Hope Moncrieff has drawn, for the benefit of British schoolboys, pictures of the life of boys at school in other countries of Europe. They do not all have the happy lot of boys in these islands, but they manage to extract a good deal of happiness from their life at school, and, in addition to the interest of the sketches, there is plenty of humour to be found in the pages of the book. The period described is the latter part of the 19th Century.

THE MCKICKSHAWS AT SCHOOL.

By **Ascott R. Hope.**

New edition with entirely new illustrations by T. M. R. Whitwell. Large crown 8vo, cloth. Price 5s. net.

This is a series of humorous chapters of bygone school life, from which boys of to-day can note certain changes that have been passing over schools as well as other national institutions. The McCuishzie (pronounced, by the irreverent, McKickshaw) boys are the centre around which most of the scenes revolve—hence the title.

CHARLIE'S MASCOT.

By **H. C. Hooke.**

Large crown 8vo, cloth, with 8 full-page illustrations by Walter Paget. Price 5s. net.

In this story of happy, cheery boys, the author has selected as his plot the mystery which surrounds an epidemic of bound-breaking. Masters and boys alike are thwarted in their attempts to identify the culprit, and many thrilling events and tight corners result. The mystery when solved amazes the entire school. Woven into the plot is much fun and more sport.

The "Peeps" Series.

PEEPS AT THE BRITISH BLUEJACKET.

By **Patrick Vaux.**

Containing 12 full-page illustrations in colour by C. C. Titterton. Large crown 8vo, cloth. Price 2s. 6d. net.

This little volume is concerned with the life and work of our naval seaman in peace and war. How he lives in his "house" on the lower deck, and how he carries on with his part in the working of his ship, and many other "how's," are here described in an easy and graphic style that conveys fully and lucidly the details of information regarding the bluejacket's duties and general course of life in battleship, cruiser, destroyer, and submarine, not forgetting the trawler section.

PEEPS AT ANCIENT GREECE.

By the **Rev. James Balkie, F.R.A.S.**

Containing 16 full-page illustrations, 8 of them in colour. Large crown 8vo, cloth. Price 2s. 6d. net.

"Peeps at Ancient Greece" follows the method adopted in previous volumes of the series (Ancient Egypt, Ancient Assyria, and Ancient Rome) in attempting to reconstruct something of the life of the Greeks during the brief period when they were at the summit of their glory and their achievement. The colour-plates either represent historic Greek scenes and buildings or aim at the reproduction of characteristic features of Greek life; while the black and white illustrations reproduce some of the most famous specimens of Greek architecture and art.

A. & C. BLACK, Ltd.,
4, 5, & 6 Soho Square, London, W. 1.

EDUCATION ACT, 1918

NEVER

HAS THE SUBJECT OF SCIENTIFIC
PHYSICAL TRAINING ON EDUCATIONAL
LINES BEEN SO VITALLY IMPORTANT
TO THE NATION AS AT PRESENT.

Those who are interested in the welfare of the
rising generation should write for the following:—

S Y N O P S I S of Ling's System of Physical Training.

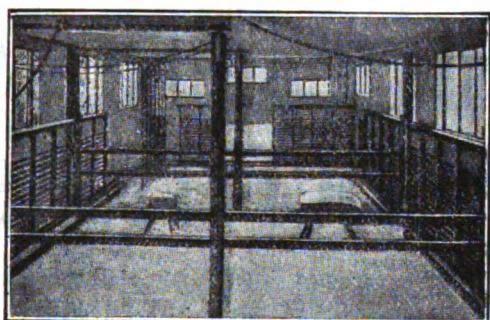
OLD GYMNASIA Particulars for Reconstructing Economically, to bring
in line with modern requirements for receiving
Regulation set of Educational Gymnastic Appliances.

P H O T O S Several Recent Secondary School and Welfare Outfits.

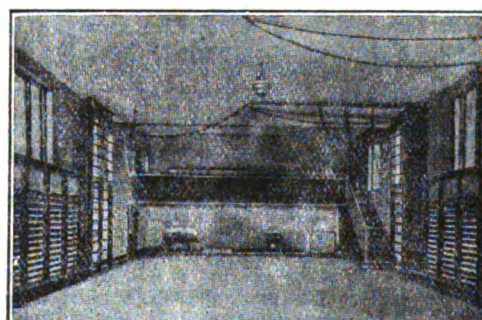
SCHOOL CLINICAL Plinths, Correction Belts, Head Suspension
A P P A R A T U S Apparatus, Straps, Cushions, &c.

LATEST EDUCATIONAL GYMNASTIC OUTFIT

at the Anstey Training Gymnasium, 1915.



*Full set of Physical Training Apparatus
in position.*



*Showing room freed of Apparatus in a
few minutes and ready for any other purpose.*

The above Gymnasium was converted from an unsuitable building & equipped by S.H. & G.

Write for printed information, plans and lists.

::

Representatives sent to advise, free of charge.

SPENCER HEATH & GEORGE LTD.

Expert Gymnasium Outfitters and Manufacturers of Medico-Mechanical Appliances for
Zander System, FUNCTIONAL RE-EDUCATION APPARATUS, Swedish Medical Apparatus, &c.

48, 52 & 54 GOSWELL ROAD, LONDON, E.C. 1.

T.A., "Abacot Barb," London.

T. Nos., Central 621 and 12080.

the great call made by the new Education Act upon the resources of teachers, it is essential that school staffs shall be able to attend exclusively to the routine of the curriculum. If it is necessary in the interests of the pupils that the scope of the curriculum should be extended in such manner as to include external subjects involving considerable clerical work on the part of the teachers, it is clear that there would be a strong case for the revision of the school syllabus and for assessing the methods of instruction. In any such revision the Board of Education would naturally take the initiative.

School Children and the Supply of Milk.

THERE is reason to believe that the prevailing high price of milk is preventing large numbers of children from obtaining it. The position is exceedingly difficult, and, until the results of the lack of milk on the constitution of young people can be definitely established by medical evidence, teachers can only emphasize the facts as they exist. It has been suggested that in the meantime supplies of milk should be made available for young children at reasonable rates by an extension of the principle of the bread subsidy.

The Abolition of Preparatory Departments.

THE unprecedented demand for secondary education, and the grave difficulty of building new schools, are compelling Local Education Authorities to consider the advisability of eliminating the preparatory departments of rate-aided secondary schools in order to find accommodation for older students. It has been pointed out that children of advanced primary education are being excluded from certain schools, while pupils of nine and ten years of age are being admitted who might with advantage be transferred to primary schools. The fact that the cost of educating a child in a secondary school is about four times that which obtains in a primary school makes a strong appeal to the average rate-payer, and the results of the recent local elections may go far to assist the movement in favour of restricting admission to rate-aided secondary schools to pupils who have satisfactorily passed the standard of a good primary school.

Salaries in Continuation Schools.

NOTWITHSTANDING the suggestion of the Board of Education that the salaries of teachers in the new Continuation Schools should approximate to the scales of secondary school teachers, there are no signs of a general adoption of such a principle. On the contrary, in a number of cases where Works Schools have been opened, the salaries of the teachers concerned have been fixed only after an exhaustive period of haggling. While it may be possible to staff pioneer institutions by teachers anxious to gain valuable experience for which they are willing to pay by accepting low salaries, there is no prospect that experienced teachers will serve in these schools unless generous scales of salary and conditions of service are definitely laid down. The work is likely to impose a heavy physical and mental strain upon teachers in view of the fact that the pupils will be of a peculiarly difficult age to deal with, while there will not be that definite home influence on the side of the teacher which is so frequently found in secondary schools. To a certain extent there is a similar necessity for the adoption of liberal scales for teachers working in junior technical and junior commercial schools.

N.U.T. Notes.

THE issue of the report on salaries by the National Joint Committee promises a period of great activity for the National Union of Teachers. The local associations will discuss the minimum scale as early as possible, and, at the special Conference of the Union on the 30th inst., representatives from the various districts will attend in order to record the opinion of their colleagues. As it is quite possible that the scheme recommended by the Joint Committee will fall below the rates of salary already being paid by the most progressive Education Committees, there is every prospect of vigorous developments in the salary agitations of the local associations, each of which will be naturally anxious to supplement the national minimum scale in accordance with its peculiar local conditions. The progressive increase in the cost of living has greatly aggravated the lot of teachers, and it has not tended to modify the attitude of those members of the Union who have been opposed to the temporary cessation of a fighting policy on salaries. It is clear that any substantial opposition to the findings of the Joint Committee would have the effect of discouraging the recruitment of the teaching profession, and this again would react unfavourably upon the prospects of introducing the vital clauses of the Education Act in their entirety.

LONDON UNIVERSITY DEGREES

OPEN TO BOTH SEXES
WITHOUT CONDITIONS OF RESIDENCE.

Free Guide
TO

MATRICULATION,

AND FREE GUIDES TO

Inter. Arts, Inter. Science,

Bachelor of Arts, Bachelor of Science,

Post free to PRIVATE STUDENTS from the Secretary,

University

Correspondence College,

No. 14 BURLINGTON HOUSE, CAMBRIDGE.

THE ANNUAL

"DIRECTORY OF EDUCATIONAL ASSOCIATIONS"

which has been described as ONE OF THE MOST USEFUL RETURNS PUBLISHED BY ANY BRITISH EDUCATIONAL JOURNAL will appear in the MARCH, 1920, issue of "THE JOURNAL OF EDUCATION AND SCHOOL WORLD"—a paper "indispensable to all school and college reading-rooms in these islands."—*Westminster Gazette*.

(MARCH 1919 issue is out of print.)

This "DIRECTORY" will be corrected to date by responsible officials. It will give (a) number of members; (b) amount of annual subscription; (c) name of "organ"; (d) telegraphic address; (e) telephone number; (f) date and place of next annual meeting; (g) secretary's name and office address.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

DUSTLESS AND HYGIENIC SCHOOLS

On all
School, Laboratory, Library, &c., Floors and Linoleums of every description

USE

FLORIGENE

(A Registered Name suggested by FLOOR-HYGIENE)

(British owned)

EARLY in the **CHRISTMAS VACATION** for best results.

"Florigene" is an aid to the prevention of throat and other diseases, has been awarded the MEDAL of the ROYAL SANITARY INSTITUTE,

and is strongly recommended by Medical and other expert authorities.

It costs little, saves labour, and is easily applied by the unskilled. Not sticky—the ordinary daily dry sweeping alone required.

It is IMPORTANT to NOTE that

ONE APPLICATION of "Florigene" effectively allays the dust and dirt for **2 to 12 months**, according to the traffic, not only during each sweeping (without sprinkling of any kind), but also throughout all the intervening periods—which is even of greater hygienic importance.

"Florigene" has been continuously used for many years on the floors of The Royal Colleges and other important Government Buildings; also in numerous Colleges, Schools, Laboratories, &c., throughout the United Kingdom and Colonies.

Send for Medical Reports and Testimonials to the Sole Manufacturers—

THE "DUST-ALLAYER" CO.

4 Vernon Place, Bloomsbury Square, London, W.C.1.

Contractors to Admiralty, War Office, H.M. Office of Works, India Office, L.O.O., &c.

A MESSAGE TO VIOLIN LOVERS.



We have the finest stock of **New Violins** and many **Old Violins**, and sell them at their actual tone value, regardless of maker, history, and label.

Amateurs and professionals looking for a good-toned, well-made violin, should keep in touch with us until suited. Fine reproductions of famous makers—Stradivarius, Guarnerius, Maggini, Vuillaume, are continually provided by us.

We would welcome your inquiries, and request that our ever-changing lists of **Old Violins** and **Violin Music** may be sent to you periodically.

Name

Address

Please say if interested in a new or old instrument.

New Violin..... Old Violin.....

Approval period arranged with responsible parties.

Old violins bought or taken in exchange.

HAWKES & SON, Denman St., Piccadilly Circus, London.

Kensington College,

34 Bishop's Road, Paddington, W

(Director:

Mr. JAMES MUNFORD, V.D., F.R.S.A., F.R.C.I.,

Opened by Her Grace Katharine Duchess of Westminster,

supplies a modern and comprehensive Training for Private Secretaries, Correspondents, Accountants, and Journalists. It confers Diplomas in Secretarial Training. Actual experience in Secretarial work and responsible office management is provided in the College Offices. A choice of appointments is guaranteed every Graduate. The College is both Day and Residential.

PROSPECTUS AND SOLICITOR-GENERAL'S SPEECH POST FREE.

SCHOOL PRINTING

OF EVERY DESCRIPTION.

MODERATE TERMS. ACCURACY. PROMPTNESS.

SATISFACTION GUARANTEED.

THE GUARDIAN PRESS (G. ALLAN BROCKMAN, Proprietor.)

GARNHAM STREET, STOKE NEWINGTON, LONDON, N.16.

THE SCHOOL WORLD

for June, 1918, and earlier dates (i.e. before the amalgamation with "The Journal of Education") should be placed with

Messrs. Macmillan & Co., Ltd., St. Martin's St., London, W.C. 2.

The Revised Advertisement Scale of "The Journal of Education and School World" will be found on p. 820.

TEXT-BOOKS FOR JUNIOR AND SENIOR FORMS

PUBLISHED AT THE

University Tutorial Press.

ENGLISH, FRENCH, LATIN.

English Grammar, Junior. With Parsing and Analysis. By A. M. WALMSLEY, M.A. *Second Edition.* 2s.
"The work of a practical teacher who knows the value of compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*

English Composition, Junior. By E. W. EDMUNDS, M.A., B.Sc., Senior Assistant Master at Luton Modern School. 2s.
"Makes plain for the young pupil the essentials of good writing."—*Education.*

English Composition, Senior Course of. By E. W. EDMUNDS, M.A., B.Sc. *Second Edition.* 3s. 6d.
"Excellent devised and arranged."—*School World.*

English Course, The Matriculation. By W. H. LOW, M.A., and JOHN BRIGGS, M.A. *Third Edition.* 4s. 6d.
"Admirably fulfils its purpose. The chapters on précis-writing and indexing are excellent."—*Westminster Review.*

English Verse, An Anthology of. For use in Schools and Colleges. By A. J. WYATT, M.A., and S. E. GOGGIN, M.A. 3s. 6d.
"A charming and truly representative collection."—*Guardian.*

English Prose, An Anthology of. For use in Schools and Colleges. By S. E. GOGGIN, M.A., and A. R. WEEKES, M.A. 3s. 6d.
"The choice of writers could not well be bettered."—*Saturday Review.*

English Literature, The Tutorial History of. By A. J. WYATT, M.A. *Third Edition.* continued to the present time. 3s. 6d.
"It is well written, well informed, and accurate."—*The Journal of Education.*

English Literature of the Nineteenth Century. By HENRY CLAY, M.A., and A. J. WYATT, M.A. 2s. 9d.
"A piece of sound and sympathetic scholarship."—*Athenaeum.*

French Course, New Junior. By G. A. ROBERTS, M.A., Head Master, Russell Hill School, Purley. 3s. 6d.
"The book becomes a serious rival to those existing."—*Schoolmaster.*

French Course, Senior. By Professor WEEKLEY, M.A., and CLAUDE GILLI, B.A. 4s. 6d.
"A model of clearness and simplicity."—*The Journal of Education.*

French Course, Direct. By H. J. CHAYTOR, M.A., Head Master of Plymouth College. Illustrated. 2s. With Vocabulary (French-English). 2s. 9d. Vocabulary (separately). 10d. net.
"Mr. Chaytor is a teacher of experience, and his book does him credit."—*School World.*

French Composition, Groundwork of. By Professor ERNEST WEEKLEY, M.A. 2s. 9d.
"The author's works have done much to raise the standard in French scholarship throughout the country."—*Secondary School Journal.*

French Essays, Matriculation. (Free Composition.) By H. J. CHAYTOR, M.A., and Dr. W. G. HARTOG, M.A. 2s.
"A serviceable and well-graded book."—*School World.*

French Reader, New Junior. By J. P. R. MARICHAL, L. es L., and L. J. GARDINER, M.A. 2s. 9d.
"The co-operation of a French and an English editor has produced the happiest results."—*The Journal of Education.*

French Reader, Senior. With Introduction, Notes, and Vocabulary. By R. F. JAMES, B.A. 3s. 6d.
"This is a splendid reader."—*Schoolmaster.*

Latin Course, New Junior. By J. V. THOMPSON, M.A., and L. M. PENN, M.A. 4s. 6d.
"A very successful compromise between the old and the new methods."—*Journal of the Assistant Masters' Association.*

Latin Course, Senior. By A. J. F. COLLINS, M.A., and ALFRED ROBINSON, B.A. 4s. 6d.
"The book is business-like and well arranged."—*Guardian.*

Latin Authors, Selections from. Senior Edition. By A. F. WATT, M.A., and B. J. HAYES, M.A. *Third Edition.* 3s. 6d.
"It is quite an interesting selection, and well done."—*School World.*

Latin Reader, New Junior. By A. J. TATE, M.A. 2s. 9d.
"Mr. Tate has shown great judgment in the extracts he has chosen."—*Bookseller.*

GEOGRAPHY AND HISTORY.

Geography, Junior. By G. C. FRY, M.Sc. 3s. 6d.
"A concise book of geography on modern lines. The diagrams are bold and convey definite visual instruction directly illustrating the text."—*Education.*

Geography, Textbook of. By G. C. FRY, M.Sc. *Second Edition, Revised and Enlarged.* 5s. 6d.
"A capital exposition of the modern methods of treating geography."—*Teacher's World.*

Geography of Europe, Senior. Being the Geography of Europe, including the British Isles, with chapters on Physical Geography. By G. C. FRY, M.Sc. Adapted from the *Textbook of Geography.* 3s. 6d.
"Mr. Fry brings out the fascination of the broad view of geography."—*Literary World.*

Physical Geography, Principles of. Adapted from the Physical section of the *Textbook of Geography.* By G. C. FRY, M.Sc. 2s.
"In this thoroughly serviceable volume Mr. Fry prepares the way clearly and fully for the study of economic and regional geography."—*Educational News.*

Government of the United Kingdom, its Colonies and Dependencies. By A. E. HOGAN, LL.D., B.A. *Third Edition, Revised and Enlarged.* 3s. 6d.
"An elementary account of the British Constitution suitable for upper schools. The account of the present-day institutions of the British Empire is good and clear."—*School World.*

History of England, School. By M. E. CARTER, Honour School of Modern History, Oxford. 4s. 6d. Also in three parts as follows:—I, to 1603; II, 1485-1714; III, 1660-1910. 2s. each.
"Very careful judgment has been exercised in the selection of the matter, and a proper perspective maintained."—*Educational Times.*

English History, Groundwork of. By M. E. CARTER, Honour School of Modern History, Oxford. 2s. 9d.
"A very readable outline of the salient facts of English History. The material is well arranged and the language is simple."—*Educational News.*

Matriculation Modern History: History of England, 1485-1901, with some reference to the Contemporary History of Europe and Colonial Developments. By C. S. FEARENSIDE, M.A. *Second Edition.* With Biographies. 5s. 6d.
"An excellent manual. The international history, specially in the eighteenth century, where most textbooks fail, is very carefully treated."—*School World.*

Social History of England, A. By FREDERICK BRADSHAW, D.Sc., M.A. 5s.
"An elementary account, suitable for use in the upper forms in schools, of the social and economic development of England. An exceedingly interesting and valuable little book . . . a book of high authority and serviceableness."—*The Journal of Education.*

Rome, History of: The Tutorial, to 37 A.D. By A. H. ALLCROFT, M.A., and W. F. MASOM, *Fourth Edition, Revised and in Part Rewritten* by J. F. STOUT, B.A. 4s. 6d.
"An accurate and capable manual for students."—*Speaker.*

Greece, History of: The Tutorial. By W. J. WOODHOUSE, M.A., Professor of Greek in the University of Sydney. 5s. 6d.
"The outcome of wide reading, high scholarship, and much original thought."—*Westminster Review.*

For other announcements of the University Tutorial Press, see pp. 788, 839.

Complete Educational Catalogue, and Catalogue of Class Books for the Oxford and Cambridge Locals, the Higher School Certificate, and London University Matriculation Examinations, post free on application.

University Tutorial Press, Ltd., High Street, New Oxford Street, London, W.C.2.

THE McDOUGALL LIST

A SCHOOL ATLAS—REVISED TO AUGUST 1919

A new edition of McDougall's School Atlas of Coloured Political and Photo Relief Physical Maps is now ready. It contains all the new boundaries fixed by the Peace Conference. An ideal Atlas for junior forms. 23 Coloured Maps, 16 Physical Maps, 15 Diagrams. In stiff boards, cloth back, 1s. 3d. net. With Index, 1s. 4d. net. Full cloth boards and Index, 2s. net.

MON PETIT CAMARADE FRANÇAIS

Livre Premier. Par L. LAVALT, Paris; P. LESTUNG, Marseille; et B. DUMVILLE, London. Follows in the main the principles of the New Method. Copiously Illustrated. 272 pages. 2s. net.

PETITE ESQUISSE DE LA LITTÉRATURE FRANÇAISE

By J. E. MANSION, B. ès L. An Excellent Selection. New Edition. 2s. net; boards.

EXTRAITS DES AUTEURS, FRANÇAIS DU XVII^{ME} SIÈCLE

By J. E. MANSION, B. ès L. 288 pages. Cloth Boards, 2s. 6d. net.

McDOUGALL'S PREPARATORY FRENCH

An easy, pleasant introduction. Cloth, 10d.

FABLIAUX FRANÇAIS

A simple, attractive Illustrated Reader. 1s. 6d. net.

GATEWAYS TO BOOKLAND

A series of delightfully Illustrated Literature Books for pupils of from 9 to 14. A very wide range of authors of all periods is drawn upon.

Winged Flights into Story Land 2s. 4d. Within the Gates 3s.
Vistas of Romance - - - 2s. 8d. In Kings' Gardens 3s.

REGIONAL GEOGRAPHY OF THE WORLD

A Modern Scientific Treatment. Contains an abundance of Contour Maps in Colour and Black and White, with many Diagrams. A section of questions based on the text is a very valuable feature. Revised to June 1919. 224 pages. Cloth covers, 2s. 6d. net.

EVERYDAY COMPOSITION

A new book of Hints and Helps in Letter and Essay Writing. Excellent in every way. Cloth limp, 1s. net.

PLAIN-TEXT SHAKESPEARE

In this edition of English Classics are given the greater plays of Shakespeare, unabridged but carefully edited for schools, and without notes. The books are full crown 8vo in size, most clearly printed, and bound in limp cloth. Price—each 6d. net, except *Hamlet* and *Coriolanus* (each 9d. net), and *Richard II* and *King Henry V* (each 8d. net).

CONCISE SCHOOL DICTIONARY

Over 15,000 Words, Phrases, &c. Exceedingly useful Appendixes. Boards or Limp Cloth, each 9d. net.

SONGS OLD AND NEW

Contains 9 National, 19 British, 5 New Folk, 8 Classical Songs, 4 Glee, 19 Rounds. In Staff or Sol-Fa.

Paper, 7d.; Cloth, 9d.

Piano Edition, 5s. net; by post, 5s. 6d.

ADDRESS YOUR INQUIRIES TO

McDOUGALL'S EDUCATIONAL Co., Ltd.,
8 Farringdon Avenue, London, E.C. 4.

THE JOURNAL OF EDUCATION

WITH WHICH IS INCORPORATED

THE SCHOOL WORLD.

SCALE OF CHARGES FOR ADVERTISEMENTS.

PUBLISHERS' AND GENERAL ANNOUNCEMENTS—

Whole Page	... £8 10 0	Half Column [$\frac{1}{2}$ page]	2 10 0
One Column [$\frac{1}{2}$ page]	£4 10 0	One-Eighth Page	... 1 5 0
Per Inch in Column, 12/6.			

SCHOOL ANNOUNCEMENTS—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—
9d. per line: minimum charge, 7s. 6d.

Posts Wanted or Vacant.—30 words for 3s.; each 10 words after, 1s. *prepaid rate*.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 4s. 6d.; each 8 words after, 1s.; *prepaid rate*.

An extra fee of ONE SHILLING is charged on advertisements with OFFICE ADDRESS.

If a receipt is required for an advertisement under 10s., a post card or a stamped envelope must be enclosed.

[Advertisers are reminded that "Letters addressed to INITIALS or to FICTITIOUS NAMES, or to a CHRISTIAN NAME without a SURNAME," at Post Offices are not taken in, but are sent at once to the Returned Letter Office.]

All Letters respecting Advertisements and Subscriptions should be addressed—

MR. WILLIAM RICE,

3 LUDGATE BROADWAY, LONDON, E.C. 4:

to whom all remittances should be made payable. Orders and Cheques should be crossed, "The London Joint City and Midland Bank, Ludgate Branch." *Postage stamps can only be received at the rate of thirteen to the shilling.*

Notice must be given of all remittances through the Post Office from abroad, stating full name and address of the sender; and all Foreign Money Orders must be crossed for payment through a Bank.

Date of publication of next issue will be found at top left-hand corner of front page.

LONDON: MR. WILLIAM RICE, 3 LUDGATE BROADWAY, E.C. 4.

THE USE OF ARCHÆOLOGICAL AIDS IN SCHOOLS.

By S. E. WINBOLT, M.A., Christ's Hospital.

THE objective method of teaching, in its more or less unconscious forms, probably goes back to prehistoric times; but, as a conscious philosophic system, dates from Comenius, about three centuries ago. The dictum of the "Great Didactic" is, first the presentation of the thing itself; if the thing is hard to come by, then pictures. Hence the *Orbis Pictus*. To Comenius succeeded Rousseau, from whose "Emile" I quote one sentence: "In general, never substitute the sign for the thing itself, save when it is impossible to show the thing." To Rousseau, Pestalozzi, who—in theory, at any rate—did more to establish the objective method than any other philosopher. "Sense impression of Nature," he says, "is the only true foundation of human instruction, because it is the only true foundation of human knowledge." The development of the method in Europe is fairly modern; in Germany, from 1850 onwards; in France, from 1878; in England, from about the same time, radiating from the Home and Colonial Training School in Gray's Inn Road; and in America from the Oswego (New York) Normal School.

Most of the modern movements in education owe their origin to the objective method; and there is a closer alliance than one would at first suppose between laboratory teaching of science, dramatization of literature, all uses of pictures, graphs, and maps, Nature-study, manual training, self-activity on the part of the pupil, and the direct method of language teaching. But it is well to enter a caution against two popular fallacies.

The first is that objective work should necessarily decrease as pupils get older. It is immaturity or inexperience in a special subject or situation which determines the amount of objective work required. It is not the age of the pupil that

should weigh, but his experience of the special subject in hand. Thus, a fifth-former does not want to count with beans, but it will do him good to examine Miss Croft's model of a Roman house or a Brucciani cast of a Greek inscription; or, better still, make both for himself.

The second fallacy is that you cannot have too much of objective presentation. As in all cases of the relation of concrete and abstract, the fact would appear to be that the word symbol is apt to become exhausted and anæmic, and requires to be refreshed occasionally by being brought into direct contact with the thing. Both in mathematics and classics instruction is always tending to be excessively abstract, wordy, bookish. This tendency it is our positive duty—and should be our positive pleasure—to resist by occasional returns to direct sense impression. But, for all that, we cannot afford to spoil the human effect of, say, a Penelope book of the Odyssey by interrupting the five or six hours required to read it by constructing a model of a loom, itself a five or six hours' job. Obviously, we must keep a sense of proportion, and often a delicate sense of proportion.

The upshot of the philosophy of the matter may be expressed in a sentence. There is probably no single type of educational method which has been so influential for good in the schools as objective teaching.

Let us assume, then, that objective aids to literary instruction are necessary. Teachers of Greek and Roman history and literature are still faced by two difficulties: where to get the material and how to apply it. The former question is partly solved by the collections of the Archæological Aids Committee, which have been steadily improving for the last six years. The answer to the second may be given briefly, under the headings of Time and Manner. The time to be taken from class-work should be at most an occasional ten or fifteen minutes, but this may often be supplemented by ten minutes after school time. The method, I believe, should be chiefly *ad hoc*. Thus, rather than give a more or less unrelated lesson on Roman coinage in general, when I come across a mention in Livy of *asses*, at the end of the period I would hand round specimens of "Aes Grave," and quickly explain the value and history of this particular series. But, if the lesson happens to be one on Greek or Roman history, I should feel myself justified in devoting a whole period to coinage. A week or fortnight beforehand I would put up in classroom a picture of ancient coinage and let it soak in. The curious will examine it. Then bring in the coins connected with the cities the class has been reading about. To each two or three pupils hand a tray of a dozen or so of coins, with instructions to puzzle out the legend, describe the obverse and reverse, to trace the connexion between the coin and history, to make a rubbing or drawing of certain coins. If there is time, interchange the trays. At the end, help them to solve difficulties.

This sort of use can be made of many kinds of our material. I usually bring in two or three objects as feelers, put them on my desk or side-table, and leave them to excite curiosity. The boys handle them and ask questions about them, when, after ten days or a fortnight, I bring in a group of similar objects and go into the whole matter.

In out-of-school time boys will do many things for themselves—make casts of coins (an easy and fascinating pastime), or a wooden or cardboard model in the manual school or in house. The interest excited is quite obvious: words and realities have been firmly connected for ever, a taste for archæology is sometimes implanted, and very little inroad has been made upon ordinary class time.

Now to grapple with detail. I venture to give my own first year's experiments for what they are worth, apologizing in advance in case much of what I say may seem too obvious. I was teaching the usual classical subjects to a fifth and a sixth form.

Greek History was my main chance. Yet, with two or three exceptions, I did not trench on ordinary school time for more than a quarter of an hour at the end of a lesson in any week. My plan was to introduce appropriate objects into the classroom, say nothing about them at first, but leave

them to excite curiosity, invite inspection after class time, and then, when questions began to come in, give a short talk about them. These objects were seldom left more than a week, and nearly every week throughout the year I had something fresh and appropriate to bring in. The general effect was the increased interest and keenness, especially, of course, in that most difficult of lessons, the history lesson—an effect noticed, though their attention was not directly called to the subject, by both Board of Education Inspectors and University Examiners.

My first opportunity was with the Sixth (a class of 17), in dealing with the art of the Periclean age, when Balle's statuary pictures had just come into my hands. On this occasion I boldly took the whole of the two consecutive history periods; introduced the subject by sketching the history of Greek sculpture of the sixth, fifth, and fourth centuries, and then exhibited select photographs arranged under headings, saying a few words about them, and sending them round for closer inspection. A week or two later I found some postcards and photographs in the British Museum, and pinned them up, and recommended purchase.

Shortly after this it happened that most of the Archæological Committee's exhibits for circulation were assembled at Christ's Hospital before they were sent away on rota. I therefore arranged an exhibition in the school library, adding to the collection what I could borrow from various members of the staff, and inviting all and sundry masters and boys to see wall pictures, photos, and coins, and arranging a practical demonstration of coin casting. This aroused much curiosity and interest, and masters resolved that some such pictures, at least, were desirable. Result: the Governors granted £5 for purchase of pictures. Among the models, the catapult, of course, was popular. Result: boys made in manual school a mill, a catapult, a tortoise, &c.—all better things than the originals—at the cost to the school of material only. One boy made me a voluntary offering of a roll of a book, another labelled with Latin and Greek names the various parts of the catapult.

But it happened during the four days while the material stood in the library, that the sixth had to deal with Chapter XXV in Oman's Greek History, the Years of Peace 445-439, in which "Pericles and the Athenian Empire" is the subject. I found I had at hand illustrations of many things: a cast of the inscription of the Erechtheum Commission's Report (the introduction and first few lines of which a few fair attempts had been made to decipher, while it stood as a challenge in classroom), a relief map of Athens and the Peiræus to show the third wall built by Pericles, a picture of the Acropolis, the photographs of Athens and Attica to show the Acropolis, the Odeum, and other buildings mentioned—plaques of the frieze to illustrate the Panathenaic festival; the *ὀβολός* and the *τριῶβολον* from the Greek coins to illustrate state payment, the coins of Thurii to illustrate the colony settled at New Sybaris in 443, and so on. So after the first period in classroom we adjourned to the library, inspected, handled, and talked about these various objects.

In the next chapter (XXVI), 435-432, the outbreak of the Peloponnesian War, with a little harking back to Chapter XXV, I found relevant among the coins the Athenian obol, $\frac{1}{2}$ obol, Aeginetan stater, triobol, and obol, the Corinthian stater and diobol, and coins of Corcyra, Thebes, Euboea, and Amphipolis.

Meanwhile, with the fifth I had reached Livy I, 43, which deals with the organization of the people into classes according to property qualifications. Its opening—"Ex iis qui centum milium aeris aut maiorem censum haberent"—was suggestive, and as Prof. Browne had just kindly presented me with a set of the "Aes Grave" series, I did not hesitate to spend twenty minutes of valuable time in explaining the series, and handing round the very realistic reproductions. At the end of the morning, of course, several stayed for ten minutes to handle them again.

We were now well in the middle of the second term, and the results of these little talks began to show themselves among the keener few, from whom there began to drop in contributions of various sorts; one wanted identified a fragment of old

pottery from a stream near his home, another brought some Persian coins, and others several pictures bearing on class subjects, history, or classical reading. One introduced me to the Greek history pictures in Hutchinson's "History of the World," which were without delay cut out and fixed up to illustrate the chapter being read.

I have not space to detail the other objective devices used for the rest of the year, including a lantern lecture on ancient Greece, the handling of Sicilian coins and Greek pottery, and the use made of the Roman Spectacle at Olympia.

To sum up. The following are generalizations made from my first year's experience, confirmed by that of the subsequent five years:—

1. The interest of pupils and teachers is genuine and beneficial.
2. Much can be done without making any but the slightest inroads on the time of ordinary class work.
3. The objects should be used almost entirely to illustrate the matter in hand, æsthetic values, of course, being noticed; but the pure archæology of the thing should not be emphasized.
4. Objects should not, with rare exceptions—such as pictures of Athens or Rome, or a few objects of marked æsthetic merit—be left permanently in classroom; they should be brought in *ad hoc*, and for short periods.
5. Home-made copies of most things will be made by pupils with the smallest encouragement.
6. The teacher need not be timid: a trained archæologist is not necessary. It is pure pedantry to demand a nice accuracy, which is nothing as compared with the intensified interest and broadening of imagination which follow from the use of tangible and visible illustrations when chosen with ordinary judgment.
7. Schools should aim at acquiring their own material after four or five years' use of the A.A.C. collection.

CORRESPONDENCE.

AN EXPERIMENT IN SELF-GOVERNMENT.

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—A senior class having been asked what should be the chief aim of education, a happy student said: "to give the scholars a good time and see that they enjoy themselves." It does not take a philosopher to see the inadequacy of such an aim, though one sometimes meets the genial *bonhomme* who would endorse it. Nevertheless, life is not altogether a play-garden. To a certain extent the aim of education must be adjusted to the needs of the age. Benjamin Kidd points out that in progressive civilization the fittest are those who have developed the qualities which make for collective efficiency and co-operation. If we are to develop these in the race and so make the world safe for democracy, it is essential to begin with the young. Thus, the Germans are the most submissive people in Europe, and it is education that has made them so, for absolute monarchy demands passive obedience.

One of the best ways of developing these collective qualities is through self-government in the school. The public-school system of government through the prefects with their "flogging privs." and their fags, is not self-government so much as deputed autocracy. The ideal should be the autonomous school; a fraternity in which the boys work with and not for a prefect or master. It is one of the ironies of fate that it should have been left to a soldier—Sir Robert Baden-Powell—to popularize this idea in the training of boys. In a Scout troop there exists a Court of Honour of the leaders, the latter being in many cases elected by the troop and being responsible for the discipline and training of the boys under their charge. Starting with this idea, the writer has worked out in the course of three years a system of self-government in his school.

A Court of Honour of the prefects was first formed. It met weekly and was given certain deliberative and judicial powers. Each house was represented by the captain—a prefect in every case. Boys were brought before the Court for certain offences, a too frequent appearance in detention being a case in point. The Court would decide the nature of the punishment. Usually a warning was found to be sufficient, but sometimes a boy would be

suspended from his house and so deprived of such privileges as playing in a house match or taking part in a field-day. The results were most satisfactory, especially in reducing the numbers in detention. The prefects were unanimous in their opinion that a boy disliked nothing so much as an appearance before the Court of Honour. For the Court came to represent strongly the public opinion of the school, and the boy can seldom stand up against that.

Then there was the power of the Court to deliberate and to decide many matters of school policy. It arranged matches and drew up all rules for field-days and inter-house competitions. It made the arrangements for camps, and, where Scout funds were concerned, it checked accounts and discussed expenditure. Prizes having been given up on Speech Day, it decided how the prize money was to be spent, and it disbursed concert moneys among the different War charities. A detailed illustration may not be out of place. In 1917 the Court decided to give all the prize subscriptions to War bonds. A lively discussion followed as to the use of the annual interest. Finally the boys decided that half its amount should go to endow a prize for the pluckiest boy in the school, the selection to be by ballot. The girls objected to this arrangement for themselves, and allotted their share of interest to found a prize for the best all-round girl in the school. The scheme was welcomed by the school, and has been a great success. Suggestions were often made by the members of the Court as to the distribution of leisure time between the various scouting activities, games, and War work. But with the actual curriculum of the school the Court had no concern.

Reference must finally be made to the Supreme Court of Honour. This was a court of appeal consisting of the prefects and the members of the staff. A member of the ordinary Court could always move that certain business go before the Supreme Court, and it became customary for important matters to be reserved for the latter.

Having started out with the Court of Honour, there arose the further question of associating the majority of the pupils in the government of the school by means of a vote in the selection of their officers. A plan was devised that set up an elective body known as the League. Members of the League were elected by and included all boys over twelve years of age who had been in the school at least one term. At the first election there were some seventy-five candidates for admission to the League. They also formed the electorate. To enter the League, fifty votes had to be obtained, two-thirds of the possible number. Ballot papers were given out, and scholars put on their honour to vote only for those who were doing their best to raise and maintain the good name of the school. The result was that some 12 per cent. of the candidates were voted out of the League, and, according to the prefects, they were the very pupils who ought to have been so rejected. It will be seen that the League thus fulfils two functions: it gives a measure of self-government to all who in the opinion of their fellows deserve it, and it helps to raise the tone of the school. As regards the latter, pupils on voting were asked to judge of a person's fitness for the League according as he carried out the spirit of Baden-Powell's Scout Law, which has been adopted as the school law.

The system of self-government outlined has been some three years in working itself out, and it has met with a considerable measure of success. It justifies the experience of many years' work with boys—namely, trust them and give them a hand in the framing of policy, and they will justify that trust. Treat them as irresponsible little animals, and they will act as such. Largely owing to the co-operation of the Court of Honour, the school referred to has raised since 1916 almost £800 for War Loan, War Savings, and War Charities, not a small total for a school of just over 100 scholars.

Co-operation is indeed the essence of the system, and the secret of its success. Here are all the qualities that make for collective efficiency. For individually the prefects have not great powers, but as a Court they are all-powerful. Then, too, a prefect must be a member of the League and is elected by the League. He holds his position by the goodwill of its members. And, since all members may have to seek re-election each year, any prefect who lapses from the standard required of him may lose his position and cease to hold office. Leadership not dictatorship, responsibility not privilege—these become his watchwords. The school-master gives in to the natural desire of the boy to form and carry out a policy which is his own. The boy in turn learns not to give in to himself. This is the true discipline, the real "school of learning." Indeed, self-government gives a school in the complete sense of the word, since it educates the whole boy. Here is no mere examination factory with its soulless routine of cramming, but rather a society in which the boy learns self-confidence, self-reliance, and self-discipline. He has opportunities for making decisions and judgments which are his own. He can form and state his opinions. He accustoms himself to do of his own will what

is too often done under compulsion. And, not least of all, he has plenty to do and think about outside his studies and his games. This is true offensive policy on the part of the schoolmaster, for he is not thrown on the defensive as against a boy's capacity for mischief.

The writer would be just neither to his boys nor to himself if he minimized the difficulties of any system of self-government. They are inherent in the nature of the case. To some extent there is a surrender of the head master's powers. Although he or one of his staff always takes the chair at the Court of Honour, his is only a casting vote. Each member of the Supreme Court has only one vote, whether he be master or prefect, and, though the prefects may outnumber the staff, the reverse is never the case. Whatever affairs are left to the decision of the Court, its decision on these is final. The Court of Honour needs careful handling. One must needs ride as if the reins were made of silk and could easily be broken. Sometimes there is no alternative but to allow the Court to persevere in a mistaken policy, and to find out its error by experience. Should the Court tie on a question, it may be good policy for the chair to avoid giving the casting vote, and to let the League vote on and decide the question.

There is also the effect on the relations of the boys and the masters to be considered. As a rule, these relations are improved. Though more intimate than is customary, they are equally respectful. The boy's sense of honour prevents him from taking advantage of the liberty allowed him. There will always be exceptions to this rule. Occasionally a prefect can become too big for his shoes and require a new size in hats. Such bumptiousness is a passing phase, and the true educator, under the inspiration of his calling, will never deny that "to do the things that cannot be done is the glory of life."

HEAD MASTER.

RECONSTRUCTION IN MUSIC.

To the Editors of the *Journal of Education and School World*.

DEAR SIRs,—My attention has just been drawn to your note in the September issue, page 577, on "The Teaching of Music in Schools," in which you refer to a letter recently addressed by the Directors of Music in Secondary Schools to the head masters of all the preparatory schools in the Kingdom. I have also seen the letter itself, and I hope you will allow me to make a few observations on it, as the subject is one to which I have given the greatest attention for many years, and is, I believe, of extreme importance for the future, particularly owing to the fact that music is constantly getting more and more complicated from the point of view of notation.

I hope that many of the head masters who have read the letter of the Directors will also read these remarks.

The gist of the letter in question is that the Directors of Music in Secondary Schools state that the boys who come up to them from the preparatory schools are, if singers, "quite unable to sing a simple melody at sight, far less to sing at sight a second treble or alto part." If they are players, they are without any idea of reading music, but say frankly "we never could read."

These being the facts, the Directors find themselves on the horns of this interesting dilemma: either (a) the notation is so difficult that it really cannot be taught to the boys, so as to enable them to master it (or presumably to girls either), or (b) the teachers in the preparatory schools are incompetent.

Now, the fact that the notation is so difficult that only a very small proportion of pianists can play their music at sight is a mere truism, well known to all interested in music. Those who can do so belong to one or other of two classes: those (a strictly limited few) who have a natural talent for the subject, and practically have never wanted anyone to teach them, and those who have devoted a great deal of time to music, have studied it thoroughly, and become really proficient in musical theory. Great numbers of the students turned out year after year by the great schools and colleges of music are very bad readers.

As long ago as 1905 Sir Frederick Bridge told the Incorporated Society of Musicians (the most professional of all the musical societies) that "the inability to read was deplorable and general, and that the examiners did not dare to give the young players anything like a difficult piece of music to read, although they could play sonatas by Beethoven, suites by Bach, and so on, with the greatest fluency."

Some years ago also (June, 1908), there appeared in *The Journal of Education* an article by Dr. A. Somervell, the Government Inspector of Music, in which he said practically the same things about girls' schools as the Directors now say about boys', but he included the senior as well as the junior pupils in his denunciation.

It is no concern of mine to defend the junior music teachers, who will probably reply to their seniors with a vigorous *tu*

quoque, calling upon them to demonstrate to what extent they themselves produce better results. The real blame lies with the antiquated, erroneous, complicated, mystifying, irritating, brain-fagging notation, which took its origin in the darkest of the dark ages and has been patched up and patched up during the intervening centuries till now it is a confused mass of varying staves and ledger lines, sharps, flats, naturals, double sharps, double flats, and enharmonic changes, which is the greatest of all obstacles to the progress and enjoyment of music. The perfectly accurate and simple "Note for Note" system of music is waiting, ready to take its place. It would save nine-tenths of the time now spent in learning music, it would enable countless numbers of music-lovers who are now shut out from the practice of the art to play for themselves.

The "Note for Note" system is simply the application to the notation and theory of music of the principle of equal temperament, which was practically brought into use for the sounds of music by Bach, and of which it is said in Grove's Dictionary of music and musicians, "this principle was known to the Greeks, but its modern revival, which dates from about the sixteenth century, has been one of the happiest and most ingenious simplifications ever known in the history of music, and has had the effect of advancing the art to an incalculable extent." There is every reason to anticipate that the reconstruction of the notation and theory on this same principle would still further "advance the art to an incalculable extent." It would also result in an enormous saving of time.

Let me beg the head masters to investigate this system, and, instead of trying to *make* the junior teachers *make* the boys and girls learn the present impossible system, which they certainly will not be able to do, let them insist on the musicians reconstructing their defective system in the light of twentieth-century science. The directors of music will have then no further reason to complain that the boys and girls can neither sing nor play at sight.

In conclusion may I remind your readers that a review of the "Note for Note" System appeared in your Journal in September 1918.—Yours faithfully,

WALTER H. THELWALL.

3 Earl's Court Square, S.W.5.

THE SECONDARY SCHOOL TEACHERS WAR RELIEF FUND.

To the Editors of *The Journal of Education and School World*.

SIRs,—The Committee of Management of the Secondary School Teachers War Relief Fund desire to make a final appeal for funds with a view to closing the subscription list in December, 1919. While expressing our sincere thanks for the support so generously accorded in the past, we have to point out that the response to the appeal made in May last has not fully met the existing liabilities of the Fund. Actuarial investigation has shown that, if our annual commitment based on life expectations on annuity principle is to be maintained, a further capital sum of £500 must be provided. We feel that all subscribers will realize the obligation laid upon us of continuing allowances to the families of those of the profession who have fallen in the war, so that a reasonable livelihood is assured.

We therefore urgently appeal to all interested in Secondary Education to assist to the utmost of their power in raising this sum before December 31 next.

Subscriptions and donations may be sent to any of the Associations represented on the Committee of Management, or to any of the local honorary collectors, appointed by the fifty branches of the Incorporated Association of Assistant Masters. When this is not possible, contributions should be sent to the Hon. Treasurer of the Fund, Mr. J. Hart-Smith, c/o Barclay's Bank, Ltd., 835 Wandsworth Road, S.W.8, London. Cheques should be made payable to the Secondary School Teachers War Relief Fund, and crossed "A/c Payee only."

35 John Street, London, W.C.1.

A. A. SOMERVILLE,
G. D. DUNKERLEY, Hon. Secretary,
J. HART-SMITH.

SCHOOL TEACHERS' SUPERANNUATION ACT.

To the Editors of *The Journal of Education and School World*.

DEAR SIRs,—In view of the possibility of some amendment of the School Teachers' (Superannuation) Act, may we venture to draw your attention to one or two points on which further legislation would appear desirable?

First, it must be noted that as the Act stands at present the interests of schools are likely to suffer somewhat seriously from the necessity of keeping on elderly teachers at the maximum salary.

Many assistant mistresses of fifty and over are still capable of doing excellent work, and would, if it did not affect their pension, be willing to accept a slightly lower salary if they were relieved from some supervision duties, obtaining in consequence more leisure. Such an arrangement would frequently conduce to the harmony of the school; we would suggest that if the pension of the teacher could be calculated on any five years of continuous service, instead of the last five years, it would be a great improvement.

Secondly, we think that, in the interests of education, some means should be found whereby teachers may be enabled to pass from one type of school to another without loss of pension. At present, service in private schools, denominational secondary schools, public schools rich enough to support a pension scheme, and all schools outside England and Wales, is definitely excluded from recognized service, and the teacher who accepts service in these schools receives, in consequence, a smaller pension; yet there is no doubt that such experience, provided it is in good schools, makes a wider-minded and more efficient teacher.

Thirdly, we would suggest that, in view of the difference between the scales of salaries under different Education Authorities, the pension should not be entirely proportionate to the annual salary.—We are, yours faithfully,

E. STRUDWICK,

Chairman of Pensions Sub-Committee.

G. BRACKEN, K. H. COWARD, M. B. CURRAN,

M. C. FOLEY, L. A. QUARTLY, D. SANDFORD,

W. SMITH, D. W. SPRULES, J. WATSON,

Members of Pensions Sub-Committee

of the Association of University
Women Teachers.

AN IMPROVISED TAP.

To the Editors of *The Journal of Education and School World*.

SIRS,—The following may be of some little interest to teachers of science. In certain experiments where an aspirator is essential, a glass tap is not always available. The usual substitute is a screw-clip, but this type does not always form a part of the equipment of a laboratory. In such cases, and where water is to be delivered slowly and steadily from the aspirator, a satisfactory plan is to place an ordinary clip on the rubber tubing, and then fasten the clamp from a retort-stand on to the clip, adjusting it until the desired result is obtained.—I am, yours, &c.,

High School,
Kirkcaldy, N.B.

NORMAN M. JOHNSON.

October 31, 1919.

FOREIGN AND DOMINION NOTES.

FRANCE.

M. Artaud, President of the Chamber of Commerce at Marseilles, has been telling his fellow-citizens that the greatest danger hanging over France is a diminution of the will to work. "If we do not change," he said, "we shall perish of hunger, with our pockets full of paper money." Making the preliminary remark that the salaries of French teachers are paid in paper, we glance at the definitive table of payments now published. Primary teachers, *men and women alike*, of the sixth, or lowest class, are to receive 4,000 francs a year; of the first class, 6,500 francs (the increase at each promotion to a higher class being 500 francs); whilst a *classe exceptionnelle*, or special class, will get 7,000 francs. In the higher primary schools the salaries range from 6,250 francs in the sixth class to 10,750 in the *classe exceptionnelle*; in normal schools from 6,500 francs to 11,000, with higher rates in the Departments Seine and Seine-et-Oise. Head masters receive each the salary of his class with a (not large) supplement, dependent, in the ordinary primary schools, on the number of forms in the school controlled. A great disparity between the remuneration of a head and the remuneration of an assistant master is unusual in France.

Salary is not the whole of life. Joy in work counts for much, and the will to work should be encouraged. Amid much clamour against competition in the expenditure of energy, the French regulations uphold the rights of individual effort. How is promotion got? The minimum period of stay in a salary class is three years; promotion by seniority takes place after five years. But 30 per cent. of the teachers who have passed the minimum stage and have not reached the maximum of five years are promoted by selection. Advancement to the *classe exceptionnelle* is always for the chosen.

The larger salaries assigned to the higher primary schools are designed as an inducement to the lower teachers to equip themselves for office in those schools. Even the inspectorate, with a salary for the *classe exceptionnelle* of 17,000 francs in Seine, 13,000 francs in other departments, is open to the primary teacher who has possessed himself of the necessary qualifications. Scholastic successes and University degrees, a professorship in an *école normale*, the *agrégation*, the *doctorat*—they are titles to an augmented stipend for the inspector. France, in fine, recognizes the fact that the teacher must not only be fed, but also stimulated to purposeful endeavour, in which matter other lands would wisely follow her example.

The French primary teachers, it is announced, have decided, wisely or unwisely, to transform their Amicales, or associations, into *syndicats*, or trade unions, which will join the *Confédération générale du travail*, or Labour League. The trade union and the strike would be more justly estimated if women were taught to view them with larger understanding. A French Catholic society grants a *diplôme d'enseignement ménager*, at the last examination for which the girls were required to write papers on social economy, the programme of matters being this:—"The trade union. What is a trade union? What is its essential aim? What do you understand by trade interests? Are they really promoted by an undetermined demand for a raising of wages? When is such a demand proper? In what cases may the right to strike legitimately be exercised? Explain how a trade union can be a means to mutual understanding and social peace." It would be a gain if the woman learned to regard the strike as something affecting not only her own flour bin and lard pots, but also society in general. The new rôle assigned to women in the State requires for social economy an important place in the education of girls.

France has not yet an obligatory continuation law; but there has lately been promulgated an important "Loi relative à l'organisation de l'enseignement technique, industriel et commercial" (*Text in Bulletin de la Société générale d'Education*, L. 3).

This French law recognizes both public and private schools and courses of technical, industrial, and commercial instruction. But the private schools are governed by a special Section of the law. Any person who wishes to open a private technical school must declare his intention and designate its locality to the *maire* of the commune in which it is to be opened. The particulars that he furnishes will be placarded for a month on the door of the *mairie*. The *maire* may oppose the scheme on some ground of morals or hygiene. The applicant must submit the same particulars to the Prefect, the *procureur de la République* and the Minister of Commerce and Industry, together with a certificate of birth, diplomas, and judicial record. If no opposition is raised by these authorities the school may be opened after a lapse of two months. The applicant must have qualifications strictly determined. Any one who opens a school without fulfilling all the legal requirements becomes liable to a fine of from 100 to 1,000 francs, and his school will be closed. Private technical schools are to be inspected by inspectors approved by the Minister of Commerce and Industry; if legally opened and properly conducted they may be "recognized" by the State. In brief, France requires that private technical schools shall be conducted by fit persons, in fit places, and under adequate public control.

You will find in the end that bonds of sentiment and exchanged culture are more than paper covenants. France knows this. She is sending professors to Bohemia and to Greece. She has signed a *convention universitaire* with Rumania, and is preparing a like agreement with the Swiss Universities. With America her relations grow continually more intimate. Last year 114 French girls and 36 invalided French soldiers were passed over to American colleges and Universities by the American Association of Colleges. Now there is news of twenty scholarships founded in French *lycées* and *collèges* for American girls, who will return to teach French in American schools. The French Universities (Strasbourg, in particular; cf. *Education*, ii, 1) are desirous of attracting the foreign students who formerly sought light in Germany. To promote this object the Society for American Fellowships offers twenty-five "fellowships," of the annual value of 1,000 dollars for two years, for American students proceeding to France. The aim of the society is "to assist in establishing the standing and repute of French scholarship in its proper place of eminence in the mind of the American public." Events have driven French culture forward and German back; yet there will be room for both when Germany has rehabilitated herself in the esteem of mankind. Meanwhile, French spirit, the French language, and French literature are being widely diffused, notably by means of *Instituts*:

français. The University of Grenoble has charge of such establishments in Italy; to the University of Lyon is entrusted the *Instituts français* of Tokyo, and will be entrusted that to be founded at Pekin; Bordeaux and Toulouse have their offshoots in Spain. There is talk of French *lycées* to be established not only in Spain (as we have reported), but also at Warsaw and Bucharest, in Brazil, the Argentine, and even in Persia. And in all this there is nothing resembling the cancer of *Alldeuschtum*. It is a linking up of friendly nations—an effort to write "*Liberté, égalité, fraternité*" over all the world.

GERMANY.

We wish we could report that Germany shows signs of penitence, but we cannot. The general tone is of injured innocence, and what we call reparation the Germans call the payment of an unjust debt, the hate officially disclaimed ranking in secret. The German will, they say, must be educated, the national sentiment maintained in the severed regions, the German language kept pure—Weimar is reproached with its *Gendärmeriekommissar*, for which the German would be *Oberwachtmeister*—and the writing of it simplified. About religious instruction there is still keen conflict. The New Constitution, repudiating a State Church, allows three kinds of school—the denominational, the mixed, and the purely secular; and parents have the right of determining locally the kind of school that they desire for their children. On the other hand, the Socialists still press for the general introduction of the secular school. There is a superfluity of primary teachers, and men and women are warned not to crowd to the school for a living. Women, especially war widows and orphans, find employment on the land, and a Gotha firm publishes a special series of "*Landfrauenbücher*" for their guidance. In the field of higher education there is activity; for at least the German intellect must retain its influence. A new foundation is the Schleiermacher Hochschule at Berlin, to which all adults are welcomed, and in which men like Prof. Harnack and Prof. Richter examine the questions of the day in the light of a liberalized Christianity. Again a Martin-Luther-Volkshochschule was to be opened, also at Berlin, on October 31, to promote "the inward upbuilding of the German people in the spirit of Martin Luther." A decree of the Prussian Ministerium für Wissenschaft, Kunst und Volksbildung admits to the Universities primary teachers, men and women alike, who have passed a training college examination (*Seminar-Abschlussprüfung*) and served two years in a school. The Oriental Seminary in the German capital offers popular courses in the Russian, Polish, Turkish, or Bulgarian language to the aliens stranded there, the fee being 10 marks a course; whereas ladies' stockings are advertised at from 6.50 to 16.50 marks a pair in Chemnitz, where they are made. Learning is cheaper in Germany than underclothing.

MEXICO.

Culture and education in Mexico are not at a high stage; indeed, malice relates that the trains have to travel with closed windows in order to keep out the bullets of banditti. We note briefly some slight signs of progress. The Government is preparing films illustrating the social and industrial life of the Mexicans, for the education of the people and the enlightenment of foreigners. The library of the Department of Agriculture in Mexico City is handsome and well equipped; a public reading room has also been opened in connexion with the Department of Industry and Commerce. The Ayuntamiento, or authorities, of that city have approved a project for the immediate establishment of two open-air schools in the outskirts, and it is hoped that others will be added soon. To improve relations with the United States, exchanges between the National University of Mexico and American colleges are proposed. The Rector of the University of Michoacan at Morelia has accompanied the Mexican Ambassador (Bonillas) to Washington for the purpose of studying American methods in higher education. "*Los lazos culturales y educativos son los más fuertes*" (no ties so strong as those of culture and education), said that ambassador lately; and for the ties which he desires to join between the United States and Mexico we wish strength and permanence.

CAPE OF GOOD HOPE.

We have hesitated to report from the United States dissuasions against the closing of schools during epidemic influenza. The Cape of Good Hope *Education Gazette* (xix, 2), seems to be, however, on the same side. Anticipating not another great out-

break, but milder and smaller waves of the disorder, it writes:—"To close schools in order to limit or prevent the spread of such smaller waves of the disease is not only futile, but tends rather to promote the outbreak by dispersing carrier cases and by withdrawing all supervision from school-going children. This is even more probable if churches, Sunday schools, bioscopes, and, in fact, all places where children congregate, are allowed to remain open. The only way in which school closure can succeed as a preventive measure is by limiting the contact of children who live far apart and who are brought together, from different areas widely separated from each other, at a common centre; it is, therefore, only in small country schools that closure as a feasible preventive measure need be discussed. In town schools closure is useless, a waste of money and of educational facilities, an interruption of the normal routine of the child's life, and a sure means of engendering panic among the public and promoting a scare. Unless all places of public entertainment are closed at the same time, and the children of school-going age kept rigidly isolated at home—a policy which it is almost impossible to enforce in large towns—school closure by itself will not succeed in stamping out the outbreak or in preventing its extension in the district where such closure has been enforced." We incline to think that no general rule can be laid down; but that the decision as to the closing of a school should be based on the opinion of the medical authority in each separate case.

It will surprise Berlin. The Report of the Superintendent-General for the year 1918 shows that during the war the number of schools for Europeans in the Cape Province rose from 2,266 to 2,840, whilst the enrolment improved and the average attendance of pupils was very satisfactory—93.5 per cent. in secondary schools and 91.2 in primary. Thus German intrigue and domestic rebellion dealt no grave wound to education. The School Board Act of 1905 exempted from school attendance children who had passed Standard IV; the time is ripe, says the Superintendent-General, for raising the limit to Standard VI. The method of inspecting schools will soon be radically changed. It has been laid down in the recently issued primary school curriculum that individual examination, except in small schools or where several classes are grouped under one teacher, is to be replaced by class inspection if, "by means of a continuous record of good work and other trustworthy evidence of efficiency," the inspector is satisfied that the school is well conducted. Again, the Cape manifests no love of external examinations, being minded to leave examination to the school authorities. By whomsoever the children are inspected or examined, the Cape Education Department would have them, above all, healthy, and the year 1918 saw the commencement of medical inspection in the schools. In the domain of secondary education, a certain elasticity is aimed at—different schools to offer different courses according to local requirements. The Report indicates as of central importance in education religious and moral instruction, with lessons on the duties of citizenship. It disparages the long study of Greek and Latin, and to do so seems to be the tendency in all the Dominions. Rightly or wrongly, they regard *Classicism as hereditas damnosa*.

The provision of a sufficient number of teachers has been a constant source of anxiety in the Province. The difficulty as to quantity has been overcome by systematic organization; the quality of the teaching body is still capable of improvement. Unilingual teachers are being helped to obtain a bilingual certificate. In Europe, primary teachers are seeking access to the University; the Cape Superintendent-General writes: "It is very strongly felt that the Universities should devote their time and attention to the training of higher grade teachers, and should leave the training of elementary or primary teachers to the Departments in charge of education other than higher." We make no comment. It is the essence and the glory of our imperial citizenship that social and educational problems are solved locally.

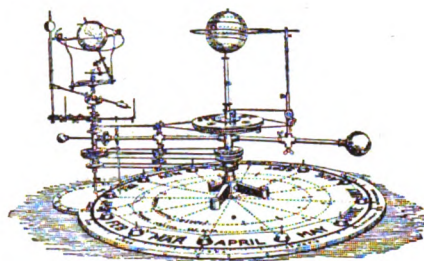
RHODESIA AND THE OVERSEA TEACHERS' MEMORIAL.—The League of the Empire has received a grant of £500 from the Government of Rhodesia towards the inauguration of a headquarters in London for oversea teachers coming to this country for educational experience or for study. The building is, it will be remembered, to be erected in commemoration of the teachers' services in the war. Subscriptions may be sent to Sir Philip Hutchins, K.C.S.I., Office of the League of the Empire, 48 Catherine Street, Buckingham Gate, S.W.1.

DEMONSTRATIONS HAVE BEEN GIVEN BEFORE NEARLY 100
ASTRONOMICAL-EDUCATIONAL & SCIENTIFIC SOCIETIES.

The NEW ASTRONOMICAL MODEL

*Specially Designed
for use in
Schools & Colleges.*

INVENTOR, PATENTEE & SOLE PROPRIETOR
WILLIAM WILSON, M.B. CM. FRAS



EDUCATIONAL CAPABILITIES OF THE MODEL.

THE MOTIONS OF THE HEAVENLY BODIES REPRODUCED BY THE MODEL.

THE EARTH.—Yearly revolution round the Sun—Diurnal rotation on its axis—Inclination of the Earth's Axis ($66\frac{1}{2}^\circ$ to the Ecliptic)—Constant direction of the inclined axis to one point in the heavens, the Pole Star.

THE MOON.—Monthly revolution round the Earth—(Calendar, Synodic, and Sidereal Months)—Monthly rotation on its axis—Moon's orbital plane oblique to the Ecliptic—Moon's constant presentation of the same side to the Earth—Moon's shadowed side necessarily away from the Sun—Moon's shadow cast into space and under certain conditions travelling across the Earth's surface.

MOON'S ORBIT.—Retrograde revolution of the Moon's Nodes, completing one Sidereal revolution in 18 years 219 days and one Synodic revolution in 346 days—The forward revolution of the Moon's Apes completing one Sidereal revolution in 8 years 310 days, and one Synodic revolution in 412 days.

THE SUN.—Rotation of the Sun on its axis once in 26 days—The inclination of the axis—The constant direction of the axis to one point in the heavens.

NATURAL PHENOMENA CAPABLE OF DEMONSTRATION BY THE MODEL.

The Year (Solar and Lunar)—The Month (Calendar, Synodic, and Sidereal)—The Day—Alternation of Day and Night*—The Succession of the Seasons (Solstices and Equinoxes)—The Phases of the Moon—Eclipses (Solar and Lunar, Total, Partial and Annular)—The Solar and Lunar Eclipse Limits (Major and Minor)—The limitation of Eclipses to definite periods of the year—The variation in position of these periods from year to year—The maximum and minimum number of Eclipses possible in any one year—The "Saros" or Chaldean Cycle of 18 years and 11 days, comprising 70 Eclipses, after which Eclipses repeat themselves in the same order and at the same intervals—The Metonic Cycle—The Midsummer 24-hour day within the Arctic Circle—The Midwinter 24-hour night within the Arctic Circle—The Harvest Moon—The Hunters' Moon—"The Old Moon in the New Moon's Arms," &c., &c.

* The varying lengths of day and night throughout the year.

The accuracy in the time relations of Earth, Moon, Nodes, and Apes is shown by the fact that—

THE MODEL IS CAPABLE of predicting for at least twenty years to come the solar and lunar eclipses and of differentiating these into total, partial, and annular.

THE SIZE OF THE MODEL can easily be judged from the illustration when it is stated that the Cloth Dial underlying the Model is 3 ft. 6 ins. in diameter. This large size of the Model renders the various movements and phenomena easily visible to a large audience, and yet, when not in use, the model can easily stand in any ordinary bookcase or cabinet from which two shelves have been removed, as the space required from back to front is only 10 ins.

DEMONSTRATIONS have been given in response to invitations, before nearly 100 Astronomical, Educational, and Scientific Societies, including:—

Royal Society.
Royal Institution.
Royal Observatory, Greenwich.
Royal Society of Edinburgh.
Royal Astronomical Society.
British Astronomical Association.
British Association.
Universities.

Training Colleges.
Technical Colleges.
L.C.C. Education Committee.
Head Masters' Conference.
Science Masters' Association.
Geographical Association.
Education Authorities.

And many Public, Secondary, and Elementary Schools.

LETTERS OF APPRECIATION have been received from a great many leading Astronomers and Educationists who have seen the model demonstrated, the former including Sir Frank Watson Dyson, Astronomer Royal, Royal Observatory, Greenwich, and the Directors of the University Observatories respectively of Oxford and Cambridge; the latter including Sir Oliver Lodge and Principals, Professors, Head Masters, Geography Masters, and Science Masters of Universities, Training Colleges, and Public Schools, and Inspectors of Education. 20 of these letters of appreciation will be found in the pamphlet mentioned below.

Alexander Morgan, Esq., M.A., D.Sc., F.R.S.E.,

Principal, Provincial Training College, Edinburgh.

The members of our Staff and the Students of the College were immensely impressed by the demonstration you gave of your New Astronomical Model. We were particularly struck by the completeness of the model. There is hardly an Astronomical phenomenon that cannot be demonstrated by means of it. The movements are shown with an accuracy which is not approached by any one of the many models I have seen. The beautifully simple contrivances by which the various motions are produced are, in my opinion, a triumph of mechanical genius. Some of our lecturers have been trying to demonstrate the same phenomena for years, and they are loudest in their praise of the marvellous simplicity and completeness of your model. If it can be placed on the market at a price within the reach of Educational Authorities I think it ought to form part of the equipment of every Secondary School and of many Colleges in which the motions of the Sun, Moon, and Earth are taught.

ORDERS HAVE BEEN RECEIVED from University Professors of Astronomy, Training and Technical Colleges, London County Council Education Committee and other Educational Authorities, Public Schools, as well as from many private individuals for presentation to schools in which they are interested.

For full particulars see the 16-page Illustrated Pamphlet, post free 6d., obtainable from—

Dr. WILLIAM WILSON,
43 Fellows Road, London, N.W.3.

For forthcoming Demonstrations of the Model see page 818.

UNIVERSITIES AND SCHOOLS.

OXFORD.

The Ministry of Labour have an office at Oxford, whose function is to assist ex-Army officers in obtaining suitable employment. The University Appointments Board have for some years been engaged in placing graduates in posts of all descriptions—scholastic and otherwise. They have, for instance, acted as Government agents in choosing men for Civil Service appointments in Egypt and the Sudan. Their chief drawback, which has prevented them from extending their activities, has been a lack of funds, their income being round about £500 a year. As their Secretary, Mr. Waterfield, has just retired, it has been suggested that the present would be a suitable time to combine the two offices under conditions which would permit of an extensive development of appointments work in connexion with the University.

It had been proposed that the University should go to Parliament to seek powers to enable them to grant degrees to women. The Sex Disqualification Act will obviate any need for this.

The position so far as compulsory Greek is concerned is, at the time of writing, still obscure. Congregation is asked to accept the again introduced Responsions Statute which contains provisions permitting amendments. Of these, two seem likely to be seriously discussed—one, urged by Prof. Gilbert Murray, that there should be exemption from Greek for passmen and those taking honours in science and mathematics; the other, a partial abandonment of the compulsory Greek position by the dividing of the subject into four compartments, two only needing to be taken, and one of these consisting of the study of a Greek book in an English translation. Compromise is in the air. Delay is to be deprecated, for at present the teacher does not know definitely what to work for.

CAMBRIDGE.

The report of the Previous Examination Syndicate to the Senate is of interest to teachers in secondary schools, since it means an approach, however modest, to uniformity in examinations; it brings the Previous more nearly into line with School Certificate Examinations. Its chief features are: that Part II shall contain only three papers, two in mathematics and one in natural science,

each of the mathematical papers containing questions on arithmetic, algebra, and geometry, one paper being more elementary than the other, and the present science syllabus being slightly altered; and that a candidate who has obtained a school certificate from a University Examining Body approved by the Board of Education shall be exempted from Part II if he has passed with credit in elementary or higher mathematics, or in physics and chemistry, or in either of these. It must be noted that the report recommends that these alterations shall not come into force until after January 1, 1921.

The Royal Commission to inquire into the application of these Universities for assistance from the State has been appointed, and its terms of reference include an inquiry into the resources of the Universities themselves, and of their colleges and halls, and into the administration of those resources. The Committee will also consider the general government of the Universities and the inter-relationships of the colleges and halls with each other and with their parent Universities. The Chairman is Mr. Asquith, and that the Commission is strong its personnel very clearly shows. The Commission is a unit, but its parts may sit as three separate committees. Chairman of Commission: Mr. H. H. Asquith. Oxford Committee: Mr. Asquith (Chairman), Lord Chalmers, Sir John A. Simon, the Very Rev. T. B. Strong, Sir H. A. Miers, Prof. W. H. Bragg, Prof. W. G. S. Adams, Miss Emily Penrose, and Mr. Albert Mansbridge. Cambridge Committee: Mr. G. W. Balfour (Chairman), Mr. Arthur Henderson, M.P., Sir W. M. Fletcher, Sir Horace Darwin, Mr. G. M. Trevelyan, Dr. H. F. Anderson, Miss B. A. Clough, Dr. M. R. James, and Prof. A. Schuster. Committee on Estates Management: Lord Ernle (Chairman), The Hon. Edward Strutt, Sir H. Frank, Sir J. H. Oakley, and Mr. H. M. Cobb.

WALES.

At a Council meeting, held at Aberystwyth, on November 10, Mr. J. H. Davies was appointed Principal in succession to the late Mr. T. F. Roberts. The question of the principalship had been discussed very widely, and the merits of the three selected candidates had been much canvassed. This is partly due to the hold which Aberystwyth, as the oldest of the three Welsh colleges, has

(Continued on page 816.)

PITMAN'S BOOKS

MODERN
LANGUAGES.

COMMERCE.

SCIENCE.

NEEDLEWORK.

ETC., ETC.

Write for a Complete List of Educational
Books post free from

SIR ISAAC PITMAN & SONS, LTD.,
1 Amen Corner, London, E.C.4.

THE PROGRESSIVE FRENCH GRAMMAR.

By Dr. F. A. HEDGCOCK.

A New French Grammar by a well-known authority on the language. The method is a combination of the direct with the indirect, and in order to give teachers an idea of the style of the book 16 specimen pages will be sent for inspection to all interested. Complete book, 5s. 6d. net. Also in two vols.: Part I, 3s. 6d. net; Part II, 2s. 6d. net. Key, 3s. 6d. net.

FRENCH FOUNDATION BOOK OF VERBS, ACCIDENCE, AND SYNTAX.

By the same Author. In crown 8vo, 91 pp., 1s. net.

THE ELEMENTS OF BOOK-KEEPING.

By W. O. BUXTON, A.C.A. (Hons.).

A book for beginners—fully explanatory. Cloth, 1s. 6d. net.

PITMAN'S SHORTHAND RAPID COURSE.

The latest text-book of the world's best system. Gives the theory in 20 simple lessons. Cloth, 2s. 6d.; or with additional exercises, 4/-.

HEAT, LIGHT, AND SOUND.

By J. R. ASHWORTH, D.Sc.

An introductory course of practical exercises. With numerous Illustrations. 2s. 6d. net.

EMBROIDERY AND DESIGN.

By JOAN H. DREW.

This book arouses new interest in the subject. Many illustrations are given, and the designs are the right size for tracing and working. Cloth, with 82 Illustrations. 3s. net.

DRAWING AND DESIGN.

By SAMUEL CLEGG.

A school course in Composition. Lettering and pen and ink drawing are included, and a special feature of the book is coloured plates printed by scholars from wood-blocks of their own making and designing. Profusely illustrated. 10s. 6d. net.

THE WANTS OF MAN.

By T. H. BOWTELL, M.A., B.Sc., M.Ed.

A simple introduction to the problems of Economic Science. Cloth, 210 pp. 2s. 6d. net.

THE TRIUMPH OF MAN.

With 130 Illustrations. A reading book for boys and girls from 12 to 16 years old. Contains a simple account of wind, water, steam, and electricity and their applications; of iron and steel and their uses, &c. 2s. net.

The First Really New Atlas for
FIFTY YEARS.

The Times
SURVEY ATLAS of the WORLD

With a completely original

GENERAL INDEX

*of over 200,000 names arranged so as to render
reference to the Maps quick, easy, and certain.*

Prepared at the Edinburgh Geographical Institute under the Direction of
Dr. J. G. Bartholomew, LL.D., F.R.S.E., F.R.G.S., Cartographer to the
King, and Victoria Gold Medallist of the Royal Geographical Society.

Dedicated by permission to His Majesty the King.

The 112 entirely new Plates engraved specially, at immense cost, for this
Work, provides a series of superb and authentic Maps which incorporate
not only the latest National Surveys of all Countries, but also the results
of the Special Surveys and Researches of Travellers, Exploring Expeditions,
&c. The Territorial Re-distributions ordained by the Peace Conference are
also clearly shown in great detail. These features together with the unique
system of Orographical Colouring employed throughout the work, render
this Atlas the most modern, clear, accurate and complete hitherto published
in any country, and ensure its place, for at least a generation to come, as
THE STANDARD REFERENCE ATLAS OF THE WORLD.

In 37 Fortnightly Parts
at 2/6 each.

Part 1 on January 9th next

*The FULL PROSPECTUS of this magnificent
work will be sent post free on application to*

THE PUBLISHER,

**PRINTING HOUSE SQUARE,
LONDON, E.C. 4.**

always had on the imagination of the Welsh people, as well as to the importance of a right selection to the post at this critical juncture in University development in Wales. Mr. J. H. Davies will be able to bring to bear upon his work a wide experience of the working of the Welsh educational system. The new Principal is well acquainted with our intermediate school system, as he has been a prominent member of the Executive Committee of the Central Welsh Board for some years, and his knowledge of secondary education has been recognized by his appointment to the Committee which is now inquiring into the effect of the new Act in Wales.

The half-yearly meeting of this Association was held at Shrewsbury on October 31 and November 1. The most important question discussed was the policy which the Association should advocate before the Departmental Committee on Secondary Education, and, after a long debate, something like unanimity was reached on most of the points submitted to the consideration of the Association by its Executive Committee. The Association is naturally anxious to preserve our present autonomy in educational matters, as it is convinced that, if it is impaired in any way, the schools will lose in efficiency and Wales will not retain its interest in the development of education. The problem with which the country, however, is at present confronted is awkward, and its solution is far from being clear, for it is uncertain how far the Fisher Act affects the Welsh Intermediate Education Act of 1889. As yet there has been no pronouncement on this question. Further, under the recent Act the power of combination among counties is limited, and therefore it is difficult to see how it will be possible, without special legislation, for the Central Welsh Board to come within its four corners. But if, by the operation of the Act, the Central Welsh Board is abolished and it also becomes impossible to create another body with somewhat similar powers of control over secondary education, then it is certain that Wales will be perturbed and disappointed. Of course we may be told that we have only to wait for a duly developed scheme of devolution before we can re-establish our local control over education; but, as it may be many years before this is in operation, Wales is anxious to know what is to happen in the meantime. The Association of Head Masters and Head Mistresses, any way, felt strongly that the present distinctive features of our secondary system should not be interfered with, even temporarily.

Welsh County Schools Association.

as it would be a serious setback to the country to lose its present autonomy. It was also unanimously agreed that every effort should be made to retain the presence of teachers on the Central Authority, whatever its future constitution may be, and resolutions were passed bearing upon the functions of Education Committees and Local Governing Bodies, and the relationships of different types of schools. The President (Mr. Lyon), the Honorary Secretary (Mr. D. E. Williams), Mr. Prytherch (Penygroes), and Miss Collin (Cardiff), were selected to prepare evidence on behalf of the Association before the Commission.

At one of the Sessions, Prof. Walford Davies gave a delightful and stimulating address on Music, which was much appreciated. At its close, questions were asked, and difficulties in connexion with the formation of school choirs and the teaching of music generally in schools were discussed. It was ascertained that the Council of Music, in order to help in the solution of these problems, is preparing a series of primers, which should be most useful; and other measures are contemplated by Prof. Davies towards the improvement of music, both in schools and in the country as a whole. At the University College, for instance, a series of educative orchestral festivals have been started. The London Symphony Orchestra and the Hallé Orchestra have been engaged for some of these concerts; and it is further proposed by the Council of Music to arrange for similar treats at the other constituent colleges.

The first of a series of conferences for the discussion of the questions submitted by the Departmental Committee on Secondary Education was held at Cardiff Technical College, on November 14.

An Education Conference.

Sir Isambard Owen dealt with the question of the formation of the best system of inspection for all secondary schools and the relation of this system to the State, the Central Welsh Board, the University, and the private schools. The question of the co-ordination of the different types of schools and public institutions was treated from various standpoints by Mr. Rhys Morgan, Principal Trow, Mr. D. Lleufer Thomas, and Mr. Ingledew. Other problems, such as the curriculum, further provision of facilities for secondary education, the position of the Welsh language, and scholarships, were also discussed. The deliberations of the Conference must inevitably affect the future of Welsh education seriously, and they will, no doubt, be of value to the Commission.

(Continued on page 818.)

J. M. DENT & SONS, LTD.

ELEANOR FARJEON'S NEW BOOKS

A First Chap-Book of Rounds

A Second Chap-Book of Rounds

With Music by HARRY FARJEON
Notation and Script by WINIFRED HOW
and Line Decoration by J. GARSIDE
1s. net each

Singing Games for Children

Fully illustrated in colour and line by
J. LITTLEJOHNS, R.B.A.
6s. net

Among the titles of these twelve games are the following :—
OLD GOODMAN TIME—WAYLAND, WAYLAND, SHOW ME MY MARE—
THE GREEN CAP—CROOK OF GOLD—GYPSY, GYPSY, RAGGETTY
LOON—THE WONDER STAR.

FOR THE PRIZE LIST AND THE STORY HOUR

A Chinese Wonder Book

Folk Tales of China retold for Young Children by
NORMAN H. PITMAN
Illustrated in colour by LI CHU-T'ANG
7s. 6d. net

ALDINE HOUSE, BEDFORD STREET, LONDON, W.G. 2

"A contribution to educational historical thought." — *The Times*.

THE MANCHESTER GRAMMAR SCHOOL, 1515-1915.

A Regional Study of the Advancement of Learning in
Manchester since the Reformation.

BY

ALFRED A. MUMFORD, M.D.

With Illustrations. 8vo. 21s. net.

"The life of a school is shown historically to be part of the great synthesis of actions and reactions of individuals from near and far, and of civic, national groups, spreading out into connexions beyond the nation." — *The Times*.

LONGMANS, GREEN & CO.,
39 Paternoster Row, London, E.C.4.

Wolsey Hall, Oxford



50 TUTORS AND DIRECTORS OF STUDY
All University Graduates with highest honours
selected primarily for their **TEACHING ABILITIES**

□

TUITION BY CORRESPONDENCE

LONDON UNIVERSITY	LAW EXAMINATIONS
OXFORD, CAMB., DUBLIN	TEACHERS' EXAMS.
DURHAM UNIVERSITY	GENERAL EXAMINATIONS
THEOLOGICAL EXAMS.	INDEPENDENT STUDY

□

RECOMMENDED BY UNIVERSITY AUTHORITIES
AND EXAMINERS THEMSELVES
(See Prospectus)

□

PROSPECTUS (Please state Exam.) **POST FREE**
from the REGISTRAR, WOLSEY HALL, OXFORD

If you wish to
qualify to teach
SHORTHAND,
BOOK-KEEPING AND ACCOUNTANCY,
COMMERCIAL PRACTICE,
ADVERTISING, PRACTICAL BANKING,
COMMERCIAL LAW,

you can do so
in your spare time
by means of

PITMAN'S POSTAL COURSES.

The postal tuition meets exactly the requirements of teachers who are unable to secure oral training, or who desire to pursue the study of commercial subjects at home. One course, or any group of subjects, may be taken at any time, the lessons commencing from any stage of present knowledge. Write for details, stating the subjects in which you are interested.



169 SOUTHAMPTON ROW, LONDON, W.C.1.

PRINCIPAL
FREDERICK HEELIS,
F.R.S.A., F.C.I.S.

DIRECTOR OF STUDIES
ROBERT W. HOLLAND,
O.B.E., M.A., M.Sc., LL.D.

The Times EDUCATIONAL SUPPLEMENT

A COMPLETE EDUCATIONAL
NEWSPAPER AND REVIEW

Published every Thursday

ORDER TO-DAY

Annual Subscription by Post:

10s. 10d. INLAND

13s. ABROAD

from

THE PUBLISHER, PRINTING HOUSE SQUARE,
LONDON, E.C.4

Or from ALL NEWSAGENTS & BOOKSTALLS

PRICE 2d.

A free Specimen Copy will be sent to any Teacher who sends a post-card to the Publisher

CADET CORPS UNIFORMS

WE SPECIALIZE IN THESE,

And **OUTFIT** numerous Public School Officers' Training Corps and Cadet Corps, including the following:—

Harrow, Haileybury, Clifton College, Cheltenham, Tonbridge, Wellington (Berks), Wellington (Salop), Wellington (Somerset), Oxford University, Felsted, Trent College, Brighton College, Aberdeen University, Sheffield University, University of Wales, St. Bees School, &c., &c.

Estimates and Patterns of Cloth will be forwarded FREE of charge to any School requiring Uniforms.

HOBSON & SONS (LONDON) LTD.,

ARMY OUTFITTERS.

Manufacturers of every description of

Uniforms, Head-dresses, Accoutrements, Laces, and Embroidery for Officers and Rank and File.

Address inquiries to:

154-164 TOOLEY ST., LONDON, S.E.1.

Head Office:

1, 3 & 5 Lexington Street, Golden Square, London, W.1.

TELEGRAPHIC ADDRESSES.

Head Office: "Hobson Reg, London."

Tooley Street: "Arnilustro Tooley, London."

TELEPHONES.

Regent 56 (2 lines).

Hop 680 (2 lines).

sioners in arriving at their conclusion. A similar Conference will be held in Swansea at the beginning of January.

The agitation for increase of salaries has not yet subsided, in spite of the increases which have been granted. It is evident that so long as the present diversity of scales exists in the different counties, there will be unrest among a section of teachers. For example, the Carmarthenshire teachers complain that they are paid worse than in the neighbouring county of Glamorgan, and a request has been sent to the Education Committee for the adoption of the more generous scale given in Glamorgan, but, so far, this has not been granted. Even in Glamorgan there has been a demand from the assistant masters and mistresses for an increase in the maximum up to £500 instead of £450, but this has been refused. Cardiff and Cardiganshire are also faced with the salary difficulty. It would therefore seem to be essential that some more efficient method of dealing with this problem should be substituted for the present haphazard system. Most probably the best solution is the adoption of a national scale throughout the whole of Wales, and this seems to be the plan most generally approved by the teachers.

SCOTLAND.

The numerous changes which have taken place in the higher educational posts in Scotland during the present year are reflected in the composition of the new Executive Committee of the Educational Institute. Last year's Executive was sometimes criticized on the ground that it was "too old." This year's Executive is at the other extreme: it is doubtful whether it is old enough. Men of weight like Prof. Strong, Dr. Morgan, Dr. Third, and Mr. MacCallum, are no longer in its membership, and their places have been taken by less experienced men. The alteration in personnel, however, is not without its advantages. Last year there were three women teachers and three men class teachers on the Executive: this year there are five women and six men class teachers. The result is that, for the first time in its history, the business of the Institute will be conducted by a body on which head masters are in the minority. This fact may perhaps help to reassure the assistant teachers who are protesting against the Minimum National Scales, and threatening to secede because their interests have not received

proper attention in the past. Whatever its business qualities, the new Executive will not be open to the charge of not representing the views of the ordinary members of the profession.

Educational Research.

The formation of a Special Committee for the initiation and conduct of educational research, at the instance of the Institute Council, has been hailed with general approval. Most teachers are rather tired of the constant preoccupation with the salary question to which they have been condemned by the circumstances of the times for the last two or three years, and there is a widespread desire to get on with proper professional business. The movement for the promotion of research work in education is consequently a timely one. It still remains to be seen whether it will be possible for the Committee to carry the profession with it in this matter. Much will depend on the character of the problems chosen for investigation. The Convener of the Committee is Dr. William Boyd, Lecturer on Education in Glasgow University. The Committee, it is expected, will include as co-opted members various experts in educational experiment.

Training College Administration.

A complete reconstitution of the system of training-college government is impending, in consequence of the provision in the Education Act which makes the financing of the colleges a direct charge on the Education Authorities. The details of the scheme are still under discussion. Regarding the need for a different system there is widespread agreement. The training colleges under the nominal control of the four Provincial Committees and the real control of the Education Department, while more efficient than the Church colleges they superseded, have been disappointing on the personal side. There has been a considerable amount of discontent, both among students and among lecturers. It is specially rife among the latter at the present time. The immediate cause is inadequate salaries, but behind the dissatisfaction on that score is the objection to a system which permits the Education Department to disregard the views of the Provincial Committees and to pay less than the Committees consider reasonable. The Edinburgh Committee, on a recent occasion, for example, were of opinion that a lecturer on science whom they were appointing should receive not less than £350. The Education Department vetoed the proposal as involving excessive expense.

(Continued on page 820.)

ELIJAH JOHNSON, Bookseller, 30 Trinity Street, Cambridge.

Supplies School Prizes, School Text Books, and other School requisites. He also deals largely in *Second-hand Books*, and will be glad to report prices at any time. Best offers made for suitable *Second-hand Books*, either libraries, or single copies, to those wishing to dispose of them.

LA PETITE REVUE

(Rellance Press, London.)

Do your Pupils take it? Vol. IV:

News, Competitions, Plays, Jokes. For boys and girls. Parcels, post free, ~~three~~ times a term at the rate of 6d. per pupil, and pro rata. Supported by many educationists.

15 Jan. } 1920. 1 Scènes de nos Lecteurs. Articles
15 Fév. } par Prof. A. GAYDOU, B.A., B.D.,
15 Mars. } et Prof. L. LODGE, B.A.

ANECDOTES DE NOS LECTEURS, &c.

Specimens free, and "Opinions."

H. J. PURKISS,
THE KING'S SCHOOL, GRANTHAM.

NOTICE.

Increase in price of back numbers of
"The Journal of Education."

Copies of *The Journal of Education* over twelve months old are now charged **double price**, and those more than three years old, **treble price**. For a list of Numbers, Volumes, and Binding Cases, still in print, apply to the Publisher:

Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

THE NEW ASTRONOMICAL MODEL

DEMONSTRATIONS

of the Educational Capabilities of the Model will be
given by Dr. WILSON at

UNIVERSITY COLLEGE, GOWER STREET,
LONDON,

Every day during the

EDUCATIONAL CONFERENCE

(Jan. 1 to 10 inclusive).

Members of the Affiliated Societies are invited to be present.

Non-members, in accordance with the rules of the Conference, will be asked to pay One Shilling to the Conference Secretary on entry.

For Illustration and further particulars, see page 813.

EDUCATIONAL JOURNALS Kept in Stock.

School World. Educational Review. Modern Language Teaching. The Journal of Education. Educational Times. Practical Teacher. Child Study. Child Life. Child Monthly. Modern Language Review. School. The Pädagogist. Modern Language Quarterly. The Record of Technical and Secondary Education.

MR. JOHN DAVIS (successor to Mr. THOMAS LAURIE),
13 PATERNOSTER ROW, LONDON, E.C.4.

Some other book advertisements will be found on page 778.

MODERN CORR. COLLEGE.

Graded Courses.

MATHS.

LANGUAGES.

SCIENCE.

LITERATURE.

MUSIC.

FAILURES

converted into

SUCSESSES.B.A., B.Sc.,
Mus. Bac.A.C.P., L.C.P.,
L.L.A.

Froebel.

Oxford & Camb.
Locals.L.R.A.M.,
A.R.C.M.

A.Mus.T.C.L.

**GUARANTEE COURSE—For one fee.
Tuition until successful.**ARTHUR McALISTER, B.A. (Cantab.),
"St. MORITZ," ILKESTON ROAD, NOTTINGHAM.**SAVE 50% of your TIME**

by ordering your NEW BOOKS
through Mr. John Davis, who can
always secure good second-hand
copies of manuals out of stock
at the Publishers.

Extract from letter dated October, 1918:—"I am preparing a
further order for you, as I am well pleased with your past efforts to
secure for me what I wanted, and with your invariable courtesy."

MR. JOHN DAVIS,

Successor to Mr. Thomas Laurie,

13 PATERNOSTER ROW, LONDON, E.C.4.

FOR A SELECT LIST OF
RESIDENTIAL AND
HOLIDAY QUARTERS

See page 778.

**EDUCATIONAL BOOKS
PRE-WAR PRICES.**

CATALOGUES FREE.

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.**"THE JOURNAL OF EDUCATION
AND SCHOOL WORLD,"
MARCH and MAY 1919.**

One Shilling each offered for copies in fair condition.
London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

NATURE STUDY.

Birds and small animals mounted for painting studies. British
and tropical Lepidoptera, &c., mounted in neat glazed cases.
British Lepidoptera reproduced on silk, set of 50 different, 4s.
50 new copies of Ward's "Life Histories of Familiar Plants"
(now out of print), 86 fine photo plates, published 6s., 3s. 6d.
Cassell's "Nature Study Book," 6 vols., hundreds of plates, &c.,
35s. Lists.—A. FORD, 36 Irving Road, Bournemouth.

**The Teachers' Guild of Great Britain
and Ireland,****9 BRUNSWICK SQUARE, LONDON, W.C.1.**

NOTICE is hereby given that the Thirty-sixth
ANNUAL GENERAL MEETING of the Teachers'
Guild of Great Britain and Ireland will be held
at University College, Gower Street, W.C.1, on
Thursday, January 1st, 1920, at 10.30 a.m., for
the transaction of the following business:—

1. To receive the Annual Report of the Council.
2. The election of a President.
3. The election of a Treasurer.
4. The election of eight general Members of the Council.
5. The appointment of an Auditor.

ALBERT EHRHARDT,
General Secretary.

At the conclusion of the Annual General Meeting, the retiring
President, Canon J. H. B. Masterman, will deliver an Address.

**The Journal of Education
and School World**

BOUND VOLUME FOR 1919
will be ready at the end of the year.

THE PRICE OF THIS VOLUME IS **12/-**.

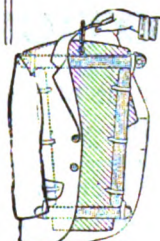
BINDING CASES, 4/-.

Certain of the previous volumes can still be obtained;
1918, price 12/-; 1917 and earlier dates, price 10/6 each.

A list of those in print will be furnished on application to the Publisher.

Binding Cases;—1918, 4/- each; for 1917 and previous
Years, 2/6 each.

London: MR. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

A FINE GIFT**For your chum (or yourself).**

Saves enormously—lasts endlessly.
The lightest, handiest and most effective
Trouser Press ever invented.

"ALPHA" PORTABLE.

Perfect creases in a night.

Weights 20 oz. Packs into 2½ in. by 2 in. by 3 in.
Hangs in wardrobe when in use.

No. 1 (post free) - - - 7/-

No. 2 (Press and Suit Hanger
combined) - - - 8/6

(Post free U.K. France 6d. extra.)
Cross Cheque or P.O. "London Joint City and
Midland Bank."

**MAY & CO. (Dept. 10) 3 TUDOR STREET,
LONDON, E.C.4.**

diture. The incident is characteristic, and helps to explain the unhappy spirit animating the training-college staffs. With governing bodies enjoying greater freedom and responsibility, the trouble would probably not have arisen. The change cannot come too soon.

The movement for a closer co-ordination of the training colleges and the Universities makes steady progress. The Edinburgh Training College Authorities do everything possible to encourage all their students, including those taking the two-years' course, to go to the University for some of their subjects, and make it easy for post-graduation students and those taking a four-years' course to work for the Education Degree. The arrangement, just instituted in Aberdeen, by which training-college students all go to the University for Education and English, is an even more important step in the right direction. It is a partial anticipation of the recommendation made by the Scottish Education Reform Committee that teachers in training should take as much of their course as possible (especially in cultural subjects) in the Universities instead of attending special classes in the training colleges.

The opening of the first session after the war has been marked by unusual features. In all four Universities an unprecedented number of new professors have been delivering inaugural addresses. Some of them are the first occupants of chairs created to meet the needs of the times in science and commerce: others represent appointments held over till the return of peace. Students, back from the Army and Navy, have come forward in embarrassing numbers, and there is a record enrolment in all the centres. In Edinburgh over four thousand students have matriculated, and the number in Glasgow is reported to be nearly as great. The difficulty caused by their return has been felt most in medicine and science, where the numbers are limited by laboratory accommodation. Preference has been given to ex-Service men at the expense of those who would normally have come in this year.

The students in Glasgow and St. Andrews have elected their new Lord Rectors. In Glasgow Mr. Bonar Law was at the top of the poll with 1,073 votes, against Prof. Gilbert Murray, the Liberal candidate, who had 726 votes, and Mr. Bertrand Russell, the Socialist candidate, with 80 votes. In St. Andrews, Sir James

Barrie (a graduate of the University) has been elected Lord Rector, having received 283 votes as against 139 for the Marquis of Bute.

The answers given by the Scottish Secretary in Parliament to the questions of Mr. MacCallum Scott regarding Parliamentary grants to the Scottish Universities show that the Government are taking a large and generous view of their obligations in the matter of higher education. In addition to payments under the Act of 1889, &c., emergency grants to a total of £131,500 have been made. Of this sum £54,500 is non-recurrent, being intended to help in making good the arrears consequent on deferred expenditures in war time: £77,000 is recurrent and is given (among other things) for the readjustments made necessary by the changed value of money, and therefore specially for salaries. The Universities have been left free to apply these special grants, and the manner of the allocation has not pleased everybody. The junior staffs complain that too much of the money given for the improvement of salaries has gone to the professors.

Edinburgh University Court have agreed to proceed at once with the establishment of a new Chemistry School at a cost of £250,000. £30,000 has been received from the business community for the endowment of a chair and a lectureship in connexion with the Faculty of Commerce in Edinburgh.

Mr. A. J. Balfour has been appointed Gifford Lecturer in Glasgow for 1920-21. This is his second term. His first course of lectures was delivered the year before the war.

M. Raymond Poincaré, President of the French Republic, who was elected Lord Rector of Glasgow University in 1914, has signalized the conclusion of his term of office by delivering an interesting address on the relations of France and Scotland, past and present.

IRELAND.

The one absorbing topic of interest during the past month has been the promised Education Bill for Ireland. The Chief Secretary declared that it would be introduced into the House of Commons as soon as the exigencies of Parliament permitted. Questions elicited that

(Continued on page 822.)

UNDERWOOD LANTERN SLIDES

FROM OVER 300,000 ORIGINAL
COPYRIGHT NEGATIVES, ILLUSTRATING EVERY SCHOOL SUBJECT.

SCIENCE, INDUSTRY, TRAVEL.

New Subjects constantly added.

State your needs to—

UNDERWOOD & UNDERWOOD, Ltd., 104 High Holborn, W.C. 1.

ARE YOU USING UNDERWOOD SCIENTIFIC STEREOGRAPHS?

They are of real service in the Visual Teaching of
**GEOMETRY, BOTANY,
GEOGRAPHY, ZOOLOGY,**
and kindred subjects.

Any School Textbook can be used.

Underwood Stereographs enable the Scholar to "See Nature with fresh eyes." Not mere pictures—but vivid vital reproductions of real places and objects, serving the same purpose as actual travel.

It is worth a post-card to inquire—

UNDERWOOD & UNDERWOOD, Ltd., 104 High Holborn, W.C. 1.

The Journal of Education and School World.

IMPORTANT NOTICE TO ADVERTISERS.

The revised scale of charges will come into force with the **January 1920** issue. Commencing with that number which will be the first of the 52nd year, the following rates will hold good:—

One page, £8. 10s. 0d.

Quarter-page, £2. 10s. 0d.

Half page, £4. 10s. 0d.

One-eighth page, £1. 5s. 0d.

Per inch in column, 12s. 6d.

School Announcements will be charged as follows:—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—9d. per line; minimum charge, 7s. 6d.

Posts Wanted or Vacant—30 words for 3s.; each 10 words after, 1s.; *prepaid rate*.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 4s. 6d.; each 8 words after, 1s.; *prepaid rate*.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

IMPORTANT TO TEACHERS

Who are eligible for
Pensions under the

TEACHERS' SUPERANNUATION ACT, 1918.

THE

FRIENDS' PROVIDENT INSTITUTION

With which is allied the Century Insurance Co., Ltd.,

has a carefully considered scheme to benefit those who may wish to retire earlier, but are not eligible for Pensions until age 60. —

Pension Schemes for Private Schools and all forms of Insurance are also arranged by this Office. —

All advice and particulars given on applying to

THE FRIENDS' PROVIDENT INSTITUTION,

42 Kingsway, London, W.C.2.

Aggregate Funds of the two Offices £5,000,000.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 785.

ART MISTRESS desires more VISITING ENGAGEMENTS at Schools—Broadstairs, Margate, Ramsgate, and district. Art, Plain Needlework, Embroidery. Experienced, qualified, registered. Testimonials and references from schools in district.—Miss **ELSIE BARLING**, 30 Victoria Avenue, Northdown, Margate.

LICENCIÉE Lettres (Anglais), Sorbonne Student (Paris), desires French post in Girls' School, University, or sea town. Taught England; good references. £80 res. or £180 non-res.—**Decormelle, Bernay (Eure), France.**

ENGLISH LADY (registered teacher) seeks post for next term. Thorough English, fluent French (Paris), elementary Spanish and Latin. Musical. Good experience, boys and girls.—Write to **L. MARSHALL**, Southwick, Sussex.

AS SENIOR ENGLISH MISTRESS (B.A., L.L.A., ex-Girton student). English, History, Geography, Latin, Mathematics, Botany. Experienced teacher. Good disciplinarian. Excellent testimonials.—**F. A. M., Hooper's, Ltd.** (Educational Agents), 13 Regent Street, S.W.1. Others. List gratis. Established 1881. Schools transferred. Partnerships arranged.

AS MUSIC AND FRENCH MISTRESS. Excellent teacher. Diploma for Piano, Violin, French. Can assist with English subjects, Kindergarten, Science. In or near London preferred.—**B. B., Hooper's, Ltd.** (Educational Agents), 13 Regent Street, London, S.W.1. Others disengaged. List gratis.

AS LANGUAGE MISTRESS. French Protestant Mistress. Diplômée, Nine years' reference (English School). Successful coach. Reliable. Conscientious teacher. German (Germany). Shares supervision.—**P. M., Hooper's, Ltd.**, 13 Regent Street, S.W.1. Introduction gratis.

Posts Wanted—continued.

CLEVER ANGLO-ITALIAN MISTRESS, accustomed to school routine. Speaks English, fluent French (France), Italian, Greek. Thoroughly modern method. Specially successful in promoting conversation. Keenly interested in pupils' progress. Res. or Vis. accepted.—**M. M., Hooper's, Ltd.** (Educational Agents), 13 Regent Street, S.W.1. Introduction gratis.

MATRON - HOUSEKEEPER seeks Re-engagement. School experience. Accustomed to management of staff. Good needlewoman. Pleasant, capable.—**S. S., Hooper's, Ltd.** (Educational Agents), 13 Regent Street, London, S.W.1. Many others. List gratis. Established 1881.

YOUNG FRENCH LADY, Mistress in English School, desires post in family for Christmas holidays. Apply—**Mlle MÉTAIS**, Knowle Hall, Bournemouth.

GYMNASTIC, GAMES, AND DANCING MISTRESS, fully qualified, would like to hear of some Visiting Posts in or around London. Patients for Massage and Remedial Gymnastics also visited. Apply—**Miss BOSWELL**, Sevenoaks Eaton, Norwich.

EXPERIENCED FRENCH MISTRESS of 27, the daughter of an officer, tall and healthy (Bachelière ès Lettres), requires post in January in a good school.—**Mlle GABRIAC**, 3 Selwyn Road, Eastbourne.

QUALIFIED French Young Lady wishes board and opportunity to improve her English, in exchange for French tuition.—**SIMON**, 126 Bd. Raspail, Paris.

MISS GEOGHEGAN, A.R.C.M., is pupil of Mr. Leonard Borwick, and has taken Teachers' Course in Dr. Yorke Trotter's method. Desires post, non-resident, Music Mistress, Newbury, Oxford, Reading. For further particulars apply—**Miss GEOGHEGAN**, George Hotel, Pangbourne, Berks.

BACON'S NEW SCHOOL CATALOGUE

JUST ISSUED.

Will be sent on receipt of a postcard.

It contains particulars of our forthcoming

**NEW WALL MAPS OF
EUROPE, AFRICA, ASIA, WORLD,**

which will be issued as soon as possible after the new boundaries are settled.

OUR WALL MAPS of THE BRITISH ISLES, ENGLAND, SCOTLAND, IRELAND, NORTH AND SOUTH AMERICA, CANADA, UNITED STATES, PANAMA, INDIA, AUSTRALIA, NEW ZEALAND, are unaffected by the Peace Terms and are ready for delivery now.

NEW PHYSICAL WALL ATLASES

of the British Isles, Europe, Asia, Africa, North America, South America, Australia, The World, each containing 7 Maps, cloth, cut-to-fold, eyeletted, in box, 34s. 8d. India, 8 Maps, 38s. 8d.

Customers may select four, or more, of our 185 Maps, measuring 30 by 40 inches, and have them mounted, cloth, cut-to-fold, at 5s. 6d. per Map.

SHILLING CONTOUR ATLAS. 32 General Maps, with Index and 4 Special Local Maps. Eight editions, with Local Maps covering England, Wales, and South Scotland.

THE MAP AND ITS STORY. A Physical and Economic Atlas, containing 44 Coloured Maps, with explanatory letterpress to each. Size, 10 by 12 inches, 1s. 3d. net.

HALFPENNY OUTLINE CONTOUR HAND MAPS FOR COLOURING.

G. W. BACON & CO., Ltd., 127 Strand, London, W.C. 2.

Posts Wanted—continued.

CLASSICS, DIVINITY, AND ENGLISH.—Class Teaching and Coaching for Examinations undertaken by Miss **BEGGS, M.A.**, Classical Tripos, Archbishop's Diploma in Theology, 122 Queen's Road, Wimbledon, S.W.19.

MUSIC MISTRESS (L.R.A.M.) requires Visiting Post in or near London. Pianoforte, Solo and Class Singing, Violin. Experience in good schools. Success in all Exams. Address—**HORSFORD**, 161 Tulse Hill, S.W.2.

WANTED, in January, by fully qualified and experienced Gymnastic Mistress, post as **GYMNASTIC AND GAMES MISTRESS** in or near London.—**E. BURMESTER**, 15 St. Andrews Mansions, Baron's Court, W.14.

AS SECRETARY to HEAD MASTER, willing to assist Matron, or other duties, if necessary. Six years' secretarial experience. Excellent references. Free in January.—**A. K. VAUGHAN**, Palfrey Vicarage, Walsall.

NON-RESIDENT or Visiting Post required in January by an experienced **MUSIC MISTRESS**, holding L.R.A.M. and A.R.C.M. Diplomas. Preparation for Examinations. Pianoforte Playing. Solo and Class Singing, Theory.—**K. KING**, 1 Eton Grove, Lewisham, S.E.13.

CLERGYMAN'S Widow, fully trained Nurse, some experience in Boys' Preparatory School, is seeking post in large Public School as **NURSE** or **MATRON**. Address—**Mrs. A. B., Hotel Fitzgerald**, Leinster Square, Bayswater, W.2.

GYMNASTIC, GAMES, AND DANCING MISTRESS. Diplômée. Experienced. Visits Schools. Good testimonials. Highly recommended.—**R. C.**, 3 Park Mansions, St. John's Wood, N.W.8.

it was to be expected soon, but it still delays, and at the time of writing no definite date has been fixed for its appearance. Rumour says that the committee of five who drafted it in the early summer have been called together again to consider some new details, but probably conjecture would not be far wrong if it surmised that the difficulty lies with the Treasury. The Government have, indeed, declared that education is one of the things in which false economy would do great harm, but the Treasury will not willingly make sacrifices for Ireland, and it will need firmness to secure for this country the benefits so freely given to England and to Scotland. Hope suggests that the Bill may appear before December, but if it does not there will be little possibility of its becoming law this year. But it is certain that educational reform is essential for Ireland, and postponement does not solve, but only increases, difficulties. P.S.—The Bill is being introduced on November 24.

New Rules, dated August 11 last, for the application of the £50,000 grant were published towards the end of October. One important change in the method of distribution has been made. The

grant is to be at a flat uniform rate to all qualified schools, and no school will receive more because it engages and pays more than the necessary minimum number of teachers. A school with fifty-nine qualified pupils must have one recognized teacher and gets no extra credit for having two. These rules are retrospective for last year. This is unsatisfactory, as the principles of grant payments should be known in advance. Under the Rules the Intermediate Board have power to spend up to £2,000 in courses of instruction for teachers, and have begun making preliminary inquiries as to what teachers would like such courses, in what subjects, and at what time of the year. The desirability will be considered of holding them in Dublin, Belfast, and Cork.

The Technical Education Committee for the County Borough of

Day Apprentice School.

Dublin have initiated a thoroughly praiseworthy scheme, under the title of "Day Apprentice School." Its object is to give a specialized training from the outset of their industrial career to boys who desire to enter trades. They must be over fourteen years of age and have passed the sixth standard or its equivalent. Approximately a hundred scholarships will be awarded each year on the entrance examination, giving free training with books and instruments, and, in addition, a payment of £15. 12s. for the first year

and £20. 16s. for the second. There will also be, in addition, about fifty free places. The instruction will be in the daytime for thirty hours weekly for forty-six weeks in the year, and will have a distinctly practical tendency. The boy will be allowed to choose his own trade, and the two years' training will count in full as part of the apprenticeship period. The Committee will work with the Employers' and Trade Associations in finding places for the boys as apprentices. For the first year the scholarships offered are: thirty for building trades, thirty for mechanical engineering, twenty for electrical engineering, and ten each for printing and furniture trades.

The Department have issued No. 4 of Vol. XIX of their Journal.

Technical Education.

It is nearly all concerned with agriculture, but the address of the new Vice-President, Mr. Barrie, contains some interesting remarks on education. Now that the war is over, the Department intend to develop to a higher degree than before their system of direct agricultural instruction; and, in particular, it is necessary to establish an institute for agricultural research. For this object the Treasury are granting £40,000 a year for the next five years. On technical education his speech was not so hopeful. Owing to lack of funds and to the decreasing value of money technical instruction cannot be maintained at its pre-war level, and the Department have been obliged to refuse assent to new schemes of development because of the utter inadequacy of the funds to carry them out. Up to the present the Treasury have not seen their way to make any increase in grants.

GENERAL.

In answer to questions asked in the House of Commons, Mr. Fisher has recently supplied teachers with interesting information. He stated that service in a private school certificated by an Inspector of the Board, a Local Education Authority, or by a University, as educating its scholars satisfactorily, will be accepted as qualifying service under the Superannuation Act, so far as service after April 1, 1919, is concerned; so also will service, past as well as future presumably, in any University or University College as professor, teacher, demonstrator, or lecturer. The figures given by him as to the amount set aside to provide for full-time courses of higher education are instructive. The total

(Continued on page 824.)

The "Tutorial" System of Correspondence Tuition makes a success of every willing student.

The "Tutorial" Correspondence Courses are based upon the best educational experience and compiled from unequalled sources of information and specialized knowledge. The work of the correspondence student is closely scrutinized, minutely checked, criticised, and appraised by a tutor interested in producing the best individual results and alive to the closest co-operation necessary between himself and the student.

ALL "Tutorial" Tutors have been directly connected with University work for a number of years. Under their guidance, industrious candidates have a surer guarantee of success than any other training system or institution can afford. Being individual coaching from start to finish, the Tutorial Correspondence Tuition is incomparably efficient.

Special provision is made for coaching candidates for all examinations connected with the Teaching profession. Particular attention is devoted to special subjects if necessary, so that backward students may quickly recover lost ground.

The Tutorial College Correspondence Tuition affords complete Training in Art, Science, Medicine, Economics, Laws, &c., preparatory for University and Professional Examinations, as well as for the Indian, and Home Civil Service Examinations.

Call or send to-day for Prospectus and Table of Fees.

The Tutorial College,
30L ELMBANK CRESCENT, CHARING CROSS, GLASGOW.

ANGLO-FRENCH SOCIETY.

Honorary Presidents:

Rt. Hon. D. LLOYD GEORGE.
Rt. Hon. H. H. ASQUITH.

Rt. Hon. A. J. BALFOUR.
Le Maréchal FOCH.

M. GEORGES CLEMENCEAU.
H. E. M. PAUL CAMBON.

M. PAUL PAINLEVÉ.
M. FRANKLIN BOUILLON.

President:

The Rt. Hon. the Viscount BURNHAM, C.H., Commandeur de la Légion d'Honneur.

LECTURES in French on Literature, Science, the Arts, Politics, and Economics by eminent Frenchmen. **Causeries** on subjects of Anglo-French interest by French and English lecturers.

CONCERTS of Instrumental and Vocal Music. Dancing and French Conversation Classes.

The premises are open daily from 11 a.m. to 11 p.m. The Reading Room is provided with the principal French and English Newspapers and Periodicals, and the Library contains a large number of French Books. Telephone. Numerous Branches in the Provinces. The only bilingual organ for the exchange of ideas between England and France is *THE ANGLO-FRENCH REVIEW*. Monthly, 2/6 net. Ask for a Prospectus and Specimen Copy. Particulars on application to the HON. SECRETARIES.

SCALA HOUSE, TOTTENHAM STREET, LONDON, W.1.
(Goudge Street Tube Station.) Telephone: MUSEUM 2217.

Posts Wanted—continued.

These School and Teachers' Advertisements are continued from page 821.

TO SCHOOLS.—Miss B. FURZE, A.R.C.M., visits schools to teach natural VOICE PRODUCTION, Solo and Class Singing. Diplôme R.A.M. for CHILDREN'S VOICE CULTURE. BATES method. Success in all Examinations.—6 Mount Park Crescent, Ealing, W.5.

JEUNE Fille Française, Diplômée, bonnes références, demande Post MAITRESSE FRANÇAISE dans bonne Ecole Anglaise. De préférence dans le Sud-Ouest. Address—No. 10,936.*

FRENCH MISTRESS, Brevet Supérieur, highest references, experienced and successful Teacher, excellent Coach, wants post January in Private School or good High School. Address—No. 10,937.*

REQUIRED, for January, 1920, responsible post as BURSAR or SECRETARY by lady of experience in organization, household management, and school routine. Capable of taking position of Vice-Principal in Girls' School, entire charge of Boarding House, or Students' Hostel. Address—No. 10,938.*

DIPLOMAED French Lady, experienced in Teaching, 25 years, R.C. requires a post as MISTRESS OR GOVERNESS, to teach French, German, Spanish, Painting, Drawing, Needlework. Good in all subjects; good references. Address—No. 10,939.*

MISS DYMPHNA SMITH'S EDUCATIONAL DEPARTMENT, 231 EBURY STREET, S.W.1.—Principals needing good ASSISTANT MISTRESSES, now or in the future, should apply The REGISTRAR, as above. Private Governesses also supplied. (Miss Dymphna Smith interviews applicants personally, 11 to 1, or by appointment.)

FRENCH Girl wants to go as a Boarder in a good English School (London or surroundings). Write for fees and applications to Address—No. 10,941.*

PIANOFORTE PLAYING.—A Lady is willing to give LESSONS, elementary and advanced. Visiting Schools or resident. Will not undertake to Coach pupils for any Exams. until they have completed their general education. Address—No. 10,942.*

WANTED, sole Management of good-class School; or, of Educational Side of School. Skilled Teacher and Organizer. Experienced: Registered. Address—No. 10,944.*

Posts Wanted—continued.

FORM MISTRESS, 10 years' experience in large school, teaching chiefly Mathematics in Middle Forms, seeks Visiting Engagement in London on two afternoons a week, or Coaching during the Christmas holidays. Address—No. 10,943.*

WANTED, Work as Teacher of History and French in Upper Forms in good School. Non-resident. Skilled Teacher. Excellent experience; Registered. Also Coaching by Correspondence for all Local Exams. Address—No. 10,945.*

FRENCH MISTRESS, highest references, seven years' experience mixed Secondary School, wishes to find similar post. Conversation, Reading, Literature, Grammar, Commercial French, elementary Spanish. Non-resident preferred. Address—No. 10,949.*

Posts Vacant.

WANTED, to teach Botany, Chemistry, Physics, MISTRESS with University Degree. Address—No. 10,898.*

WANTED, at once, a thoroughly trained TEACHER of COOKERY, accustomed to catering for large numbers—good disciplinarian—for an English Household School (50 students) in Denmark. Apply, stating age, qualifications, and salary required to Countess RABEN-LEVETZAU, The English School, Nysted, Denmark.

TYPEWRITING.

TESTIMONIALS, 6d. per dozen. MANUSCRIPT, 8d. per 1,000 words. Examination Papers. Perfect work.—M. GLENISTER, 3 Friern Park, N. Finchley, N.12.

THE HORTICULTURAL COLLEGE, SWANLEY, KENT.—The Governors invite applications for the appointment of PRINCIPAL. Candidates must be women of educational and administrative experience. Salary £500 per annum, with board and residence. Five copies of applications, and not more than three testimonials, must be sent not later than December 5th, 1919, to Miss H. F. COHEN, 18 Albert Court, South Kensington, S.W.7, from whom further particulars can be obtained.

SENIOR MISTRESS (graduate) required, large Private School. Essential subjects, Botany, Elementary Science, Geography, some Arithmetic. Applications to—Buckhurst Hill Girls' School, Essex.

Posts Vacant—continued.

URBAN DISTRICT OF SPENBOROUGH.

APPOINTMENT OF DIRECTOR OF EDUCATION.

The Council of the above District invite applications for the position of DIRECTOR OF EDUCATION for their District.

Candidates must have had actual experience in the administration of Elementary Schools and be thoroughly acquainted with the Regulations of the Board of Education with regard thereto.

They must be competent to advise the Education Committee upon all matters relating to the supply and co-ordination of all forms of Education within the Urban District, including the organization of Technical, Evening School, and other Classes.

The salary attaching to the position will be £400 per annum.

The appointment will be subject to three months' notice on either side.

Forms of application containing list of duties may be obtained at my Office, and must be returned to me, accompanied by copies of three recent testimonials, not later than the 10th day of November, 1919.

Canvassing members of the Council either directly or indirectly will be deemed a disqualification, but applicants, if they so desire, may send 14 copies of their applications and testimonials to me for the use of the Staff Committee.

JOHN H. LINFIELD,
Town Hall, Cleckheaton. Clerk to the Council.
24th October, 1919.

LEARN DUTTON'S 24-Hour SHORTHAND.

Booklet free. — Dutton's College,

Desk T 97, SKEGNESS.

WANTED, DIRECTOR OF PHYSICAL EDUCATION and One ASSISTANT IN PHYSICAL EDUCATION for the Saskatoon Public Schools. Applicants are requested to state clearly: (1) the character of their academic (English) training, names of institutions where secured, and time spent at each; (2) full details of their special training in Physical Education, including name of institution where training was received, length of course, subjects studied, &c.; (3) experience in teaching Physical Training with adults, and with children. Instead of submitting copies of testimonials, applicants are requested to have those whose names are submitted as references write direct and confidentially to the Secretary-Treasurer. State salary expected.—WILLIAM P. BATE, Sec.-Treas., Saskatoon, Sask., Canada.

WANTED, after Christmas, thor- oughly experienced TEACHER OF DOMESTIC ECONOMY for Household School in Denmark. Must be an educated gentlewoman, over 30 years of age. Good salary to competent person. Apply, giving all particulars, to Countess RABEN-LEVETZAU, The English School, Nysted, Denmark.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient loose stamps to cover postage on to advertiser. Post cards will NOT be sent on.

amount is £6,000,000, of which the awards already made commit the Board to an expenditure of £4,500,000. There are no fewer than 15,000 approved applicants. Of course, only a moiety of these will become teachers. If even a comparatively small proportion of them enter our profession the effect upon the present shortage will be appreciable. It is said that a number of ex-Army elementary school teachers are taking advantage of these courses in order to graduate and enter secondary schools. On the question of the medical examination of ex-Service teachers for the Superannuation Act, he refused to initiate legislation to exempt them from the provisions of the Act, but promised to dispense with the examination where it could be done consistently with the Act itself. The various Associations of teachers have been pressing for this and, chiefly in consequence of a deputation from ex-Army men themselves, it is hoped that a method of doing so has been devised.

PRIZE COMPETITIONS.

THE Prize for the November competition is awarded to "J. S."; *proxime accessit*, "666."

The winner of the October competition is the Rev. H. J. Chaytor, St. Catharine's College, Cambridge.

Extract from Renan's "L'Antéchrist."

By J. S.

Nero's raging madness had reached its climax. It was the most horrible ordeal through which the world had ever passed. The absolute necessity of the times had bestowed omnipotence upon a single man, the inheritor of the great legendary name of Caesar; any other régime would have been impossible, and the provinces, generally speaking, had little fault to find with this one; but beneath it an immense danger lay concealed. When the Emperor lost his reason, when all the arteries of his poor head, dazed by a power without parallel, gave way in a single moment, follies without name were the consequence. A monster was let loose upon the world. To get rid of him was impossible; his body-guard, composed of Germans, to whom his fall meant ruin, rallied fiercely round him; the wild beast, driven to its lair, turned to

bay and defended itself madly. Nero himself presented a spectacle at once appalling and grotesque, magnificent and absurd. The emperor was a man of wide reading, and thus his madness took chiefly a literary form. The dreams of all the ages, all poems and all legends, Bacchus and Sardanapalus, Ninus, Priam, Troy and Babylon, Homer and the lifeless poetry of his own day, were jumbled chaotically together in the unhappy brain of a mediocre, but highly opinionated artist, on whom chance had conferred the power of realizing all his fantastic visions. Imagine a man with about as much common sense as the heroes of Victor Hugo, a Shrove Tuesday figure, a mixture of fool, cotquean and actor, clothed with supreme power and set to govern the world. His was not the black wickedness of Domitian, the love of evil for evil's sake; neither was he an extravagant like Caligula; he was a conscientious romanticist, an emperor of the operatic stage, a melomaniac trembling before the pit and making the pit tremble; comparable in our own day to some plain citizen whose brain had been turned by the study of modern poetry, and who felt constrained to model his conduct on Han d'Islande and the Burgraves. Government is of all practical matters the most practical, and romanticism has no place in it. For it is in the domain of art that romanticism is at home; but action is the antipodes of art.

The passage was an easy one, but competitors did not find it easy to hit the happy mean between tame and inflated language; a large number erred in the latter direction. The prize-winner need not have substituted "ordeal" for *aventure*; the latter word, with its suggestion of unknown dangers and horrors exactly suits the situation. Nor need he have used the French word *régime* when "rule" and "government" are ready to his hand. But to transcribe *bourgeois* as many did was a still worse error; "honest tradesman" gives the meaning to a nicety. Is "an extravagant" English? Better "whimsical" or "fantastic." Renan is thinking, no doubt, of Caligula making his horse a consul, and other whims, less harmless. We can find no authority for "melomaniac" as an English word; say "crazy musical amateur." For *jocrisse*, "cotquean" is right; it means a man who does the women's work in the house, a common character in old comedy. "Nincompoop" and "simpleton" might pass, but "dolt" and "fool" are clearly wrong.

(Continued on page 826.)

HOOPER'S (Educational Agents), Ltd., 13 REGENT STREET, PICCADILLY, LONDON, S.W.1.

Vacancies at home and abroad, for the coming term, for well-qualified Masters and Mistresses, Tutors, Lady Matrons, Housekeepers, &c. Please write for particulars, stating your special requirements.

Principals of Schools supplied with best qualified Assistants. No fee. School Transfers arranged, also Partnerships.

PLEASE WRITE OR CALL.

HOOPER'S, Ltd., 13 Regent Street, London, S.W.1.

The Society for the Overseas Settlement of British Women.

Information and advice gratis to all classes of women, professional, business, and domestic, as to openings in Canada, Australia, New Zealand, and Africa. Escort and all arrangements made for the journey, reception, and introduction.

The Imperial Colonist, monthly, 2½d. post free.

Apply to—

Miss WADGE, Gen. Sec., The Imperial Institute, 8, Kensington, London, S.W.7.

A BIBLIOGRAPHY FOR TEACHERS OF HISTORY.

Edited by EILEEN POWER, M.A.

(Director of Studies in History at Girton College, Cambridge).

This little Bibliography has been drawn up to assist teachers in finding what text-books and reference books are best suited for the teaching of history on International lines.

Price 2s., by post 2s. 1½d. Special 50 per cent. discount to teachers and students in training colleges applying direct and mentioning name of school, to:—

Women's International League, 14 Bedford Row, London, W.C.1.

"THE APOLOGY OF THE SCHOOLMASTER," BY H. G. WELLS

will be found in the **AUGUST 1918** Number of

"THE JOURNAL OF EDUCATION AND SCHOOL WORLD."

Copies can be obtained through any Bookseller,
or Post Free for TENPENCE each from

MR. WILLIAM RICE, 3 Ludgate Broadway, London, E.C. 4.

Special Christmas Prize Competition.

A Prize of One Guinea is offered by the Editor of
The University Correspondent,

Burlington House, Cambridge, for the best original collection of twelve "Howlers," or Schoolboy blunders, which will appear in the issue of January 1st, 1920. Every collection of twelve "Howlers" must be in a separate envelope, and must bear the words "Howlers Prize Competition" on the outside of the envelope.

Entries must reach the Prize Editor, Burlington House, Cambridge, not later than December 20th.

SHAKESPEARE.—For Oxford and Cambridge Locals.

LECTURE RECITALS (To Schools and Colleges). By Mr. ADRIAN HARLEY.

1919, "As You Like It," "Twelfth Night." 1920, "The Tempest," "Hamlet," &c.

H. NICHOLSON, Esq., M.A., Head Master of Watford Grammar School writes: "The Recital given by Mr. Adrian Harley was eminently successful. The introductory lecture upon the Shakespearean stage was extremely lucid and most attractively given. He held the interest of the boys from start to finish. The lecture has been of real service to us."

For terms and vacant dates apply—

RELFE BROS. Ltd., 6 Charterhouse Buildings, Aldersgate Street, E.C.1.

The Bede Library of Christian Faith,

4 Osnauburgh Terrace, N.W.1. (Near Gt. Portland St. Station.)

A Church Library of Theological Study. Reading Room and Lending Library free to all.

Open daily 1.30-6.30 p.m. No books sent by post.

All particulars to be had from the LIBRARIAN.

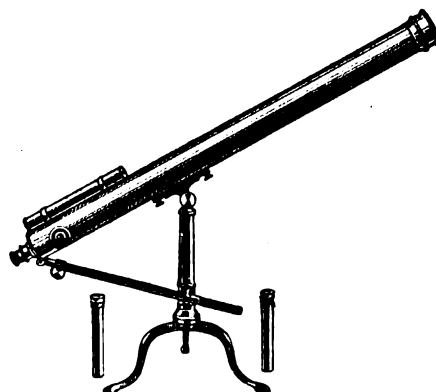
W. OTTWAY & CO. LTD.

(Established 1840)

Orion Works, Ealing, London, W. 5.

Phone:
Ealing 144 and 644.

Telegrams:
"Orionid, Ealux, London."



MANUFACTURERS

of all types of Astronomical, Surveying,
Scientific and Optical Instruments.

Catalogues free on application.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 823.

SUNDERLAND EDUCATION COMMITTEE.

BEDE COLLEGIATE GIRLS' SCHOOL.

Head Mistress: Miss M. E. Boon, M.A.

Wanted, in January, a **SCIENCE MISTRESS** (Chemistry and Physics, Mathematics subsidiary). An Honours Degree and good secondary school experience desirable. Salary according to Grade II Scale, £170, rising by £10 increments to £300. Not more than ten years' approved previous experience may be allowed for initial salary. Suitable Grade II Mistresses may be promoted to Grade III. Maximum, £360.

Application forms obtainable on sending stamped addressed envelope to the undersigned, to whom they should be returned as quickly as possible.

HERBERT REED,

Chief Education Officer.

Education Offices,
15 John Street, Sunderland.
7th November, 1919.

BIRKENHEAD HIGH SCHOOL (G.P.D.S.T.)

Wanted, in January, a **SCIENCE MISTRESS** (non-resident) to teach Chemistry and Physics, with subsidiary Botany if possible. Newly equipped laboratory. Also **HISTORY MISTRESS**, with good German or English subsidiary. Honours degree or equivalent essential in both posts. Initial salaries from £170, according to qualifications and experience. Apply, with full particulars and testimonials, to the HEAD MISTRESS.

ALEXANDRA COLLEGE, DUBLIN.—Wanted, for January, **TEACHER** in Housecraft Department. Salary £100 resident. Must hold first-class diplomas in Cookery, Laundry, and Housewifery. Extra Sewing Course and experience desirable. Apply—The SECRETARY, Alexandra College, Dublin.

Posts Vacant—continued.

FOLKESTONE BOROUGH EDUCATION COMMITTEE.

THE HARVEY GRAMMAR SCHOOL.

APPOINTMENT OF HEAD MASTER.

The Governors are desirous of receiving applications for the appointment now falling vacant of **HEAD MASTER** of the Folkestone Harvey Grammar School, a Secondary School for Boys. Candidates must be Graduates of a University in the United Kingdom or have such other equivalent qualification as may be approved by the Board of Education. Pupils attending the School may reside with the Head Master at such fee as the Governing Body may approve, but a Head Master's residence is not provided by the Governors. The School is carried on under Articles of Government approved of by the Board of Education, and the appointment will be made subject thereto. The official accommodation of the School is 150, but the number of pupils at present exceeds 180. It is possible the School may be enlarged.

The present salaries scale fixes the maximum at £600, which, however, may be increased at the discretion of the Governing Body to £800.

The Governing Body are desirous of securing the services of a Head Master who has had experience of Schools organized on a modern basis.

Applications (there is no prescribed form) stating age, qualifications, and previous experience, together with copies of not less than three recent testimonials, must be sent to the undersigned not later than the 8th December, 1919.

THOS. WILKINSON.

Clerk of the Education Committee.

Education Committee's Offices,
The Old Harvey Grammar School,
Folkestone.
13th November, 1919.

WANTED, in January, in a private registered Boarding School for Girls on the South Coast, a Resident **MISTRESS** for Classics and Mathematics. Divinity a recommendation. Write, stating qualifications, experience, and salary.—M. H., care of J. W. VICKERS & Co., Ltd., 5 Nicholas Lane, E.C.4.

Posts Vacant—continued.

WEST RIDING COUNTY COUNCIL.

EDUCATION DEPARTMENT.

The West Riding County Council invite applications from qualified women for a post as **SENIOR WOMAN ORGANIZER** for Physical Instruction.

Applicants should have taken a complete course of training in the Swedish System and have had previous experience in teaching and organizing.

Salary £250 to £350 by annual increments of £20 and Civil Service Bonus (which is 20% of the salary plus £40); some allowance may be made for approved previous service.

Forms of application may be obtained, together with particulars of the duties and conditions of appointment, from the Education Department, County Hall, Wakefield. The forms should be completed and returned so as to reach the Education Department not later than 9th December, 1919.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

BINGLEY TRAINING COLLEGE.

The West Riding Education Committee invite applications for the post of **INSTRUCTRESS** in Physical Training at Bingley Training College. Salary £160 per annum, non-resident, rising by annual increments of £10 to £340 per annum. In fixing the commencing salary, allowance will be made for previous experience up to a maximum of ten years.

Last date for the receipt of applications, December 17th, 1919.

Further particulars and forms of applications to be obtained from the Education Department (Secondary Branch), County Hall, Wakefield.

SECONDARY SCHOOL FOR

GIRLS, EAST DEREHAM, NORFOLK.—Wanted, January, **JUNIOR FORM MISTRESS**, to teach Physics and elementary Mathematics. Scale £150 to £260, with allowance for experience. Apply—HEAD MISTRESS.

We classify the 119 versions received as follows:—

Class I.—(a) J.S., 666, C.R.S., Mamble, Calvus, Garnet, Bésigue, E.A.N., Boy, Siri, Amba, Maxis.

(b) Hieremoth, Ardeonaig, G.D., Borealis, Somewhen, Sarnia, M.G.L., Hesperus, W.W.M., Noémi, Umbria, November, Elie-Berthet, Menevia, Nailil, Outis.

Class II.—W.G., Swastika, Nyleve, A.M.C., Ward Stitt, Gula, Dots, Pentire, Playshaw, Cassandra, J.J., Chymyny, Puella, T.T., Marco Polo, Capra, J.M., I.M.C., Priscilla, G.C.B., Primrose, Loo, Excelsior, Mascot, Ashbrooke, Novice, Mey, Susannah, Fifi, Abertawe, Poisson d'avril, Scarlet Pimpernel, F.B., Metz, E.L.G., Redfern, Yorkshire Lassie, Agricola, Errator, Quo Vadis, Beau Brocade, K. de Q. R., Oakleigh, K.E.F.G., Equus, Rusticus, Jambon gris, X.Y.Z., Algernon.

Class III.—Coup d'Essai, Foin, Eléonore, M.N.M., Psyche, Fantassin, Ykateinodar, David and Jonathan, Mollie, Para, T.W., Penelope, Margot, φιλόλογος, Bobby, Jessica, B.G.T., Hibernia, Bomb, Little Tich, Romany, M.E.W., Lux, Teddy, M.L.M., Pays de Galles, U.S., Teinturier, Macdermott, Verna, Téméraire, Nemo, Sionag.

Class IV.—Grandpère, Fireplace, Tuilier, Excelsior (Neron), Highfield, Bluebottle, Philomène, Punch.

A Prize of Two Guineas is offered for the best translation of the following extract from Novalis' "Heinrich von Ofterdingen":—

DIE DICHTER.

Anders ist es mit jenen ruhigen, unbekannten Menschen, deren Welt ihr Gemüt, deren Tätigkeit die Betrachtung, deren Leben ein leises Bilden ihrer innern Kräfte ist. Keine Unruhe treibt sie nach aussen. Ein stiller Besitz genügt ihnen, und das unermessliche Schauspiel ausser ihnen reizt sie nicht, selbst darin aufzutreten, sondern kommt ihnen bedeutend und wunderbar genug vor, um seiner Betrachtung ihre Muse zu widmen.

Grosse und vielfache Begebenheiten würden sie stören. Ein einfaches Leben ist ihr Los, und nur aus Erzählungen und Schriften müssen sie mit dem reichen Inhalt und den zahllosen Erscheinungen der Welt bekannt werden. Nur selten darf im

Verlauf ihres Lebens ein Vorfall sie auf einige Zeit in seine raschen Wirbel mit hereinziehen, um durch einige Erfahrungen sie von der Lage und dem Charakter der handelnden Menschen genauer zu unterrichten. Dagegen wird ihr empfindlicher Sinn schon genug von nahen unbedeutenden Erscheinungen beschäftigt, die ihm jene grosse Welt verjüngt darstellen, und sie werden keinen Schritt tun, ohne die überraschendsten Entdeckungen in sich selbst über das Wesen und die Bedeutung derselben zu machen. Es sind die Dichter, diese seltenen Zugmenschen, die zuweilen durch unsere Wohnsitze wandeln, und überall den alten ehrwürdigen Dienst der Menschheit und ihrer ersten Götter, der Gestirne, des Frühlings, der Liebe, des Glücks, der Fruchtbarkeit, der Gesundheit und des Frohsinns erneuern; sie, die schon hier im Besitz der himmlischen Ruhe sind, und von keinen törichtlichen Begierden umhergetrieben, nur den Duft der irdischen Früchte einatmen, ohne sie zu verzehren und dann unwiderruflich an die Unterwelt gekettet zu sein. Freie Gäste sind sie, deren goldener Fuss nur leise auftritt, und deren Gegenwart in Allen unwillkürlich die Flügel ausbreitet. Ein Dichter lässt sich, wie ein guter König, frohen und klaren Gesichtern nach aufsuchen, und er ist es, der allein den Namen eines Weisen mit Recht führt. Wenn man ihn mit dem Helden vergleicht, so findet man, dass die Gesänge der Dichter nicht selten den Heldenmut in jugendlichen Herzen erweckt, Heldentaten aber wohl nie den Geist der Poesie in ein neues Gemüt gerufen haben.

Initials or a nom de guerre must be adopted by ALL competitors, but the prize-winners and the competitors awarded the second place will be required to send real names for publication if necessary.

No competitor will be awarded a prize more than ONCE during a given year, though the name of the competitor gaining the first place will be published each month.

All competitions must reach the Office by the first post on December 15, addressed "Prize Editor," THE JOURNAL OF EDUCATION AND SCHOOL WORLD, 3 Ludgate Broadway, London, E.C. 4.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 825.

CITY OF CARDIFF EDUCATION COMMITTEE.

HOWARD GARDENS MUNICIPAL SECONDARY GIRLS' SCHOOL.

Wanted, in January next, MISTRESS FOR GYM-NASTICS (Swedish System) and Games.

Salary scale, £150 per annum, rising by £10 annually to a maximum of £240. Previous experience up to five years may be counted in fixing initial salary.

Forms of application, obtainable from the undersigned, must be returned by December 12th, 1919.

JOHN J. JACKSON,
Director of Education.

City Hall, Cardiff,
November 18th, 1919.

RUTLISH SCHOOL, MERTON,

S.W.19. — Wanted, in January next, three Non-resident ASSISTANT MASTERS, Graduates, specially qualified for (1) German, (2) Junior Form, (3) Physical Exercises with Games, and some Class Work. School recently enlarged: now about 450 boys. About twenty minutes by rail from Waterloo. Salary £220 per annum, with allowance for previous experience. Annual increments, £10 or £15; maximum, £400; all as per Surrey scale. Apply to HEAD MASTER.

A GYMNASTIC MISTRESS re-

quired, thoroughly trained (Osterberg method). Able to take Games, Gardening, Hobbies, and to supervise out of School Leisure. Applications to—Buckhurst Hill Girls' School, Essex.

WANTED, in January, FORM MISTRESSES for Girls' School. Special subjects: History, English, Drawing (elementary), Junior Singing desirable. Apply—The PRINCIPALS, The Lodge School, Hull.

Posts Vacant—continued.

KENT EDUCATION COMMITTEE.

COUNTY SCHOOL FOR GIRLS, TUNBRIDGE WELLS.

Required, in January, a well qualified FRENCH MISTRESS, able to organize the subject, including Advanced Course work.

Initial salary, £140 to £180, according to qualifications, together with an allowance for approved experience and training up to £100, rising to a maximum of £320 or £350.

Forms of application may be obtained from Dr. J. Lister, Technical Institute, Tunbridge Wells, and should be returned to the HEAD MISTRESS, County School for Girls, Tunbridge Wells, as soon as possible.

E. SALTER DAVIES,
24th November, 1919. Director of Education.

WANTED, in January, a MISTRESS to teach Science and Mathematics. £100 to £110 resident for B.A. or B.Sc. Also trained JUNIOR FORM MISTRESS. £70 resident. — PRINCIPALS, Brundall House, Brundall, Norfolk.

PHYSICAL TRAINING. — Re-

quired, next January, ASSISTANT, to take Swedish Educational Gymnastic Classes. Remedial Treatment and Massage. Dancing in all its branches. Good salary offered. Apply to the SECRETARY, Dublin Swedish Institute, 41 Harcourt Street, Co. Dublin.

WANTED, two resident MIS-

TRESSES. (1) Kindergarten, with good Swedish Drill and Games; or Drill and Games Mistress, who can take elementary English. (2) Junior English Mistress, with good Drawing and Needlework. Full particulars to PRINCIPAL, Woodridings School, Hatch End, Middlesex.

THE Services of an EDITOR are required, with special regard to the preparation of Series for use in Continental Schools. Write—PRIV., care of Dixon's, 195 Oxford Street, W.1.

Posts Vacant—continued.

NORWICH EDUCATION COMMITTEE.

MUNICIPAL SECONDARY SCHOOL FOR GIRLS.

Wanted, in January 1920, the following teachers:—

(1) A GRADUATE MISTRESS to teach English and History to Junior Forms. Able and willing to help with Games. Salary, minimum, £180. Maximum, £300.

(2) A well qualified and experienced MISTRESS to teach Needlework and simple Dress-making throughout the school, and to give assistance with supervision duties. Salary, minimum, £150. Maximum, £225.

Initial salary in both cases according to qualifications and experience.

Forms of application may be obtained from the undersigned.

D. O. HOLME,
Education Offices, Secretary for Education,
Opie Street, Norwich.

TYPEWRITING and Duplicating, MSS., &c.; accurate, prompt.—MILNER, 18 Cardigan Street, Cardiff.

BUCKS COUNTY EDUCATION

COMMITTEE. — Wanted, an ASSISTANT INSTRUCTRESS OF PHYSICAL TRAINING. Duties to consist of conducting Classes in Secondary Schools, assisting in the supervision of Drill in Elementary Schools, and instructing Classes for Teachers. Good cyclist.

Salary, £150—£10—£220. Allowance of £10 for each year of previous service may be added to initial salary.

Apply, with full particulars, before 6th December, 1919. C. G. WATINS,
Education Office, Aylesbury. Secretary.

EXPERIENCED and well qualified MISTRESS for Mathematics, Junior Latin, and some English, in Ladies' School. Good salary.—Byculla, Merton Road, Southsea.

THE SECONDARY, TECHNICAL AND UNIVERSITY TEACHERS' INSURANCE SOCIETY

(The S.T.U.T.I.S.)

Registered under the Friendly Societies Act, 1896. Regd. No. 1424 London.
Approved under the National Insurance Act, 1911. Approval No. 261.

Chairman: Sir JOHN D. McCURE, LL.D., M.A.

All persons whose main work is teaching other than in Public Elementary Schools are eligible for membership of this Society.

STATE SECTION:—

The forthcoming Valuation will, it is expected, show that this Section is in a very strong position and that valuable additional benefits will be able to be offered to its members.

Members who have been insured for at least two years, and who are passing out of Insurance in consequence of the Superannuation Act, or of larger salaries, are entitled to become *Voluntary Contributors*, and thus share in the Additional Benefits which they themselves have helped to create.

DIVIDEND SECTION:—

This Section is independent of the State Section and is for the insurance of those teachers to whom the Insurance Act does not apply, or *who desire additional benefits*. It possesses the advantage of a Savings Bank (by the creation of Own Funds and Deposit Accounts), and offers at a very low cost Sick Benefits up to £3 3s. per week. Hitherto about two-thirds of the members' annual contributions have been returned to them each year by being placed to the credit of their Own Funds.

For information apply to the SECRETARY,
10 Mecklenburgh Square, London, W.C.1.

The Future Career Association.

(Established 1904.)

CONVEYANCING DEPARTMENT.

This Department is now under the direction of **MR. F. C. NEEDES, B.A.**, whose experience, advice, and assistance are unreservedly placed at the disposal of **PUBLISHERS** free of charge.

TRANSFERS and PARTNERSHIPS arranged by correspondence or interview.

INSPECTIONS and VALUATIONS undertaken.

An **unusual opportunity** offers itself to a young energetic lady of good social position, with educational qualifications, to acquire a **partnership** in one of the best **Girls' Schools** near London. Sound investment, but monetary consideration of secondary importance.

FOR SALE (*inter alia*).

- 1. Kent.—Flourishing Good Class Girls'.**—Situate in good Premises and Grounds. 18 Boarders. Fees 22 and 25 guineas a term. 100 Day Pupils. Fees 4½ and 6 guineas a term. K.G. (mornings only), 3 guineas a term. Receipts about £2,400. Vendor, who is retiring from the profession, will accept one term's Capitation Fees, and sell the School furniture, &c., at valuation. Personally investigated and highly recommended to any lady or ladies of good educational experience.
- 2. S. Wales.—Good class Girls'.**—6 Boarders and 18 Day. Receipts about £700. Rent of good premises only £42. Good Music and Dancing connexion. One term's fees accepted.
- 3. Surrey.—Good Class Girls' Day with Boys' Prep.**—52 Pupils. Fees 2½ guineas (mornings only) to 5 guineas a term. Rent only £60. No opposition. Price £500.
- 4. West of England.—Flourishing Girls' Good Class Day.**—Connexion of about 50 Pupils. Receipts over £1,200 per annum. Good premises with every accommodation. Moderate rent. Goodwill £400 cash, or £500 by instalments. Furniture at valuation. Boarders might be transferred to suitable purchasers.
- 5. North of England.—Flourishing Good Class Girls'.**—Estab. 40 years. 22 Day Boarders. Fees £3 a term plus tuition fees. 141 Day. Fees from £2 7s. to £4 a term. Receipts 1918, £1,786. Net profits £562. Good premises—vendor's freehold—will sell for £1,450, mortgage arranged or will let. School has a splendid connexion and has a good reputation. Goodwill about £800. School furniture, &c., at valuation. Excellent chance for two or more ladies.
- 6. To Principals on the South or S.W. Coast** with good Schools and Premises.—A Lady, able to bring with her about 20 Pupils, all at good Fees, wishes to purchase a first-rate Girls' Boarding School situate in good premises and grounds, or will **amalgamate**.

53 VICTORIA ST., WESTMINSTER, S.W.1.

Telephones: Victoria 4168 and 5942.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 826.

MANCHESTER EDUCATION COMMITTEE.

THE MATHER TRAINING COLLEGE.
CRIMSWORTH DEMONSTRATION SCHOOL.
(Preparatory School for Boys and Girls, from 3 to 5 years of age.)

Two ASSISTANT MISTRESSES required in January 1920. Training and experience essential.

- (1) To take charge of a group of children aged 5 to 7, and to help with the Handwork of the School.
- (2) To take general subjects with the children from 8 to 12 years. Experience required in the teaching of English and History on modern lines.

Salary according to qualifications.
Forms of application, which must be returned on or before December 8th, may be obtained from the undersigned. **SPURLEY HEY,**
Education Offices, Director of Education.
Deansgate, Manchester.

SCIENCE MISTRESS required, January, to teach Mathematics and Botany to Matriculation standard. Resident post. Degree or equivalent. Apply—**REVEREND MOTHER, Convent of Our Lady of Compassion, Olton, Warwickshire.**

MALTMAN'S GREEN, GERRARD'S CROSS, Bucks.—Wanted, a **HISTORY MISTRESS**, to teach History, Civics, Scripture, and some Latin. Salary according to qualifications and experience.

RESIDENT GOVERNESS required January to August. Country. Girl, 10; boy, 8. State qualifications, age, salary required. Give references to Dr. DROOP, Newton-on-Trent, Newark.

Posts Vacant—continued.

ESSEX EDUCATION COMMITTEE.

ILFORD COUNTY HIGH SCHOOL FOR GIRLS.

Required in January: FORM MISTRESS, with Honours Degree in History. Good discipline essential and Secondary School experience desirable. Initial salary £150 to £200 per annum.

Applications, enclosing copies of testimonials, to be forwarded to the CLERK TO THE GOVERNORS.

TESTIMONIALS TYPEWRITTEN FREE.

To show the quality of our work, ten copies of any one testimonial (not exceeding 200 words) will be typewritten free of charge and sent to any new client on receipt of 6d. in stamps to cover cost of paper and postage. Size: 4to or fcap. Orders executed by return of post.

Full price-list, with specimens of typewriting, sent on application.

KING, 45 Bedford Row, London, W.C.1.

JUNIOR MISTRESS (resident)

required in high-class Girls' School to teach English to small Junior Form, and Games. Churchwoman. Needlework desirable. State age, experience, salary, to PRINCIPAL, The Beehive, Bexhill.

WANTED, in January, a well qualified resident MISTRESS in a large Boarding School for Girls, to take French throughout the School, and Botany. Both subjects up to Matriculation standard. Write to Miss WHITE, Wilton House, Reading.

REQUIRED, January, Two MISTRESSES to teach Organ, Violin, and Piano as subsidiary subject. Mistress offering Organ will be required to play Organ in church in term time. Some supervision. Resident. Apply—**HEAD MISTRESS, Clergy Daughters' School, Casterton, Kirkby Lonsdale, Westmoreland.**

Posts Vacant—continued.

THE MAYNARD'S GIRLS' SCHOOL, EXETER.

HEAD MISTRESS.

THE Governing Body are prepared to receive applications for the appointment of a HEAD MISTRESS of this School, from candidates not exceeding forty years of age.

The School is recognized by, and receives a grant from, the Board of Education.

The Head Mistress will have a house assigned to her free of charge for rent, rates, and taxes, and a commencing salary of £550 a year, and will be required to commence her duties immediately after the end of the first term of 1920.

Forms of application and detailed particulars may be obtained from the CLERK TO THE GOVERNORS, to whom applications, with testimonials (not to exceed four), should be forwarded on or before the 20th December.

Canvassing will be a disqualification.
JOHN E. DAW,
Clerk to the Governors.

13 Bedford Circus, Exeter.
24th November, 1919.

REQUIRED, in January:—
KINDERGARTEN MISTRESS, fully qualified and experienced. A knowledge of Montessori methods would be an advantage.

GEOGRAPHY MISTRESS, Oxford Diploma preferred.

Subsidiary subjects for either of the above: Class Singing or Latin or Games.

Salary scale: Graduates, £150, rising by £10 to £210, and then by £15 to £330. Non-graduates, £110, rising by £10 to £200, or more in special cases.

The initial salary will depend upon qualifications and experience.

Apply—**THE HEAD MISTRESS, Girls' High School, Bilston, Staffs.**

REQUIRED in January, VISITING MISTRESS, three hours weekly, for Botany to Matriculation standard. Apply—**HEAD MISTRESS, High School, Ltd., Sidcup, Kent.**

Messrs. GRIFFITHS, POWELL & SMITH,

Educational Agents (Estd. 1833),

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

(For many years at 34 BEDFORD STREET, STRAND, LONDON, W.C.)

Telegraphic Address:
Schoolasque, Westrand,
London.

SCHOOL TRANSFER DEPARTMENT.

Telephone:
Gerrard 7021.

Schools transferred and valued. No charge whatever will be made to vendors of Schools or School Partnerships by Messrs. GRIFFITHS, POWELL & SMITH unless a sale is effected or agreed upon. No commission charge whatever made to Purchasers of Schools or School Partnerships.

Applications from intending purchasers are solicited for the following properties:

GIRLS' SCHOOLS.

Wales.—Middle-class Boarding and Day School. Gross receipts past year £1,884. No. of Boarders 44, and 108 Day Pupils. Rent £120. Goodwill and School furniture £500.—No. 7,012.

Sussex.—Transfer or Partnership. High-class Boarding and Day School for Girls, with Kindergarten Department. Gross receipts past year £2,500. Net profits past year, £723. Rent of very fine house standing in its own grounds, garden, net ball and play ground, held on lease, £410. No. of Boarders 9, paying 96 to 111 guineas per annum. No. of Day Pupils 21, paying £4 4s. to £8 8s. per term, without extras. Price for Goodwill, £1,500. School furniture at valuation. Half share could be had for about £750.—No. 7,082.

Devon.—Good-class Boarding and Day School. Gross receipts £1,300. No. of Boarders 15. Fees about £70. No. of Day Pupils 20. Fees 3 to 5 guineas. Rent £54. Vendor would accept one term's fees for Goodwill. School furniture £300.—No. 7,001.

Sussex.—Good-class Boarding and Day School. Gross receipts about £1,454. No. of Boarders about 22, and about 25 Day Pupils. Goodwill one term's fees. School furniture at valuation.—No. 7,011.

Hants.—Partnership in Boarding and Day School. 120 Pupils, 16 of whom are Boarders. Gross receipts about £1,500. Very nice premises. Terms of Partnership to be arranged.—No. 7,005.

Lancs.—Preparatory School for Girls and Kindergarten. Boys up to 10 years of age received. Gross received past year £603. No. of pupils 72. Rent only £55. Goodwill £200. Furniture at valuation.—No. 7,009.

N. Wales.—Boarding and Day School for Girls, with Preparatory for Boys. Gross receipts past year £650. No. of weekly Boarders 6, paying £55 to £60, and 18 Day Pupils, paying from 2½ to 5 guineas per term. Rent £42. Goodwill, one term's fees. School and some household furniture at valuation.—No. 7,080.

Channel Islands.—Boarding and Day School for Girls. Gross receipts £500. Net profits £280. 1 Boarder paying £2 per week, and 60 Day Pupils, paying £1 10/- to £3 per term. Rent of very fine house £50. Goodwill £350. School furniture £50. Part of household £150.—No. 7,078.

Oxon.—Boarding and Day School for Girls. Established 40 years. Receipts past year £1,620. Net profits £590. 24 Boarders, 30 day pupils. Rent of well-built stone house £75. Goodwill about £500. Furniture at valuation.—No. 7,015.

Hants (Seaside).—Partnership in flourishing Boarding and Day School for Girls. Vendor wishes to retire after 20 years, having acquired a competency. Gross receipts past year £3,725 15s. Net profit about £600. There is a waiting list for Boarders for next term. Price for half-share of Goodwill £500. Furniture at valuation.—No. 7,007.

Salop.—Flourishing Boarding and Day School for Girls. Conducted by vendor 25 years. Gross receipts past year £1,035 17s. 3d. Net profits past year £369. 15 boarders, 35 day pupils. Rent of fine large detached house, built for a school, and standing in its own grounds, £80. The low sum of £300 will be accepted for Goodwill. Furniture at valuation.—No. 7,020.

Hants (Seaside).—Girls' Boarding and Day School. Gross receipts £1,338. No. of Boarders 12, and 56 Day Pupils. Rent £80. Price for Goodwill £500 or near offer. School and household furniture at valuation.—No. 7,000.

Herefordshire.—Girls' Boarding and Day School with Kindergarten Department. Gross receipts about £1,400. No. of Boarders 24, and 10 Day Pupils. Rent of three houses £220. The vendor would accept one term's fees for Goodwill. Furniture at valuation.—No. 7,077.

For further details of the above, and particulars of other Schools for Sale and School Partnerships, address—

GRIFFITHS, POWELL & SMITH, School Transfer Dept., 12 and 13 Henrietta Street, Covent Garden, London, W.C.2.

Posts Vacant—continued.

These School and Teachers' Advertisements are continued from page 827.

CITY OF SHEFFIELD. EDUCATION COMMITTEE.

CENTRAL SECONDARY GIRLS' SCHOOL.
Head Mistress: Miss F. M. COUZENS, B.A.

Wanted in January:—
SCIENCE MISTRESS for Biology, Chemistry, and Physics. Initial salary, £180 to £190 non-resident, according to qualifications and experience. Scale under revision.

A War Bonus of at least £20 per annum is guaranteed until 31st October, 1920.
Forms of application may be obtained from the undersigned.

PERCIVAL SHARP,
Director of Education.
Education Office, Sheffield.
12th November, 1919.

WANDSWORTH TECHNICAL INSTITUTE.

SECONDARY SCHOOL.

Required, in January if possible, MASTER with special qualifications and experience in teaching History.

Commencing salary £225 to £315 according to experience, rising to £440.

Applications on forms to be obtained from the Honorary Principal, Technical Institute, Wandsworth, S.W.18, returnable not later than Monday, 8th December.

INTERMEDIATE SCHOOL FOR GIRLS, HENGLED.—Wanted, January to July, BOTANY SPECIALIST for higher work only. Appointment may become permanent. Salary according to qualifications. Apply at once to the HEAD MISTRESS.

Posts Vacant—continued.

WANTED, for a College in Cambridge, in January, a TUTOR IN MATHEMATICS (man or woman). Must be a graduate of high honours, preferably of London University. Salary £240 to £300 a year. Disabled men eligible. Apply, stating age, qualifications, and experience, if any, to Address—No. 10,931, care of Mr. William Rice, 3 Ludgate Broadway, London, E.C.4.

TUTOR (Man or Woman) wanted in January for French, with subsidiary subject English, if possible. Honours graduate required. Apply, stating age, qualifications, and experience, if any, to Address—No. 10,932, care of Mr. William Rice, 3 Ludgate Broadway, E.C.4.

WANTED, for a College in Cambridge, in January, a TUTOR IN HISTORY (Man or Woman). Must be a graduate in high honours. Commencing salary £240. Disabled soldier, eligible. Apply, stating age, qualifications, and experience, if any, to Address—No. 10,933, care of Mr. William Rice, 3 Ludgate Broadway, London, E.C.4.

REQUIRED, in April or June, for a Government High School in South Africa, four MISTRESSES: (1) Piano and Harmony, full diploma, experience essential; (2) Kindergarten, Head of Department; (3) and (4) to share Classics, English, History, degree and training essential. Salary from £170 non-resident.
Residence in the School costs £32. 10s. per annum. Light supervision. Passage out paid on three years' agreement.
Apply, with full particulars, to Mrs. BROUGH, Association of University Women Teachers, 108 Victoria Street, London, S.W.1.

CENTRAL FOUNDATION SCHOOL.—Wanted, January, MATHEMATICAL MISTRESS (general elementary Science subsidiary) as Form Mistress. Good degree. Secondary experience essential. Salary L.C.C. scale. Graduates, £180 to £310. Write to HEAD MISTRESS, Spital Square, London, E.1, for application form, enclosing stamped envelope.

Posts Vacant—continued.

LINDSEY COUNTY COUNCIL EDUCATION COMMITTEE.

CLEETHORPES PUPIL-TEACHER CENTRE.

ASSISTANT MISTRESS—Trained, Certificated, with Science as principal subject—Botany and general elementary Science. Geography as other subject. Commencing salary: Graduate, £150 to £230; non-graduate, £130 to £210, according to years of experience, and rising by annual increments of £10 to maximum of £300 (graduate), £220 non-graduate.
Apply to E. B. CHAPMAN, Esq., 67 Victoria Street, Grimsby.

TYPEWRITING.—Authors' MSS., Examination papers, Letters, Circulars, general copying, duplicating, &c. — J. TRIMMELL, 8 Moira Terrace, Cardiff.

SEDDON MEMORIAL TECHNICAL COLLEGE, AUCKLAND, NEW ZEALAND.

Immediate applications are invited for the position of FRENCH MASTER. Commencing salary £300 per annum for at least five years; second-class passage paid.

Further particulars can be obtained by sending stamped addressed foolscap envelope to the High Commissioner of New Zealand, 415 Strand, London, W.C.2.

Applications close 6th December, 1919.
GEORGE GEORGE, F.I.C., F.C.S.,
Director and Secretary.

Auckland, New Zealand.
August 29th, 1919.

THE NATIONAL FROEBEL UNION.

THE Governors of the National Froebel Union invite applications for the post of SECRETARY. Salary £240, rising by annual increments of £10 to £300. Last day for applications, January 15th, 1920. Further particulars and form of application from Miss E. H. MACLEAN, National Froebel Union, Norwich House, Southampton Street, Bloomsbury, W.C.1.

THE JOINT AGENCY FOR WOMEN TEACHERS,

OAKLEY HOUSE,

14, 16, and 18 BLOOMSBURY STREET, LONDON, W.C.1.

Teachers seeking Posts in Public and Private Schools and Training Colleges for January 1920 should apply at once to the Registrar. Governesses seeking Private Posts are also invited to enter their names on the books of the Agency

The following are selected from the posts vacant:—

SCIENCE AND MATHEMATICS.

- Girls' High School in Yorkshire. Junior Mathematics. Latin for beginners. Some English. Salary from £150. JA 19142
- Girls' Public School in London. Mathematics, general elementary Science, Form, Scripture, and Civics desirable. Degree and experience; training desirable. Sal. scale: £180 to £240 or £310. JA 19150
- Girls' High School in London, S.W. Science, Physics very desirable. Part or whole time. JA 19169
- Girls' High School in London, S.E. Mathematics. Salary £170 for a Graduate. JA 19171
- Girls' Public School in Scotland. Junior Science Mistress. Physics, Chemistry, Botany. Salary £180 to £210. JA 19173
- Mixed Secondary School in Wiltshire. Botany, Biology, Hygiene. Honours degree and experience preferred. Salary scale: £200—£10—£350. JA 19186
- Girls' Secondary School in Cheshire. Mathematics for Middle School. Initial salary £150 to £200. JA 19189
- Girls' High School in Northamptonshire. Senior Mathematics Mistress. Tripos preferred. Salary scale: (£150 to £240)—£10—£300. JA 19193
- Mixed School in South Wales. Mathematics. Degree and training or experience if possible. Minimum salary £170 to £180. JA 19195
- Girls' Secondary School in Yorkshire. Two of the following: Chemistry, Physics, Biology. Salary £180 to £200 and War Bonus. JA 19201
- Girls' High School in Worcestershire. Chemistry, Botany, elementary Physics. Salary £160 to £250. JA 19211
- Girls' County Secondary School in London, S.E. Botany, Chemistry, Physics, some Mathematics. Salary at least £180. JA 19227
- Girls' High School in Norfolk. General elementary Science, Botany. Salary scale: Graduates, £150—£10—£270. JA 19232

GEOGRAPHY.

- Girls' High School in Lancs. Geography, with Mathematics or Botany. Salary scale: Graduates, £160 to £350; Non-Graduates, £120 to £200. JA 18992
- Municipal Mixed School in Cheshire. Geography and Mathematics. Singing if possible. Salary, £150 to £220 and War Bonus. JA 19207
- Girls' Public School in Staffs. Geography, with Class Singing, or Latin or Games. Salary scale: (£150 to £200) to £300. JA 19209
- Mixed School in Staffs. Form Mistress. Geography. Some Physical Training. JA 19236

HISTORY AND ENGLISH.

- Girls' High School in Lincs. History (Advanced Course later). English. JA 19049
- Mixed School in Derbyshire. History. Honours degree. 5 to 10 years' experience. Salary (£160 to £260) by £15 to £350. JA 19070
- Grammar School (Mixed) South Devon. Senior Mistress. English, History, French, Needlework. Salary from £200. JA 19079
- Girls' High School in Lancs. Senior English. Experience essential. Scale under revision. JA 19162
- Grammar School (Mixed) in Herefordshire. English Elementary Mathematics. Initial salary, £160 to £180. JA 19187
- County School (Mixed) in South Wales. History. Geography desirable. Minimum salary, £170 to £180. JA 19196

MODERN LANGUAGES.

- Girls' High School in Cheshire. German, some History. Salary £170. JA 19088
- Boys' School in Somerset. French, some English. Experience. Salary scale: Graduate, £180 to £350; Non-Graduate, £150 to £250. JA 19123
- Girls' High School in London, S.E. French. Salary from £170. JA 19149
- Girls' High School in Gloucestershire. French. Beginners' Latin or German. Salary (£160 to £180)—£10. JA 19158
- Secondary School (Mixed) in Yorkshire. French. Salary (£150 to £250)—£350. JA 19180
- Secondary School (Mixed) in Wiltshire. French. Desirable German, Music. Honours degree preferred. Salary £200—£10—£350. JA 19185
- Girls' High School in Northamptonshire. French, subsidiary English. Salary scale: Graduate (£150 to £240)—£10—£300. JA 19194
- Girls' High School in Worcestershire. German, some English, and Arithmetic if possible. Salary about £160. JA 19212
- Girls' Grammar School in Lincolnshire. French, some English or Arithmetic, or German or Needlework or Singing. Salary scale: £150—£10—£300. JA 19213
- County High School for Girls in Essex. French, some English, Scripture, elementary Latin. Honours degree; residence abroad. Initial salary £180 to £225. JA 19215
- Mixed School near Chester. French, elementary German. Salary £180 to £220. JA 19220
- Public School in London, N.W. French, with English or Latin subsidiary. 2 years' experience. Salary from £180 non-resident. JA 19235
- Public School in Herts. French. Direct Method up to Senior Cambridge and Matriculation standard. Degree. Salary £100 resident. JA 19237

FORM POSTS.

- Girls' High School in Suffolk. Form III. General English and Mathematics (Middle School). JA 18977
- Public School in Somerset. Arithmetic, French for girls of 10 to 13. Churchwoman. Resident post. JA 19042
- Girls' High School in Yorkshire. French, Latin, elementary Geography. JA 19109
- Girls' High School in Salop. Form II (average age 11). Salary scale: Non-Graduate, £110—£10—£200. JA 19122
- Boys' School in Westmorland. Lower Forms, ages 7 to 13. Salary scale: Graduate, £150—£10—£250. JA 19152
- Secondary School (Mixed) in Yorkshire. General subjects for Form II B, Latin, Nature Study. Salary £159—£10—£330. JA 19161
- Girls' Grammar School in Hertfordshire. Form II. Nature Study, elementary Science. Salary £130—£10—£250. JA 19164
- Girls' High School in Hants. Middle Form, Botany and Mathematics. Salary: Graduate, £150 to £200; Non-Graduate, £140 to £180. JA 19177
- Secondary School for Girls in Norfolk. Junior Form, English, French, Scripture. Salary scale: Graduate, £150 to £260; Non-Graduate, £130 to £220. JA 19190
- Municipal School (Mixed) in Oxon. Junior Mistress, French, History, English, Geography. Salary scale: Graduate, £135 to £265; Non-Graduate, £120 to £160. JA 19219

KINDERGARTEN & LOWER SCHOOL.

- Girls' High School in Lancs. Kindergarten class, ages 4 to 7. Drawing or Singing a recommendation. JA 18993
- Girls' Public School in London, E.C. Mistress for children up to 8 years. Some Music desirable. JA 19043
- Mixed School in Derbyshire. Mistress for Lower I (age 6 to 7). Handwork, Games. Salary scale, £140—£10—£180 or £220. JA 19121
- Municipal Secondary Mixed School in Dorset. Preparatory Form (age 10). Salary £130 to £180—£10—£220. JA 19130
- Boys' Grammar School in Sussex. Mistress for boys 8 to 11 years. Salary scale £200 to £400. JA 19147
- Municipal Girls' High School in Yorkshire. Preparatory (ages 6 to 8 years). Handwork. Salary £130 to £170. JA 19160
- Girls' High School in London, S.W. Kindergarten Assistant. Salary about £130. JA 19170
- Girls' High School in Staffordshire. Kindergarten Mistress. Experience and good qualifications. Salary £150 to £200, rising to £300. JA 19208
- Girls' High School in Essex. Junior School. Froebel Certificate and experience. Salary £150 to £200. JA 19216

PRIVATE SCHOOL POSTS.

- Private School in Yorks. (1) French. (2) Elementary Latin and English. Desirable, Art and Geography. JA 19052 & 19053
- Private School in Kent. Classics and Mathematics for College Entrance. Salary £150 resident. JA 19055
- Private School on Sussex Coast. Senior Mistress to teach English and French. Degree and experience. Churchwoman. JA 19067
- Private School on Sussex Coast. Classics, Junior History. Degree and experience. Salary £120 resident or £175 non-resident. JA 19074
- Private School in Surrey. History, Geography, Arithmetic. Res. post. Age 28 to 35. JA 19131
- Private School in Lancs. (1) Latin, Junior Mathematics, or French and German. Salary £100 to £120. (2) Junior English subjects. Salary £100 resident. JA 19156 & 19157
- Private School in Herts. (1) Mathematics. (2) Junior post, with Nature Study. JA 19175 A.B.
- Private School on Sussex Coast. Latin, elementary Greek, English or elementary Mathematics. Churchwoman. Age 25 to 35. Salary £100 to £120 resident. JA 19226
- Private School in Kent. (1) Mathematics, Geography. Resident post. (2) Lower School. Botany desirable. Froebel Certificate preferred. Salary £60 to £70 resident. JA 19230 & 19229

MUSIC, &c.

- County School for Girls in Kent. Art, Handwork, Needlework. Initial salary £150 to £180. JA 18339
- Girls' High School in Westmorland. Swedish Drill and Gymnastics. Dartford training preferred. Salary from £150. JA 19097
- Public School for Girls in Lancashire. Piano (Matthay), 'Cello and Elocution desirable. Salary scale (£80 to £100)—£10—£150. JA 19108
- Girls' High School in Norfolk. Drill and Games. JA 19191
- Girls' High School in Gloucestershire. Domestic Science, Cookery, Housewifery. Superintend School Kitchen. Experience essential. Salary scale (£150 to £200)—£10—£280. JA 19223

Teachers who would like to apply for any of these posts should write at once to the Registrar for the Regulations of the Agency and enter their names without delay. **Reference to a post must be made by number.**

No Registration Fee is charged to Members of the following Societies:—

THE TEACHERS' GUILD, ASSOCIATION OF ASSISTANT MISTRESSES, THE COLLEGE OF PRECEPTORS; and the Commission on the first year's salary is 1 per cent. for a non-resident and 1½ per cent. for a resident post. Teachers who are not Members of one of these Associations are charged a Registration Fee of 2s. 6d., and the Commission on the first year's salary is 3 per cent. for a non-resident, and 3½ per cent. for a resident post.

Registrar: Miss ALICE M. FOUNTAIN.

Messrs. GRIFFITHS, POWELL & SMITH,

Telegraphic Address:
"SCHOLASQUE WESTRAND,
LONDON."

Educational and School Transfer Agents,
(Established over 80 years),

Telephone:
GERBARD 7021.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

For many years at 34 BEDFORD STREET, STRAND, and 22 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.

TO ASSISTANT MISTRESSES.

January (1920) Vacancies.

Graduates, Undergraduates, and other well qualified Senior and Junior Mistresses, and Music, Kindergarten, and other Teachers seeking appointments in Secondary and high-class Private Schools (Boys' and Girls') for the term commencing in **January next** are invited to apply at once to Messrs. GRIFFITHS, POWELL & SMITH, as above, who will send immediate notice of all the most suitable Posts.

Candidates should state full details as to their qualifications, and enclose copies of testimonials.

ENGLISH, GENERAL FORM, AND OTHER VACANCIES.

Two Assistant Mistresses to take between them good English, Geography, Latin, Algebra, Geometry, and Drawing. (Wales.)—No. 405.

Assistant Mistress for French, History, and English. Churchwoman. Salary £70. (Yorks.)—No. 399.

Assistant Mistress to teach to Matriculation standard Geometry, Latin, and English. Salary £60. (Sussex.)—No. 398.

Good Classical Mistress to prepare for Responsions, London Matriculation, and to assist in History. Salary from £150 resident. (Sussex.)—No. 397.

Assistant Mistress for English to Senior Cambridge standard and good French. Salary £85 resident. (Norfolk.)—No. 392.

Assistant Mistress for Latin and Scripture. First-class School. (Lancs.)—No. 390.

Assistant Mistress (Graduate). History as special subject, and charge of Form III. Salary £100 resident. R.C. (London.)—No. 387.

Assistant Mistress (Graduate) for Mathematics, Latin, and English. Salary £120 resident.—No. 033.

Good English Specialist. Graduate with training or experience. Salary according to scale—Hons. Graduate, £160, increasing to maximum of £300; Pass Graduate, £140, increasing to £300. (Yorks.)—No. 386.

Assistant Mistress for English, Geography, History and Literature, and Mathematics. Salary £70 res. (Wales.)—No. 384.

Senior English Mistress for Mathematics and usual English subjects. Churchwoman. Salary £100 resident. (Cornwall.)—No. 381.

Senior Mistress for Modern Geography, Grammar, Arithmetic. Experienced in preparing for Examinations. (Glos.)—No. 378.

Mistress to take charge of a Form of small boys. Salary £70 and laundry. (London.)—No. 374.

Two Assistant Mistresses wanted, one for good French and Latin, the other for Mathematics and general English in Upper Forms. (Sussex.)—Nos. 371 and 372.

Senior Mistress for good History, Geography, Botany, and English. Salary according to qualifications. (Midlands.)—No. 369.

Two Assistant Mistresses for Secondary School. (1) Needlework and Junior French, (2) English throughout the School. Salaries according to scale.—No. 366.

Two Mistresses for Boys' School. (1) English to London Matriculation and elementary Latin. (2) Arithmetic, Euclid, and Algebra to London Matriculation. Salary £100 each resident. (Devon.)—No. 364.

Fifth Form Mistress for all English subjects. Mathematics and French Grammar. Salary according to qualifications. (Yorks.)—No. 361.

Senior English Mistress, holding Higher Local Certificate and able to take Mathematics through the School. Salary from £80 resident. (Sussex.)—No. 356.

Mistress for Chemistry, Physics, Latin, and Geography. Salary £90 resident. (Warwick.)—No. 354.

Assistant Mistress for Boys' Preparatory Department. Salary £70 resident. (Lancs.)—No. 352.

Assistant Mistress for English and Botany. Salary £60.—No. 350.

Head English Teacher, one holding Degree preferred. Salary £100 resident.—No. 346.

Senior Assistant Mistress, able to prepare for Examinations. Salary £70 to £80 resident. (Hants.)—No. 342.

Form Mistress, B.A. Lond. or equivalent, for French and Geography. Salary from £120 resident. (Somerset.)—No. 341.

Mistress for Preparatory Form, with special qualifications for teaching young children. English, French (Direct Method), Nature Study, Piano. Salary from £100 resident. (Somerset.)—No. 340.

Assistant Mistress who has specialized in History; would also have to take some English Language and Literature. Salary £120 resident. (Hunts.)—No. 337.

Assistant Mistress for Mathematics and French (Mixed School). Salary £130 resident. (Midlands.)—No. 329.

Two Assistant Mistresses to take between them Latin, French, Literature, English, Mathematics, Botany, Drawing, Games, and Drill. (Worcester.)—No. 322.

Assistant Mistress for Modern Geography, some Junior English and Latin. Salary about £90 resident. (Sussex.)—No. 320.

Assistant Mistress for School in South India. Good English, Mathematics; Latin or French. Salary £100 resident and Laundry. Passage paid on 3 years' engagement.—No. 318.

English Mistress for a large Junior Form. English subjects, and to take Mathematics for Senior Form up to Senior Oxford standard. Salary £100 resident. (Bucks.)—No. 312.

Assistant Mistress for English subjects and elementary Mathematics. Salary about £80 resident. (Middlesex.)—No. 310.

Assistant Mistress for History and English. Latin to Matriculation if possible. Salary £70 to £100 resident.—No. 307.

Assistant Mistress, with Degree or Higher Local Honours and experience, for History and English to Matriculation standard. Good salary according to qualifications. (Yorks.)—No. 304.

Experienced Head English Mistress, with Botany, Modern Geography, good Arithmetic, and elementary Mathematics. Salary £100 resident. (Essex.)—No. 297.

Assistant Mistress, Graduate, for Mathematics, Scripture, and Botany. Salary £100 resident. (Wales.)—No. 291.

First-class English Form Mistress wanted, with Degree and experience. English and French essential. Salary £100 resident. (Kent.)—No. 289.

Assistant Mistress for English, Latin, and Mathematics to Matriculation. Salary £100 resident. (Near London.)—No. 275.

Assistant Mistress for English and French. Arithmetic, Class Singing, Music desirable. Salary about £90 resident.—No. 268.

Senior Assistant Mistress. English the main subject; also to take History with Form VI. Commencing salary £200. Public School. (Devon.)—No. 267.

Assistant Mistress for Latin, Mathematics, and Old English. £80 resident, £120 non-resident. (Near London.)—No. 265.

Two Assistant Mistresses, to take between them History, Geography, Mathematics, Latin, and Botany. Salary £75 each resident. (Surrey.)—No. 264.

Two Assistant Mistresses wanted, to take between them good Modern Geography and Botany, English History and Literature. Salary about £90 each, resident.—No. 257.

Assistant Mistress to teach Mathematics to Matriculation, and either Modern Geography, Latin, or German. Salary £95 resident, £150 non-resident. (Middlesex.)—No. 255.

Assistant Mistress for Geography and Mathematics. Salary £70 resident. (Essex.)—No. 248.

Senior Mistress, Graduate, English, Mathematics, and Latin. Salary £150 non-resident.—No. 235.

English Mistress to take Work to Senior Cambridge standard. Salary £80 resident.—No. 114.

Assistant Mistress wanted for English and Latin. Salary £100 resident.—No. 094.

Two Assistant Mistresses wanted. Geography and Botany, German, Latin. Salary £70 each. (Ireland.)—No. 090.

CONTINUED ON NEXT PAGE.

Messrs. GRIFFITHS, POWELL & SMITH'S JANUARY VACANCIES — Continued.

Assistant Mistress for general English and some Mathematics. Salary £75.—No. 086.

Assistant Mistress for Mathematics and Geography. Salary £100 to £120 resident. (Kent.)—No. 085.

Assistant Mistress for Arithmetic, Algebra, and Geometry, some Geography—all to Senior Cambridge standard. Salary £90 res.—No. 080.

Assistant Mistress wanted to take good English, Mathematics to Matriculation, elementary Botany. Salary £70 or more.—No. 046.

MATHEMATICAL AND SCIENCE**VACANCIES.**

Mistress for Mathematics to Senior Oxford standard. Salary £80 resident and laundry. (Sussex.)—No. 400.

Mistress to take Mathematics to Matriculation standard and elementary Chemistry. Boys' School. Salary £180 resident. (Essex.)—No. 363.

Assistant Mistress with Honours Degree if possible, for Chemistry. Public Secondary School.—No. 333.

Mistress for Science (Chemistry, Physics, and Botany) and Mathematics. Salary £120 resident. (Sussex.)—No. 332.

Mistress for Form IV. Mathematics and general elementary Science. Salary £160 to £250 non-resident. (Wales.)—No. 330.

Science Mistress. Degree essential. Chemistry and Physics. Initial salary £150 non-resident, rising according to scale. Public High School.—No. 326.

Assistant Mistress to take Botany throughout the School and help with English or Mathematics. (Essex.)—No. 315.

Assistant Mistress for Mathematics and Science. Salary £160. Large Public School. (Wales.)—No. 311.

Science Mistress wanted. Salary £180 non-resident, plus £20 in lieu of pension. (Midlands.)—No. 236.

Assistant Mistress for Mathematics and Science. Salary £100 to £110 resident.—No. 283A.

MODERN LANGUAGES.

Well Qualified Modern Language Mistress. French to Matriculation standard, and if possible Botany to same standard. (Berks.)—No. 401.

Assistant Mistress to take French to Matriculation standard, and Junior English. Salary £130 non-resident. (Lincs.)—No. 344.

Mistress to teach French throughout the School. Salary £120 resident. (Hunts.)—No. 336.

Modern Language Mistress, Graduate. French to Senior Cambridge, German or Latin. Salary according to County Scale, £160 to £180 non-resident. Public School.—No. 335.

Mistress for thorough French acquired abroad. Salary £110 resident. First-class Boarding School. (Surrey.)—No. 286.

Assistant Mistress for thorough French. Should hold Diploma or Degree, and residence abroad is desired. Salary £80.—No. 407.

MUSIC VACANCIES.

Mistress for Piano, Theory, Harmony, and Aural Culture. Salary £65. (Surrey.)—No. 396.

Excellent Music Mistress for Piano. Salary £120 resident. (Lancs.)—No. 389.

Music Mistress, able to prepare for Examinations, Higher Division Associated Board. Salary according to qualifications and experience. (Hants.)—No. 380.

Music Mistress with Degree. Piano, Theory, Solo and Class Singing. Salary from £70 resident. (Lancs.)—No. 377.

Music Mistress, L.R.A.M. if possible, for Piano and Singing. (Worcester.)—No. 368.

Music Mistress for Piano, Singing, and Harmony. Salary £65.—No. 339.

Good Music Mistress for first-rate Piano. Salary £95 resident. (Derbyshire.)—No. 325.

Music Mistress, L.R.A.M. or equivalent. Piano, Violin, Voice Production, and Singing. (Wilts.)—No. 324.

Good Music Mistress for Piano and Solo Singing. Salary £100 resident. (Scotland.)—No. 299.

Music Mistress, L.R.A.M. or A.R.C.M. Good Piano, Theory, and Singing. Salary £60. (Wales.)—No. 292.

Good Senior Music Mistress. Piano, Theory, Harmony, Class Singing. L.R.A.M. or A.R.C.M. Salary from £80 resident.—No. 280.

Music Mistress for Piano, Class Singing, and Theory. Salary £60. (Wales.)—No. 281.

Music Mistress for Piano and Singing. Salary £70. (Dorset.)—No. 247.

Senior Music Mistress with Degree. Violin chief subject. Piano (junior). Salary £90 to £100 resident. (Somerset.)—No. 241.

KINDERGARTEN TEACHERS.

Kindergarten Mistress with Higher N.F.U. Salary £60. (Cheshire.)—No. 404.

Kindergarten Mistress with Higher N.F.U. for School in India. Churchwoman. Salary £130 resident.—No. 403.

Kindergarten Mistress with Higher N.F.U. if possible. Salary £100 non-resident. (London.)—No. 395.

Kindergarten Mistress for first-class School. Good salary. (Lancs.)—No. 388.

Assistant Mistress for Forms I and II. Froebel trained and able to take Ablett's Drawing. Salary £70. (Surrey.)—No. 375.

Kindergarten Mistress with Froebel Certificate. Salary according to qualifications. (Lancs.)—No. 357.

Kindergarten Mistress to teach in the Kindergarten and Transition Classes. Resident or non-resident. (London.)—No. 347.

Kindergarten Mistress with Higher Froebel Certificate. Salary £110 non-resident.—No. 345.

Kindergarten Mistress for a School in South India. Higher Froebel Certificate. Churchwoman. Salary £100 resident.—No. 319.

Kindergarten Mistress for Private Day School. £80 resident, £120 non-resident. (Wales.)—No. 296.

Kindergarten and First Form Mistress. Salary according to qualifications and experience. (Scotland.)—No. 287.

Junior Form Mistress with Ablett's Drawing. Salary £80.—No. 283.

Trained Kindergarten Mistress. Salary £75 resident. (Scotland.)—No. 266.

Kindergarten Mistress for large School in Ireland. Good salary to suitable applicant.—No. 092.

Kindergarten Mistress, able to prepare students for Froebel Examinations. Salary £130 non-res. (Scotland.)—No. 088.

ART VACANCIES.

Assistant Mistress for Art and Needlework. Salary £130, rising to £220. (Suffolk.)—No. 393.

Art Mistress. First-class School. Good salary to suitable lady. (Lancs.)—No. 391.

Assistant Mistress for Drawing, Painting, Needlework, Games, Dancing. (Lancs.)—No. 359.

Art Mistress for Ablett's Drawing and Painting. Salary £60.—No. 350.

Art Mistress. Able to prepare for R.D.S. Examinations. Salary £70.—No. 225.

GAMES AND GYMNASTIC VACANCIES.

Physical Mistress for Gymnastics, Drill, Dancing, Games. Salary £70.—No. 244.

Physical Mistress. Swedish Gymnastics. Dancing in all its branches. Salary £70.—No. 093.

Drill Mistress wanted for Public Secondary School. Initial salary £200 to £250 non-res.—No. 250.

Gymnastic and Games Mistress with Dancing. Salary £70.—No. 300.

Gymnastic and Games Mistress. Salary £80 resident.—No. 316.

Assistant Masters' Department.

Schools Transfer Department.

Ex-Officers, University men, and others seeking posts in Public, Preparatory, and other Schools, should write at once for particulars of Vacancies occurring in JANUARY NEXT, or the SUMMER TERM.

Schools and Partnerships Transferred and Valued.—Please see page 828 for brief particulars of some of the Schools Messrs. GRIFFITHS, POWELL & SMITH now have for Sale. List of Boys' and Girls' Schools for Transfer and of Partnerships sent to intending purchasers, to whom no Commission will be charged.

12 & 13 HENRIETTA STREET, COVENT GARDEN, LONDON, W.C.2.

Telegraphic Address: "Scholasque, Westrand, London."

Telephone: Gerrard 7021.

Posts Vacant—continued.

ASSOCIATION OF UNIVERSITY WOMEN TEACHERS.—Teachers, with University qualifications (degree or equivalent), requiring posts in Public or Private Schools, are invited to apply to the Secretary. Subscription 5s. per annum. Forms of admission supplied to those only who state the degree or equivalent in applying to the SECRETARY, 108 Victoria Street (first floor), S.W.1.

MISTRESS, with good qualifications and experience required to teach Scripture, English, and History in small, good-class private school, S.W. London. Good salary. Address—No. 10,935.*

VISITING MISTRESS required in January, one or two days a week, to teach Science and Geography in large Private School, North of London. Address—No. 10,940.*

WANTED, in January, **JUNIOR FORM MISTRESS** (Resident). Good Geography desirable. Initial salary according to qualifications and experience. Apply—PRINCIPAL, Ethandene, Westgate-on-Sea.

LIVERPOOL.—Resident **MISTRESS** wanted in January in good Private School for Girls. Essential subjects: Geography, Botany, Arithmetic, Mathematics and Games desirable. Comfortable home; good salary. Address—No. 10,946.*

THE MAYNARD SCHOOL, EXETER.—Required, in January: (1) **HISTORY MISTRESS.** Geography desirable. Good Honours Degree essential. Initial salary, £160 to £240. (2) **MODERN LANGUAGE MISTRESS.** Honours Degree essential. Residence abroad desirable. Initial salary, £150 to £230. Apply—HEAD MISTRESS.

Posts Vacant—continued.

REQUIRED, in April or June, for a Government High School in South Africa, five **MISTRESSES**. (1) Piano and Harmony, full diploma, experience essential; (2) Kindergarten, Head of Department; (3) and (4) to share Classics, English, History, degree and training essential; (5) Dancing and Swedish Drill, good diploma essential.

Salary from £170 non-resident. Residence in the School costs £32. 10s. per annum. Light supervision. Passage out paid on three years' agreement. Apply, with full particulars, to Mrs. BROUGH, Association of University Women Teachers, 108 Victoria Street, London, S.W.1.

BATTERSEA POLYTECHNIC, S.W.11.—The Governing Body invite applications for the appointment of an **ASSISTANT LECTURER** (man or woman) in the College of Hygiene. A University Degree (or equivalent) in Chemistry, and a special qualification in Hygiene or Public Health, are essential. Salary: Man Lecturer, £300 to £350, according to qualifications and experience, rising by £10 to £440. Woman Lecturer, £200 to £240, according to qualifications and experience, rising by £10 to £310. For full particulars send stamped addressed envelope to the SECRETARY.

LANGUAGE MISTRESS, with training and experience, required in January for Private Day School. French and Latin to London Matriculation standard; elementary English, Resident salary £90 to £100. Address—No. 10,947.*

GAMES MISTRESS wanted to take Swedish Drill, Dancing, Swimming, Games. Public School—100 girls. Good playing fields. Salary according to qualifications. Apply—Miss ELLERT, 69 Petergate, York.

Posts Vacant—continued.

HEAD OF PREPARATORY HOUSE.—Wanted, in January, Lady to act as Head of new Preparatory House. Scholastic qualifications a recommendation. Apply—PRINCIPALS, St. Annes High School, St. Annes-on-the-Sea.

LADY LUMLEY'S GRAMMAR SCHOOL, PICKERING, YORKS.—Wanted, in January, two **ASSISTANT MISTRESSES** to teach (1) Domestic Subjects and junior Form English, (2) Drawing and Nature Study. Games or Drill a recommendation. Commencing salary in each case £150, with increments according to North Riding (Yorks) scale. Applications to be sent to the Clerk to the Governors, Mr. J. L. WHITEHEAD, Hungate, Pickering.

WANTED, for January. — Two **MISTRESSES**: (1) Domestic Science, (2) Modern Languages, who will, between them, take charge of a Senior House. Apply—The PRINCIPALS, Elmwood, Harrogate.

Sale or Transfer.

GRADUATE, with wide experience in teaching, desires purchase Girls' Day and Boarding School. **FRENCH LADY** (diplômée) requires Partnership, with view to succession. Experience first-class English schools. Capital £500. French boarders' connexion. **GIRLS' OR BOYS' PREPARATORY SCHOOL** wanted by Lady (L.L.A., A.L.C.M.). **PARTNERSHIP IN GOOD BOYS' PREPARATORY SCHOOL** sought by Graduate. Good experience. Capital, £3,000.—HOOPER'S, Ltd. (Educational Agents), 13 Regent Street, London, S.W.1. No charge to vendors. Established 1881.

* Replies to these advertisements should be addressed "No. —, c/o Mr. William Rice, 3 Ludgate Broadway, E.C.4." Each must contain sufficient *inset* stamps to cover postage on to advertiser. Post cards will NOT be sent on.

The Journal of Education and School World.

ADVERTISERS are reminded that a revised scale of charges will come into force with the JANUARY 1920 issue.

Commencing with that number, which will be the first of the 52nd year, the following rates will hold good:—

One page, £8. 10s. 0d.

Half page, £4. 10s. 0d.

Quarter page, £2. 10s. 0d.

One-eighth page, £1. 5s. 0d.

Per inch in column, 12s. 6d.

School Announcements will be charged as follows:—

Scholarships, Official Notices, School Transfers, Partnerships, &c.—9d. per line; minimum charge, 7s. 6d.

Posts Wanted or Vacant—30 words for 3s.; each 10 words after, 1s.; *prepaid rate*.

Lectures, Classes, Non-Resident Posts, &c.—48 words for 4s. 6d.; each 8 words after, 1s.; *prepaid rate*.

London: Mr. WILLIAM RICE, 3 Ludgate Broadway, E.C.4.

ASSISTANT MISTRESSES AND GOVERNESSES.

Messrs. GABBITAS, THRING & CO.,

36 SACKVILLE STREET, LONDON, W.1,

invite applications from qualified Ladies who are looking for posts in the Teaching Profession.

This Agency, which is under distinguished patronage, has been established over 40 years.

The following are some of the Vacancies for Mistresses for January, 1920, for which MESSRS. GABBITAS, THRING & CO. have been asked to put forward candidates:—

General Form Mistresses.

CHIEF ASSISTANT MISTRESS required, in important School within easy reach of London, to teach English as a main subject. Graduate and previous experience essential. Initial salary £225, rising by £12 to £265 non-res.—No. 15,044.

SENIOR ENGLISH MISTRESS, in large Girls' Boarding School in North of England, to teach English, Mathematics, and Latin. Graduate with previous experience essential. Salary £100 to £120, in addition to board and residence.—No. 14,937.

HISTORY SPECIALIST in important Girls' School in North of England. Graduate with previous experience essential. Post res., and good salary according to qualifications and experience.—No. 15,119.

ASSISTANT MISTRESS to teach general English subjects, and capable of preparing for Oxford Local Examinations, in important Girls' Boarding School on South Coast. Salary up to £100, in addition to board and residence, according to qualifications.—No. 14,993.

Mathematical and Science Mistresses.

MATHEMATICAL MISTRESS in important Girls' School in Wales. Graduate with previous experience essential. Salary £200 to £350 non-res., according to qualifications.—No. 14,949.

SCIENCE MISTRESS in important Girls' School within easy distance of London. Member of the Church of England and Graduate essential. Post could be held either as a res. or non-res. one, and in either case a good salary will be offered according to qualifications.—No. 15,039.

SCIENCE MISTRESS in important Girls' Boarding School on South Coast, to teach Geography, elementary Chemistry, and Botany. Graduate with previous experience essential. Salary offered £130 res., or £180 non-res.—No. 15,042.

BOTANY SPECIALIST in important Girls' School in Wales. Graduate with previous experience essential. Salary £200 to £360 non-res., according to qualifications.—No. 15,013.

SCIENCE MISTRESS, to teach Botany, Modern Geography, and elementary Mathematics in large Girls' School within easy distance of London. Graduate with previous experience essential. Salary not less than £100 res.—No. 14,535.

MATHEMATICAL MISTRESS in important Girls' High School within easy distance of London. Graduate with previous experience essential. Initial salary £175 non-res.—No. 14,806.

SCIENCE MISTRESS in important Girls' School in North Wales, to teach Botany, Mathematics, and if possible Physics and Chemistry. Graduate with previous experience essential. Post will be res. and good salary offered, according to qualifications.—No. 15,001.

Classical Mistresses.

CLASSICAL MISTRESS required, in important Girls' School in North of England, to offer, if possible, Mathematics as subsidiary subject,

but this is not essential. Graduate, with previous experience essential. Salary £120, rising by £10 to £160 to a maximum of £390, in addition to board and residence.—No. 15,088.

CLASSICAL MISTRESS in important Girls' Boarding School on South Coast. Graduate with previous experience essential. Salary offered about £120 res., according to qualifications.—No. 15,112.

CLASSICAL MISTRESS in important Girls' School within easy distance of London. Graduate, with previous experience essential. Salary from £120 res., according to qualifications.—No. 14,941.

ASSISTANT MISTRESS, to teach Latin as chief subject, in important Girls' Boarding School in North of England. Graduate, with previous experience essential. Salary about £120, in addition to board and residence.—No. 14,853.

Kindergarten and Lower Form Mistresses.

KINDERGARTEN MISTRESS required in high-class Girls' Boarding School in Ireland. Candidate looked for who has full Froebel Certificate. Good salary offered, in addition to board and residence, according to qualifications.—No. 14,453.

JUNIOR FORM MISTRESS in important High School in North of England. Candidate looked for who has had some previous experience. Post will be non-res. and good salary offered, according to qualifications.—No. 15,004.

JUNIOR MISTRESS in important Girls' Boarding School on South Coast, to offer Games as one of her principal subjects. Salary about £100, in addition to board and residence.—No. 15,041.

LOWER FORM MISTRESS in important Boys' Grammar School in North of England. Some training and experience essential. Post will be non-res. and good salary offered, according to qualifications.—No. 14,998.

ASSISTANT MISTRESS to take charge of a Junior Department in important Boys' Secondary School in North of England. Higher Froebel Certificate essential. Salary from £200 to £250 non-res., according to qualifications.—No. 14,894.

KINDERGARTEN MISTRESS in important Church of England School within easy distance of London. Froebel Certificate essential. Salary from £140 non-res., according to qualifications and experience.—No. 14,932.

Modern Language and Foreign Mistresses.

FRENCH MISTRESS, in important Girls' Finishing School, in East of England. Brevet Supérieur and previous experience essential. Salary from £60, in addition to board and residence, according to qualifications.—No. 14,918.

FRENCH MISTRESS, in important Girls' Boarding School, in London district. Brevet Supérieur and previous experience essential. Salary offered £80, in addition to board and residence, or £150 non-res., according to qualifications.—No. 15,022.

SENIOR FRENCH MISTRESS, in important Girls' High School, in North of England. Residence abroad and previous experience essential. The post will be res. and good salary, according to qualifications.—No. 15,120.

ASSISTANT MISTRESS, to teach French, preferably on Phonetic System, residence abroad desirable, in important Girls' High School, in North of England. Post res. and good salary, according to qualifications.—No. 15,110.

ASSISTANT MISTRESS, to teach French throughout the School, in important Girls' Boarding School in the North of England. Degree, with residence abroad essential. Salary not less than £120, in addition to board and residence, according to qualifications.—No. 15,046.

Gymnastic Mistresses.

ASSISTANT MISTRESS to teach Games and Gymnastics, in high-class Girls' School in the London district. Fully trained teacher essential, preferably one from the Dartford and Anstey Physical Training College. Salary not less than £100 res., according to qualifications.—No. 15,086.

ASSISTANT MISTRESS to teach Physical Training, Swedish Drill, Games, and Remedial Exercises, in high-class Girls' Boarding School in South-west of England. Fully trained and experienced teacher essential. Salary from £100, rising by £10 to £120, in addition to board and residence, according to qualifications.—No. 14,930.

PHYSICAL CULTURE MISTRESS in large and important Girls' School within easy distance of London. Member of Church of England essential. Candidate appointed must also be fully trained. Salary about £80, in addition to board and residence.—No. 14,893.

GYMNASTIC AND GAMES MISTRESS in large and important Girls' School in Scotland. Fully trained and experienced teacher essential. Salary not less than £100, in addition to board and residence, according to qualifications.—No. 14,768.

Music Mistresses.

SENIOR MUSIC MISTRESS required in important Girls' Boarding School on South Coast. Fully qualified and experienced teacher essential. Salary about £120 in addition to board and residence, according to qualifications.—No. 15,090.

MUSIC MISTRESS in high-class Girls' Boarding School within easy distance of London. Fully qualified and experienced teacher essential. Salary not less than £85 in addition to board and residence.—No. 15,003.

SECOND MUSIC MISTRESS in important Girls' Church of England School in the South of England, to teach Pianoforte, with Junior Class Singing. Post will be res., and candidates in applying are asked to state the salary that they require.—No. 15,096.

Messrs. GABBITAS, THRING & Co. have also on their Books Vacancies for Matrons, Student Mistresses, Private Governesses, and Foreign Mistresses.

Candidates desiring to apply for any of the above or other suitable vacancies should write fully to MESSRS. GABBITAS & THRING, stating their age, qualifications and experience, and enclosing copies of their Testimonials.

A Prospectus will be forwarded gratis on application. NO CHARGE FOR REGISTRATION, and no Fee of any kind is due unless an Appointment be obtained through the Agency.

SCHOOL TRANSFERS AND PARTNERSHIPS.

MESSRS. GABBITAS, THRING & CO. have a large number of BOYS' and GIRLS' SCHOOLS on the books in their Transfer Department. On learning a Purchaser's qualifications and requirements, they will send notices of opportunities likely to prove suitable, without making any charge to Purchasers.

Truman & Knightley

SCHOLASTIC AGENTS LTD

ASSISTANT MISTRESSES' DEPARTMENT.

Ladies with University or other qualifications and teachers of special subjects seeking appointments in Public and Private Schools should register with **Messrs. TRUMAN & KNIGHTLEY**, who will be pleased to give their requirements careful and personal attention.

There is no registration fee, and the charges made to those for whom an appointment is secured are very reasonable.

The following are selected from a large number of **Lent Term Vacancies**, for which **Messrs. TRUMAN & KNIGHTLEY** have been instructed to put forward candidates:—

JANUARY VACANCIES FOR UNIVERSITY WOMEN.

ENGLISH, HISTORY, AND GENERAL FORM MISTRESSES.

History Specialist for High School in the Eastern Counties for advanced course. Good salary, either resident or non-resident, according to qualifications and experience.—A 78221.

Assistant Mistress of Method for Training College in the North of England. Special qualifications in the training of Infant Teachers. Res. from £140.—A 77914.

Senior Mistress to teach general Form work in large Day School in London. Good experience and success in preparing for Public Examinations. Res. £120 to £130.—A 77992.

Assistant Mistress for high-class Public School near London to teach History, Latin, and elementary Greek. Degree or equivalent. Res. £85 to £90, increasing to £130. Pension scheme under consideration.—A 78047.

Second English and Fourth Form Mistress for high-class Boarding School on South Coast to teach Literature, History, and some Mathematics and Latin. Experience. Churchwoman. Res. £90.—A 73923.

Third Form Mistress for Girls' Public Day School in the Eastern Counties to teach general English subjects and some Mathematics in Middle School. Non-res. £130 to £150.—A 77980.

English Mistress for large Private Boarding and Day School in the Midlands, to teach general English subjects to Senior Cambridge Local standard, French, with Botany or general elementary Science. Experience. Res. £100.—A 74369.

Assistant Mistress, to teach History and Geography in important Public School in the South-west of England. Good qualifications essential. Non-res. £150 to £190.—A 74151.

Lecturer in French and English for Elementary Training College in South-western Counties. Res. from £120 upwards, according to qualifications, &c.—A 78483.

Assistant Mistress for first-class Church Boarding School near London, to teach English and History. Res. about £110.—A 78956.

English Mistress for large well-known Public Girls' School in London, to teach English in middle and upper school, including Advanced Course work. Honours degree and some experience essential. Non-res., good salary.—A 78454.

Assistant Mistress for first-class Private School in Home Counties, to teach History, Latin, Scripture, and help with Games. Good res. salary for suitable candidate.—A 78729.

English Mistress for high-class Endowed Girls' School near London, to teach English to Scholarship standard if necessary, also Latin to Matriculation. A graduate with a little experience looked for. Res. £100 to £115.—A 79132.

MODERN LANGUAGE MISTRESSES.

Modern Language Mistress for high-class Boarding School in Home Counties, to teach French and some German. Good qualifications essential. Res. £110 to £130.—C 77834.

Assistant Mistress for Church of England Boarding School in Home Counties, to teach

German and good English, for Middle Forms' Res. £80 to £100.—C 78075.

Modern Language Mistress for important Boarding School on South-east Coast, to teach French and Italian. Res. post with good salary.—C 77641.

French Specialist for Public High School in the Eastern Counties. Degree, residence abroad, and experience essential. Non-res. £150 to £160, increasing.—C 78222.

Head Assistant Mistress for Public Co-Educational Secondary School in Yorkshire to teach French. Subsidiary Latin or some other subject or Games would be a recommendation. Good qualifications, experience in resident work, and good discipline essential. Res. £110 to £130.—C 78549.

French Mistress for important Public School for Girls in London, with second subject Latin or English. Two years' experience essential. Non-res. from £180.—C 79065.

French Mistress with a knowledge of Phonetics for important Public School for Girls in Midlands. Some Latin required and Games a recommendation. Non-res., salary according to scale.—C 78128.

French Mistress for high-class Private Girls' School in northern Spa. English or Nature Study a recommendation. Residence abroad and some good qualification essential. Training or experience. Res. about £120.—C 78551.

French Mistress, with first-rate qualifications, for first-class Church Boarding School near London. Resident up to £120.—C 78759.

CLASSICAL MISTRESSES.

Second Mistress for Nonconformist Public Boarding and Day School in Home Counties, to teach Classics and Scripture. Graduate with experience, and Nonconformist essential. Res. from £100, increasing £10 annually.—C 77758.

Assistant Mistress, to teach Latin in Boys' Preparatory School in London. Res. £80 to £100.—C 78126.

Assistant Mistress for important Public High School in Scotland, to teach Latin throughout the School. Honours Degree essential. Non-res. £160 to £220.—C 72958.

Classical Mistress for Public Secondary School for Girls in Yorkshire to take Advanced Course work. Non-res., salary according to scale.—C 78784.

MATHEMATICAL, SCIENCE, AND GEOGRAPHY MISTRESSES.

Assistant Mistress to teach advanced Mathematics, in high-class Boarding School on South Coast, recognized as efficient by the Board of Education. Res. £150, or non-res. £200. Pension scheme under consideration.—C 77870.

Mathematical and Science Mistress for the Middle School of a Municipal Secondary School in the North-west of England, degree or equivalent. Non-res. £150 to £180, rising according to a good scale.—C 73610.

Mathematical Mistress for high-class Public and Day School in Home Counties, to teach Mathematics to Matriculation standard, with

Geography, Latin, or German. Experience. Res. £85 to £95, or non-res. £130 to £150.—C 78310.

Mathematical Mistress for Church of England Public School in South Africa. Res. £160 and passage.—C 71447.

Science Mistress for large Private Secondary School in the Midlands to teach Chemistry to the top Forms, and general Science in the Middle School. Non-res. from £180, plus pension.—C 78167.

Botany Mistress for Public High School in South Africa. Res. £125 and passage.—C 71547.

Science Mistress for Endowed Secondary School in Home Counties to teach Botany, with Physics or Chemistry. Non-res. from £150, increasing according to liberal scale.—C 77256.

Science Mistress for important Public Secondary School in the Midlands to teach Chemistry, Physics, and Botany. Non-res. £190, increasing to £250.—C 77898.

Geography Mistress for Private Boarding and Day School on South Coast, to teach Geography and Mathematics to Middle School. Res. from £100.—C 74366.

Senior Mathematical Mistress for high-class Private School for Girls in London. Good salary res. or non-res.—C 78502.

Mathematical Mistress for Seniors, with charge of middle form for Public Secondary School for Girls in London. Preference given to an Honours Graduate. Good discipline essential. Non-res., salary according to scale.—C 78856.

Physics Mistress for Public Secondary School for Girls in London to teach beyond Matriculation standard, for practical work to Intermediate standard, with some Chemistry. Non-res., salary according to scale.—C 77254.

Science Mistress for high-class Private School on South Coast to teach Botany for Matriculation with some Chemistry, Physics, and Mathematics. Preference given to a London Graduate. Res., good salary.—C 78097.

Science Mistress for Church of England Boarding School in Midlands to teach Chemistry to Higher Certificate and University standard, with Mathematics in Middle School. Res., good salary.—C 78311.

Science Mistress for high-class Private Girls' Boarding School in North-western Counties to teach Botany and elementary Science. Good Chemistry a recommendation. Res. from £120, or non-res. £170 to £180 initial.—C 75402.

Science Mistress for important endowed Girls' School in South-western Counties to teach Physics, Chemistry, and Botany. Graduate essential. Non-res. £190 rising by £10 to £250.—C 77898.

Science Mistress for Public Secondary School for Girls in Eastern Counties to teach Botany to Senior Cambridge standard, also elementary Science. Non-res. salary for graduate £150 or more, rising to £270. Non graduate £130 or more, rising to £210.—C 79013.

Geography Mistress for first-rate Private School in South-eastern Counties to teach Geography on modern lines, and elementary Science. Good salary res. or non-res.—C 77647.

CONTINUED ON NEXT PAGE.

TRUMAN & KNIGHTLEY, Ltd., ASSISTANT MISTRESSES' DEPARTMENT (continued).**JANUARY VACANCIES FOR NON-UNIVERSITY WOMEN.**

There is a large demand for well-educated gentlewomen with Higher Local or other good certificates, interested in children and in teaching, for teaching appointments in good Private Schools and as House Mistresses in Public Schools, where the work is not excessive, the conditions pleasant, and the holidays are long. Salaries range from £50 to £120 or more per annum, with board and residence, according to qualifications and experience. There are also many vacancies for Student Teachers, Junior Mistresses, and House Governesses or Duty Mistresses at salaries from £30 to £60 or more per annum, with board and residence.

JANUARY VACANCIES FOR TEACHERS OF SPECIAL SUBJECTS.**FROEBEL TRAINED MISTRESSES.**

A Mistress for Public High School in the North of England to take charge of Form I, children about 8 years of age, and give some help in other parts of the school. N.F.U. training essential. Non-res. £140 to £160 increasing.—J 78077.

Froebel Trained Mistress for Public Secondary School in the North of England to take charge of Form above the Kindergarten. Non-res. £120, plus £10 for each year's experience.—J 78203.

Kindergarten Mistress for Church Secondary School in India. Higher N.F.U. Certificate. Res. up to £120 and passage.—J 77135.

Kindergarten Mistress for Government School for Indian noblemen's children, with Handwork and some of the following:—Physical Culture, elementary Science, Needlework, including Embroidery. Non-res. salary 250 rupees per mensem, rising to 400 rupees per mensem, with allowance of 50 rupees per mensem for board and free furnished quarters.—J 78331.

Kindergarten Mistress for County School for Girls in Western Counties. Higher N.F.U. Certificate preferred. Non-res. according to scale.—J 78702.

Froebel Trained Mistress for well-known Training Institution for training gentlewomen as Children's Nurses in London, to lecture on History of Education, Child Nature, and Needlework, also the usual Kindergarten subjects. Experience essential. Res. salary £80 per annum.—J 78989.

ART MISTRESSES.

Senior Art Mistress for large Public School in the South of England. First-rate qualifications and experience essential. Non-res. £150, increasing to £300, according to scale.—B 78205.

Art Mistress for preparatory department of important Public School in Scotland, to teach Drawing, with Handwork and Needlework. Non-res. £180.—B 73004.

Art Mistress for large Public Day School in the West of England. Non-res. from £130, according to scale, increasing to £220.—L 78198.

Art Mistress for Public Secondary School in the North of England, to teach Drawing and General subjects to Junior Forms: Class Singing a recommendation; experience. Res. £80.—B 78176.

Art Mistress for large Private Boarding and Day School on the North-west Coast, with good qualifications and experience. Res. £110 to £120.—B 78765.

Art Mistress, trained at the Royal College of Art, for Public High School in West of England, able also to teach Needlework and Embroidery. Non-res. £130, plus extra fees.—B 78026.

MUSIC MISTRESSES.

Music Mistress for Public School in the Home Counties to teach Pianoforte chiefly and Violin. Good qualifications. Res. from £85, increasing to £195, or non-res. £140, increasing to £250.—B 78055.

Junior Music Mistress for large Public Boarding School in the North of England. Well trained and willing to interest herself in teaching rather backward girls. Res. about £70.—B 78243.

Music Mistress for Training College in Wales to teach Voice Production, Singing, Theory, Pianoforte, Harmony, and Musical History as required by the Board of Education and train students to teach Singing to children. Knowledge of Welsh a recommendation. Good qualifications essential. Res. £200 or more, increasing to £300.—B 78140.

Two Music Mistresses required for Public Church of England Boarding School in the North of England, to teach between them Organ, Piano, and Violin. Res. £80 and £100.—B 77142.

Music Mistress for large Co-Educational Non-conformist Boarding School in the West of England, to teach Pianoforte: good College training and qualifications essential. Aural Training and Musical Appreciation a recommendation. Res. £100 to £160 increasing.—B 78961.

Senior Music Mistress for large Public Boarding and Day School in South Wales, to teach Pianoforte and elementary Class Singing. Diploma from Royal Academy or Royal College of Music. Res. £85 to £95.—B 78839.

Music Mistress for high-class Boarding and Day School near London, to teach Pianoforte, Musical Appreciation, and Aural Culture; Royal Academy of Music or Royal College of Music training. Res. £80 to £85 with week ends free.—B 78732.

Music Mistress for Boys' Preparatory School on the South-east Coast, to teach Pianoforte, train the choir, and play American Organ; Drawing a recommendation. Res. £80 to £90.—B 78514.

Music Mistress for large Secondary Boarding and Day School on the North-west Coast, who will be one of seven Music Mistresses, to teach Pianoforte; good qualifications and experience essential. Res. about £100.—B 78665.

GYMNASTIC AND GAMES MISTRESSES.

Gymnastics and Games Mistress for Proprietary Boarding and Day School in Scotland. First-rate training and experience essential. Res. £100 or non-res. £160.—B 78083.

Teacher of Swedish Drilling, Remedial Exercises, Games, and Swimming, for high-class Boarding School in the Midlands. Dartford or Bedford training. Knowledge of Girl Guides a recommendation. Res. £100.—B 78556.

Drilling and Games Mistress, specially keen about Dancing and able to teach Swimming for Church of England Boarding and Day School in the North of England. Non-res. £150 to 180.—B 78705.

Gymnastics and Games Mistress for Municipal Secondary School for Girls in the Eastern Counties. Non-res. from £180, increasing to £250. Experience essential.—B 78616.

Gymnastics and Games Mistress for School in South Australia. College diploma and experience essential. Res. £110 and passage.—B 78706.

TECHNICAL MISTRESSES.

Domestic Science Mistress for large Public Secondary School in the South Midlands, to teach Cookery, Housewifery, and take general direction of school catering department; sound education, recognized training, and some experience essential. Non-res. £150, plus £10 for each year of past service in recognized school, increasing to £280.—B 79032.

Domestic Science Mistress for large Public Day School in West of England, to teach Cookery, Housewifery, Laundry, and Needlework. Secondary School experience essential. Non-res. £170 to £190, increasing.—B 78557.

Teacher of Dressmaking and Plain Needlework for Domestic Economy School on the South Coast. Res. £60 to £70 or more.—B 77725.

JANUARY VACANCIES FOR NATIVE FRENCH TEACHERS.

French Mistress for high-class Boarding and Day School near London, to teach French to Matriculation and Higher Local standard. Good diplomas and experience in English Schools essential. Res. about £70, might be made non-res.—F 78306.

French Mistress for Boarding School in Sussex, to teach French; knowledge of Phonetics and experience in English Schools essential. Res. £80.—C 77710.

French Mistress for Private Boarding and Day

School on the N.W. Coast. Diploma and experience. Res. £70 to £80.—C 78259.

French Mistress, with either German or Italian, for high-class Boarding School on Hampshire Coast. Diploma and experience essential. Res. £80.—CF 79034.

MATRONS' AND HOUSE-MISTRESSES' DEPARTMENT.

Messrs. TRUMAN & KNIGHTLEY have many vacancies in Public and Private Schools for Boys and Girls for experienced School Matrons, House Mistresses, and Housekeepers at salaries ranging from £50 to £100 per annum, with board and residence.

ASSISTANT MASTERS' DEPARTMENT.

This department is under the personal direction of Mr. HEARD (of Westminster and Trinity College, Cambridge), who is in personal touch with the Head Masters of many of the leading Public, Secondary, and Preparatory Schools in the British Isles. There are already a large number of good appointments on the books for January.

No Charge for Registration.

Reduced Terms of Commission.

Offices:

158-162, OXFORD STREET, LONDON, W.1.

Telegrams: "Tutors, Phone, London."

Telephone: Museum 1136.

BLACKIE'S FRENCH BOOKS

Experience has proved that Messrs. BLACKIE & SON'S Books take a foremost place by reason of their scholarly editing, clear type, strong binding, and reasonableness in price.

A JUNIOR FRENCH COURSE.

FIRST AND SECOND YEARS.

::

PUBLISHED IN TWO VOLUMES.

By E. J. A. GROVES, Lic. ès L., Senior French Master, Bedford Grammar School.

First Year, 2s. 6d. net.

Second Year, 4s. net. Now Ready.

The need of a practical French Course combining the essentials of the "Direct Method" with sound grammatical teaching has long been felt, and has been lately emphasized by the Reports on the *Teaching of French* issued by the Board of Education and the London County Council respectively. The "Direct Method" alone has been found to leave the pupils ill prepared for precise expression or exact renderings in translation, and generally wanting in an exact knowledge of French. Mr. Groves's *Junior French Course*, now issued, undoubtedly demands the consideration of all Modern Language teachers, for it will be found to combine all that is useful of the "Direct Method" with systematized grammatical instruction, largely by process of induction.

BLACKIE'S LONGER FRENCH TEXTS.

From Modern French Literature. Printed in large, clear type, with brief Notes, Exercises, Phrase List, and Vocabulary. Fcap. 8vo, 10d. net each.

BLACKIE'S LITTLE FRENCH CLASSICS.

Representing all important French Authors from Montaigne to Bourget. Fcap. 8vo. 6d. each.

FIRST STEPS IN COMMERCIAL FRENCH.

Being everyday scenes of business life described in colloquial language, with Exercises, Letters, Synopsis of Grammar, and Vocabulary. By ALBERT THOUAILLE, M.A., and E. E. WHITFIELD, M.A., sometime Lecturer at the School of Commerce, University College, Liverpool. New and Revised Edition. 2s. net.

COURS DE FRANÇAIS, d'après les Textes.

By M. ANCEAU and E. MAGEE, Edgbaston High School for Girls, Birmingham. Cloth boards, 2s. 6d. net.

BLACKIE'S COPYRIGHT FRENCH TEXTS.

A new series drawn from contemporary French Literature. With Notes and Exercises written in French, and Vocabulary. 1s. net each.

LE LIVRE ROUGE.

A First Book of French in Coloured Pictures. By E. MAGEE, Edgbaston High School for Girls, Birmingham. With many full-page Coloured Pictures and other illustrations. Fcap. 4to. 2s. 6d.

LE LIVRE BLEU.

A Second Book of French in Coloured Pictures. By E. MAGEE. With sixteen full-page Coloured Pictures and many other illustrations. 2s. 6d.

A SKELETON FRENCH GRAMMAR.

By Professor ATKINS, M.A., King's College, London. The "irreducible minimum" printed in red and black. 2s. net. With Exercises 2s. 6d. net. Exercises only, 1s. 6d.

A NEW SERIES OF FRENCH HISTORICAL READINGS FROM ORIGINAL SOURCES.

ÉPISODES MÉMORABLES DE L'HISTOIRE DE FRANCE.

General Editor: LOUIS A BARBÉ, B.A., Officier d'Académie.

PRISE DE LA BASTILLE, from Michelet's *Histoire de France*.

LA ROUTE DE VARENNES, " " "

LES FRANÇAIS A LA 1^{ère} CROISADE, " " "

STRONGLY BOUND IN LIMP CLOTH. Price 9d. net each.

BLACKIE & SON, LTD., 50 OLD BAILEY, LONDON, E.C.4.

AND AT GLASGOW AND BOMBAY.

Supplement to

THE JOURNAL OF EDUCATION AND SCHOOL WORLD.

No. 605.

DECEMBER 1, 1919.

Cambridge University Press

Britain and Greater Britain in the Nineteenth Century

By E. A. HUGHES, M.A. Crown 8vo. 5s net

"The work is interesting and illuminating, and can be thoroughly recommended to all who wish to study the history of our Empire during the last century. . . . The author is to be congratulated upon having achieved a work of high quality and wide utility."

The Teacher's World

Cambridge Readings in Literature

A Series of Anthologies from Homer to Masfield, illustrated with reproductions of pictures by great masters, from Botticelli to William Orpen. Edited by GEORGE SAMPSON. In five books. Crown 8vo. School edition, cloth flush. Books I, II, and III, 3s 6d net each; Books IV and V, 4s net each

"We have never seen more delightful books of their kind, and we predict that they will receive the most cordial of welcomes from teachers of English."—*The Scottish Educational Journal*

Plane Trigonometry for Secondary Schools

By C. DAVISON, Sc.D. Crown 8vo. 6s 6d net

"This volume has the virtue of clarity of style and simplicity of explanation. . . . The somewhat advanced second part deals with inequalities, approximations and errors, with de Moivre's theorem and various series."—*The Times Educational Supplement*

The Letters of Charles Sorley. With a Chapter of Biography. Demy 8vo. With a portrait. 12s 6d net

These letters of Charles Sorley have been published in response to many requests from readers of *Marlborough and Other Poems*. In his familiar letters to his family and friends there is material enough, when taken along with the poems, for forming a picture of the writer. There is also in them a picture of the times, especially in Germany, immediately before the war, and a criticism of life and literature, which may be found to have a value of their own.

The Holy Sepulchre, Jerusalem, and other Christian Churches in the Holy City. A brief description, with some account of the mediæval copies of the Holy Sepulchre surviving in Europe. By G. JEFFERY, F.S.A. Demy 8vo. With 59 illustrations and plans. 10s 6d net

There are certain aspects of the greatest of Christian monuments which still remain comparatively unknown. The author has cast into book form the notes which he made some few years back, and has presented these studies in a way which, he hopes, will interest others in the most famous of Christian relics.

Notes on Magnetism for the use of Students of Electrical Engineering. By C. G. LAMB, M.A. Crown 8vo. Paper covers. 5s net

Contains an outline of such portions of magnetic theory as are required by a student in order to read the ordinary technical textbooks with intelligence.

Examples in Heat and Heat Engines.

By T. PEEL, M.A. Crown 8vo. Paper covers. 5s net

Questions arranged in short papers of increasing difficulty, and taken from papers set for the courses of lectures at the Cambridge Engineering Laboratory and from the A and B papers of the Engineering Tripos.

Exercises on Rules for Latin Prose.

By T. C. WEATHERHEAD, M.A., sometime Head Master of King's College Choir School, Cambridge; formerly Bell University Scholar. Crown 8vo. 2s 6d net

Key to Exercises on Rules for Latin

Prose. By T. C. WEATHERHEAD, M.A. Crown 8vo. 7s 6d net

Accounts Rendered of Work Done and Things Seen. By J. Y. BUCHANAN, F.R.S. Demy 8vo. With illustrations. 21s net

This book contains papers on—The Mediterranean Sea; Monaco a Whaling Station; The Cruise of the "Princesse Alice" (1902); The Sperm Whale and its Food; The Wreck of Santos Dumont No. 6 (1906); Volcanoes and Earthquakes; Transportation and Civilization; Civilization and Extinction; and many other subjects. A prospectus will be sent post free on application.

Palaeontology: Invertebrate. By H. WOODS, F.R.S. Fifth edition. Crown 8vo. With 173 text-figures. 12s 6d net. Cambridge Biological Series

The general plan of this work is to give, in each group of the Invertebrata, first, a short account of its general zoological features with a more detailed description of the hard parts of the animals; secondly, its classification and the characters of the important genera, with remarks on the affinities of some forms; and thirdly, a description of the present distribution, and the geological range. Some new figures have been added in this edition, and the work has been revised throughout.

A Course of Practical Chemistry for Agricultural Students. Volume II, Part I. By H. A. D. NEVILLE, M.A., F.I.C., and L. F. NEWMAN, M.A., F.I.C. Demy 8vo. Paper covers. 5s net

Volume II, Part I, deals with such exercises in Pure Organic Chemistry as are essential for agricultural students and is entirely qualitative.

The Study of the Weather. By E. H. CHAPMAN, M.A., B.Sc. Large crown 8vo. With 56 maps and illustrations. 3s 6d net Cambridge Nature Study Series

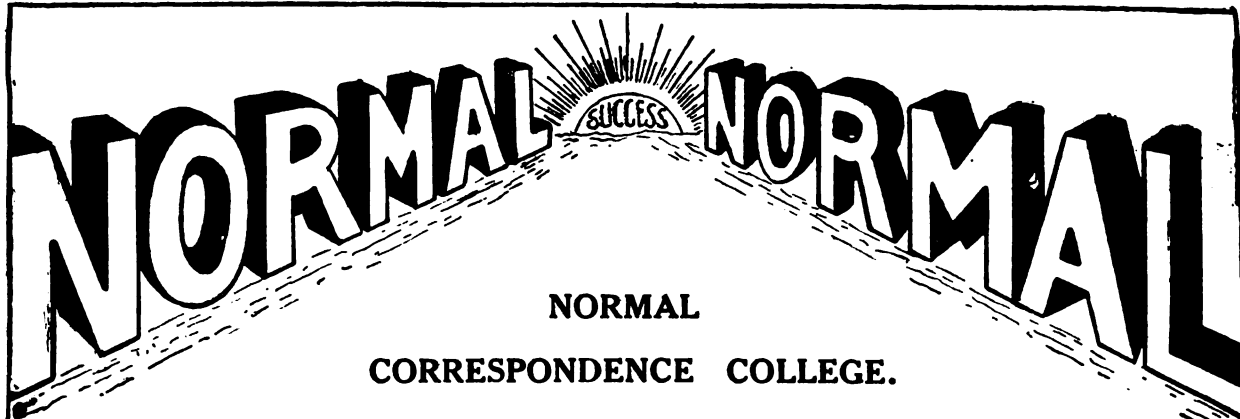
"For school use this is, without doubt, the best book yet published on the subject."—*The Journal of Education*

Plautus: Menaechmi. Edited, with introduction and notes, by CLARA M. KNIGHT, D.Lit. Extra fcap. 8vo. 5s net. Pitt Press Series

Thucydides, Book IV, Chapters I-XLI (Pylus and Sphacteria). Edited by J. H. E. CREES, D.Lit., and J. C. WORDSWORTH, B.A. Extra fcap. 8vo. With map, notes, and vocabulary. 2s 6d net. Cambridge Elementary Classics

The Cambridge Bulletin, No. XXXIV, October 1919, giving particulars of books recently published by the University Press, is now ready, and will be sent post free on application.

FETTER LANE, LONDON, E.C. 4: C. F. CLAY, MANAGER



NORMAL CORRESPONDENCE COLLEGE.

THE EFFICIENT AND SUCCESSFUL CORRESPONDENCE COLLEGE.

(FOUNDED 1889.)

The Normal makes sure of Success.

HOW IT IS DONE

NORMAL TUTORS AND NORMAL TUITION.—The Normal Courses are carefully and thoughtfully prepared by the Principals, assisted by other experts with long experience in this particular work. Changes in the syllabus are specially noted, difficulties are anticipated, any alteration in the standard of attainment required is marked, useful suggestions from former students and others incorporated, and every detail likely to affect the student is given the closest attention. The capital at the command of the Normal ensures the engagement of tutors of the very first rank, with the result that the Normal tuition is the best correspondence tuition available. The Normal aims at perfection, and spares neither time nor trouble to secure it.

METHOD OF PREPARATION.—At the beginning of each lesson a set of papers is sent to each student to be studied. The work sent is carefully graded, and the individual capacity and requirements of the pupil are minutely considered in allotting the ground to be covered. Full notes, hints, and advice accompany the work, with explicit instructions for study and working the exercises.

Thorough preparation for the examination is the essence of Normal tuition; true education in the best sense of the word is always kept in view.

CORRECTION OF WORK-PAPERS.—When completed by the students, the work-papers are sent to the College. They are carefully corrected, either by or immediately under the supervision of the Principals themselves, and promptly returned with complete solutions, model answers, maps, diagrams, &c. Difficulties are smoothed, hazy points elucidated, and more work is sent, the quantity varying with the capacity of the student.

FORECASTS OF QUESTIONS.—A test paper is sent every week, containing questions which have actually been set and shrewd forecasts of questions likely to occur. The value of the student's work is assessed and recorded in the College registers, so that the Principals always have their finger on the pulse of the Normal system.

PUPILS ENCOURAGED TO STRIVE.—By every legitimate means, the student is encouraged and stimulated to energetic effort. Occasional letters are despatched with the sole object of keeping the pupil up to pitch, and urging him to put forth his best efforts, so as to be certain of success.

WHY THE NORMAL GIVES MONEY PRIZES AND MEDALS.—The Principals, Messrs. Lyddon-Roberts and Denney, give prizes first of all as a stimulus to work, secondly to assist their successful students to pursue their studies in the higher branches of knowledge, and thirdly to call attention to the system of tuition which, judged by results alone, stands easily first as the most successful—the Normal Correspondence College.

EXAMINATIONS FOR WHICH THE NORMAL PREPARES.

Froebel.

L.L.A.

County Scholarships.

Pupil Teachers.

Board of Education:

1. Preliminary Certificate.

11. Certificate.

Oxford Locals.

Cambridge Locals.

College of Preceptors.

Professional Preliminary.

A.C.P. and L.C.P.

Central Welsh Board.

Matriculation.

Degree Examinations.

Hygiene.

Languages.

Music.

Science and Art.

Other Qualifying Exams.

47 Melford Road, East Dulwich, London, S.E. 22, and 110 Avondale Square, London, S.E. 1.

OXFORD AND CAMBRIDGE

LOCAL EXAMINATIONS, 1920.

S. denotes the Senior Examination, J. the Junior Examination,
P. the Preliminary Examination.

OXFORD.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.* (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s.* (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

- CHAUCER—THE PROLOGUE TO THE CANTERBURY TALES.** By A. J. WYATT, M.A. With Introduction, Text, Notes, and Glossary. 1s. 6d. (S.)
MACAULAY—HORATIUS, LAKE REGILLUS, THE ARMADA. By A. J. F. COLLINS, M.A. 1s. 6d. (S.)
MILTON—COMUS. By S. E. GOGGIN, M.A., and A. F. WATT, M.A. 1s. 6d. (J.)
SHAKESPEARE—KING JOHN, MERCHANT OF VENICE, MIDSUMMER NIGHTS DREAM, TEMPEST, TWELFTH NIGHT. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
SHAKESPEARE—JULIUS CAESAR. (Tutorial Shakespeare.) 2s. 3d. (S., J.)
SHAKESPEARE—AS YOU LIKE IT, MERCHANT OF VENICE, THE TEMPEST. (Junior Shakespeare.) Each 1s. 9d. (J.)
SHAKESPEARE—CORIOLANUS. (Tutorial Shakespeare.) 2s. 3d. (J.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By L. M. PENN, M.A. (School Latin Classics.) 1s. 9d.† (S.)
CAESAR—GALLIC WAR, BOOK VI. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.† (S., J.)
CICERO—DE AMICITIA. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.† (S.)
VERGIL—ÆNEID, BOOK IX. By J. F. RICHARDS, M.A. 1s. 9d.* (S.)
VERGIL—ÆNEID, BOOK X. By A. H. ALLCROFT, M.A., and J. F. STOUT, M.A. 1s. 9d.* (S.)
EURIPIDES—HECUBA. By T. T. JEFFERY, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)
XENOPHON—ANABASIS, BOOK IV. By W. H. BALGARNIE, M.A. Introduction, Text, and Notes. 1s. 9d. (S.)

CAMBRIDGE.

Religious Knowledge.

- GOSPEL OF S. LUKE.** (Preliminary Edition.) By Rev. J. F. RICHARDS, M.A., and Rev. T. WALKER, M.A. 1s. 6d.* (P.)
GOSPEL OF S. LUKE. By Rev. T. WALKER, M.A., and Rev. J. F. RICHARDS, M.A. 2s.* (S., J.)
ACTS OF THE APOSTLES. Part II, ch. 13-28. By Rev. W. H. FLECKER, D.C.L., M.A. 2s.* (S., J., P.)

English Literature.

- MILTON—COMUS, LYCIDAS.** By S. E. GOGGIN, M.A. Each 1s. 6d. (S.)
MILTON—SONNETS. By W. F. MASOM, M.A. Second Edition. 2s. (S.)
SCOTT—LAY OF THE LAST MINSTREL. CANTOS I-III. By T. T. JEFFERY, M.A. 1s. (P.)
SCOTT—LAY OF THE LAST MINSTREL. By T. T. JEFFERY, M.A. 2s. (J.)
SHAKESPEARE—TEMPEST. By A. R. WEEKES, M.A., and FREDERICK ALLEN, M.A. (Junior Shakespeare.) 1s. 9d. (J.)
SHAKESPEARE—TEMPEST, HAMLET. (Tutorial Shakespeare.) Each 2s. 3d. (S.)
TENNYSON—COMING AND PASSING OF ARTHUR. By A. R. WEEKES, M.A. 1s. 9d. [In the press.] (J.)
ENGLISH LITERATURE FROM 1579. By A. J. WYATT, M.A. 2s. 9d. (S.)

Latin and Greek.

- CAESAR—GALLIC WAR, BOOK VI.** By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. 1s. 9d.† (J.)
LIVY—BOOK V. By A. H. ALLCROFT, M.A., and W. F. MASOM, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
TACITUS—AGRICOLA. By GILBERT NORWOOD, M.A., and A. F. WATT, M.A. Introduction, Text, and Notes. 3s. Vocabulary, 1s. (S.)
VERGIL—ÆNEID, BOOK VI. By A. H. ALLCROFT, M.A., and B. J. HAVES, M.A. 1s. 9d.† (S., J.)
EURIPIDES—MEDEA. By JOHN THOMPSON, M.A., and T. R. MILLS, M.A. Introduction, Text, and Notes. 2s. 6d. (S., J.)
XENOPHON—ANABASIS, BOOK I. By A. H. ALLCROFT, M.A., and F. L. D. RICHARDSON, B.A. Introduction, Text, and Notes. 1s. 9d. Vocabulary, 1s. (J.)

* Text, with Introduction, Notes, and Maps.

† Text, with Introduction, Notes, and Complete Alphabetical Vocabulary.

Complete Catalogue of Class Books for the Oxford and Cambridge Local Examinations, post free on application.

University Tutorial Press, Ltd.

High Street, New Oxford Street, LONDON, W.O. 2.

REVIEWS AND MINOR NOTICES.

UNMUZZLED, BUT NOT DANGEROUS.

The English Elementary School: Some Elementary Facts about it. By A. W. NEWTON, formerly an Inspector of the Board of Education. (6s. net. Longmans.)

"At last I am come among you unmuzzled" is the historic phrase that occurs to one in taking up a book of recollections and opinions, set down by a man who has spent a working life-time as a school Inspector, and whose retirement enables him to cast off the strict restraints of official etiquette. Only a Matthew Arnold could dare to say, sometimes openly and sometimes under the thinnest of disguises, just what he thought of the school system whilst he was still helping in its administration. But then Arnold, "the spoilt child of the Department," only played at being an official. We could have done very well with instalments of Mr. Sneyd-Kynnersley's gay humour, and even of Mr. A. J. Swinburne's discursive notes, before the close of their official careers. As for Mr. Holmes, the world would surely have been a better place for others, and a happier place for himself, if he had been free to pour forth his soul on the subject of education twenty years earlier. Still, in his case there was no doubt much to be said, from some points of view, for the existence behind the scenes of a powerful personality, whose voice did not, except by accident, reach the ears of the educational public.

One would easily have gathered from his book, and apart from personal knowledge, that Mr. Newton has ever shone as the perfect official. If he has any enemies, which we doubt, the worst of them must admit his complete and accurate knowledge of our elementary-school system, and his consistently judicial attitude of mind. Some of his best friends, on the other hand, would probably admit that the prolonged practice of official reserve has so worked upon a naturally cautious disposition as to make Mr. Newton abnormally reluctant to express a strong opinion. We have heard it said that he advocates cheap teachers. In a double sense this is a libel. For only by a stretch of language can he be said to advocate anything; and at any rate there is no indication whatever that he favours cheap teachers, though he does go so far as to say that the proper qualification for a nursery-school assistant is not necessarily that of an ordinary assistant.

A very good instance of Mr. Newton's extreme cautiousness is his comment upon the fact (to which we also can bear witness) that whereas at one time foolish or obscene inscriptions and drawings were far from uncommon in the out-offices of schools, they are now seldom to be met with. The time to which he refers was also a time when a dozen public-houses existed in a country town where there are now only three or four; when drunkenness was far more common than now; and when, in fact, the moral tone of the community was generally lower. Here is surely a case in which one may heartily admit that progress has been made, and that those "damned Board Schools," to quote Mr. Fisher's quotation, may have had something to do with it. Not so Mr. Newton: he coldly tells us that "too much must not be made" of these changes. Numerous other instances might be given of Mr. Newton's rather exasperating cautiousness, but two must suffice. We believe that any authority on language teaching would now hold that under the ordinary conditions of school instruction, and apart from the special case of a bilingual home or district, no child should begin two foreign languages at the same time; but Mr. Newton still speaks of this question as an open one. Again, Mr. Newton leaves us to suppose that it is probably immaterial whether we teach an arithmetical rule first and give the reason for it afterwards, or adopt what has been called the method of discovery—so long as both rule and reason are given in the end. We think (though our statement might need qualification in detail) that any good teacher would say that here lies the whole difference

between the old teaching and the new; between leading the child by the nose and cultivating in him the spirit of inquiry.

We turn to one or two matters as to which Mr. Newton appears to have abandoned the safe official attitude, the attitude of the open mind. Prominent among these is the subject of physical training. He notes the curious fact that, whereas in all other branches of instruction the Board has given up the practice of prescribing a uniform syllabus, in this branch the Board, acting on the advice of its medical officers, prescribes a syllabus from which it brooks no important deviation. He not only admits that both teachers and scholars are often bored by the exercises, but, to our intense satisfaction, he goes so far as to say that the central authority, if pressed by an important Local Authority, "could not maintain the quasi-papal infallibility of its medical officers, and the superiority of its authorized scheme over all other possible schemes." Coming from Mr. Newton, this is condemnation indeed. Another matter upon which Mr. Newton expresses a quite definite opinion is that of Nature study. He thinks it should not be compulsory, because many teachers have no taste for it. Of course the argument is rather dangerous, because if it were followed to its logical conclusion, no subject could be made compulsory. Still, we sympathize with Mr. Newton's point of view. The real fountain-head of efficiency in this kind of thing is the training college, and not until the training colleges have been able to send out a sufficient number of duly instructed teachers can any good result be obtained by making a subject compulsory in the schools. In making Nature study compulsory, the Board was wise too soon; and to be wise too soon is often equivalent to being foolish.

Mr. Newton devotes some interesting pages to a comparison of the study of education in the older training colleges and in the newer University training departments. We think there is much to be said for some of his implied strictures upon the courses offered in the latter, and especially upon the courses in the history of education. But on the whole we take leave to doubt whether he has grasped the main points at issue. At any rate, let a comparison be made between the current literature of pedagogy, *even on its practical side*, before and after the year 1890, when the University departments were first instituted, and we think that the professors of education may amply claim to have justified their policy of broadening the scope of the subject. We conceive the test to be a perfectly sound one, because the literature in question is a sure indication of the kind of thinking that has gone on in the colleges.

Space does not permit us to indulge in extensive quotation, but there is one passage for which we must find room. "It is hard," says Mr. Newton, "to say exactly what religious teaching the average parent of 1880-1902 really wanted, but my own observation led to the following conclusions. Most parents wished for some religious teaching. Whilst very few demanded definite Church of England teaching, large numbers did not seriously resent it. But for clerical pressure steadily applied, many children would have left the Roman Catholic schools for schools of an undenominational kind. In the main, the parental attitude was one of indifference. I believe that these conclusions hold good at the present day." Mr. Newton is studiously and, indeed, obstinately impartial, and such a judgment is all the more significant.

To be insensible to Mr. Newton's dry humour would be to write oneself down a very dull person. But we are left in doubt as to whether even he perceives the infinite drollery of some of the duties that have fallen to him as an Inspector: that, for instance, of measuring tone and discipline by sixpenceworths—one of the requirements of the "Mundella Code." And, to turn to that which is the opposite of humorous, we feel quite sure that neither he, nor perhaps any other Inspector, ever appreciated adequately the tragic side of "payment by results." The iron never entered into his soul as it did into the souls of those who were teachers and scholars at the time when Mr. Newton started his official career, and who were therefore among the unfortunate victims of Lowe's colossal blunder. That blunder, committed nearly sixty years

ago, has not even yet been lived down. It has affected the educational system as an hereditary taint may affect the physical frame, and its baneful influence is correspondingly difficult to get rid of.

That we place a high value upon Mr. Newton's book is, we trust, proved by our having reviewed its contents at considerable length. The author's long experience, his high official position, and his accurate mental habits, have enabled him to raise a multitude of issues in a form which challenges and deserves the respectful attention of anyone who is interested in English elementary schools. Unfortunately we have seen the last of him as an Inspector. We trust that we have by no means seen the last of him as a writer.

T. R.

THE TEACHING OF ENGLISH.

- (1) *An English Course for Schools.* By S. P. B. MAIS. (6s. net. Richards.) (2) *The New English Books.* By W. J. GLOVER. (Books I, II, 8d. each; Book III, 9d. Philip.) (3) *Outlines of the History of the English Language.* By Dr. E. CLASSEN (5s. net. Macmillan.) (4) *Studies in Literature.* By F. H. PRITCHARD. (2s. 6d. net. Harrap.)

"English" as a subject in the school curriculum has always been an elastic term. But most of us regard it as a definite training in self-expression and mental culture through the study of our native language and literature; and it is upon this interpretation that most of the books enumerated above make their appeal to the teacher of "English." It is obviously desirable to combine from the earliest stages these two strands of training. It is therefore with real pleasure that we see the series of New English Books (2) published by Messrs. George Philip & Son, for they provide a graduated course of English composition based upon sound and delightful literature, worked out upon a concentric plan in such a way that it can be begun and nearly finished in the primary schools. Would that all boys of the age of eleven had already mastered such a course before entering the secondary schools! For they would then have the essential background of technical fundamentals such as punctuation and accidence as well as an imaginative feeling for atmosphere and style. From such a start teachers could lead them on without a break to interests suitable to their maturer age.

Of some of these interests we can judge from Mr. Mais's book (1). Let us say at once that we hope that, in any future edition, Mr. Mais will omit entirely his first two chapters—Grammar and Syntax; Analysis, Parsing, and Synthesis. They are very bad. If the elements of English grammar are to be packed into a few pages, they must be stated lucidly and accurately; we must not be told, for instance, that "the verb 'do' cannot represent 'be,' or an active verb supplied from a passive, nor yet an active verb in a compound tense, gerund or infinitive"; nor must we be told that "a strengthened form of the personal pronoun is to be found in such words as 'yourself,' 'himself,' which are called reflexive." But, apart from these chapters, there is much to welcome in Mr. Mais's book. He has kept his object steadily in view, although he may not realize that his means of attaining it have already engaged the attention of most good teachers. His object "is to stimulate a love of English in the mind of the boy and girl of average ability, to enable them . . . to experience some of the delights that come from the appreciation of good writers, and to rouse in them a desire to emulate the great masters, so that they, in their turn, may write, if not beautifully, at least clearly and concisely." The means on which he relies are choice selections from English literature, chiefly letters, essays, a few poems, and Shakespeare. A few exercises are given on some of the sections. There is also a well chosen list of books, largely from the best known series of cheap reprints, to serve as a basis for a boy's private library. We think that Mr. Mais is rather optimistic as to the literary capabilities of "the boy and girl of normal ability," but we know that nearly everything here depends upon the enthusiasm and personality of the teacher.

The French, we know, have a great tradition in the teaching of the mother tongue. One of their most interesting methods is the *lecture expliquée*, and, of recent years, a good many adaptations of it to English have been published in this country. We have an example before us in Mr. Pritchard's book (4). The selections are well chosen for their purpose, the exercises are often interesting, and the lists for comparative reading are happily drawn up. Two things, however, strike us: that, after working through such a book, a boy will have a rather patchy acquaintance with English literature as a whole, and that the exercises tend to become stilted.

Why, for example, should one be expected to write an essay on rheumatism after reading Pope's "Solitude"? Would it not be better to take selections from an author or a work, and then for the class to examine in detail, under the guidance of a skilful master of his subject, those portions which by such treatment will throw into relief the features of an epoch, of a writer, of a type of literature, or even the underlying principles of all thought and style? But the worst service we can do to the study and the teaching of English is to discourage experiment; let us be grateful to Mr. Mais and to Mr. Pritchard and to Dr. Classen (3) (whose "Outlines" are fascinating in their broadness and in their detail), and wish them, as they deserve, all success in their efforts.

CLASSICS.

"TRANSLATIONS OF CHRISTIAN LITERATURE."

- (1) *Minucius Felix: The Octavius*. By J. H. FREESE. (3s. 6d.)
 (2) *St. Ambrose "On the Mysteries," and the Treatise "On the Sacraments."* By Rev. T. THOMPSON and Dr. J. H. SRAWLEY. (4s. 6d.) (S.P.C.K.)

(1) Very little is known of Minucius Felix, and it is difficult to fix the date of his work, which most scholars place between 160 and 250 A.D. There is a reference in it to Fronto (c. 100-170), and it is closely related to works of Tertullian and Cyprian, but this remarkable book, "a little work of gold," has a value independent of all this. It is a dialogue in the form of Cicero's "De Natura Deorum," in which Minucius himself, a somewhat late convert to Christianity, proposes to act as arbitrator. Caecilius Natalis attacks Christianity, and Octavius, who is visiting Rome from over the seas, defends it. Arbitration is not required, as Caecilius professes himself convinced by Octavius' argument. The work is also a tribute by Minucius to the memory of his friend Octavius, who has lately died. No mention is made of Jesus Christ, or of any of the mysteries or sacraments of Christianity, but it is more in the nature of an eighteenth-century argument addressed to educated and literary circles, of which Caecilius is a typical representative.

(2) These two treatises, by contrast with "The Octavius," deal entirely with "mysteries and sacraments." The authorship of the second is uncertain, but it is clearly of the same period as the first, about 400 A.D. Each consists of a series of addresses given in Easter week to adults baptized on Easter Eve, and they show the great care of the Church in instructing the baptized. Baptism was a much more elaborate ceremony then than it is now, when it is almost a mere form; and all the details are discussed and defended with a wealth of Scriptural quotation. The difference between the Roman and the Eastern ritual is commented on and explained, especially in the custom of the washing of feet at the end of the ceremony. These two editions have adequate introductions and foot-notes.

Lucretius on the Nature of Things.—Translated from the Latin into English Verse by Sir R. ALLISON. (7s. 6d. net. A. L. Humphreys.)

We recommend this book. The translation is remarkably literal without being bald, and the short introduction is excellent. It contains a brief appreciation of the "De Rerum Natura," and handles the few notices of Lucretius in ancient literature so skilfully that the reader can form quite a good conception of the poet; especially good is the account of the condition of Rome when Lucretius wrote. There is an appendix giving several of the maxims of Epicurus from Diogenes Laertius, and another one containing Hobbes's translation of Thucydides' account of the great plague at Athens. The book is beautifully printed and tastefully bound.

Key to Exercises on Rules for Latin Prose. By T. C. WEATHERHEAD. (7s. 6d. net. Cambridge University Press.)

We deprecate the need for the publication of this book. With Mr. Weatherhead's Latinity we have no fault to find; but we cannot help feeling that he and others like him do a disservice to education by producing such books as this, for they merely serve to perpetuate the existence of the incompetent teacher. Of two things one: either a teacher does not need Mr. Weatherhead's help for such elementary work as is covered by the present volume, or he has no business to be a schoolmaster. We have, however, one consolation: the price of the book is high, and schoolmasters are generally poor.

EDUCATION.

Paton's List of Schools and Tutors. (3s. J. & J. Paton.)

The twenty-second annual issue of this invaluable directory will receive a wide welcome. It is well described in a sub-title as an aid to parents in the selection of schools. Particulars of a large number of the best schools for boys and girls are brought together

in a concise and attractive manner, and lists of scholarships and exhibitions obtainable at the public schools are supplied. In addition useful information regarding preparation for the Services and the professions is provided. Parents will be glad to know that the publishers of the volume are able to supply prospectuses of any of the schools dealt with should they desire fuller particulars, and to have an assurance that unusual care has been taken to provide correct information concerning fees. We are sure the directory will secure the wide circulation its completeness deserves.

The Education (Scotland) Act, 1918, with Annotations. Edited by Dr. JOHN STRONG and Others. (4s. 6d. net. Oliver & Boyd.)

The new Professor of Education at Leeds University has marked his resignation from a Scottish Headmastership by publishing, with the help of a team of ten distinguished collaborators, an annotated edition of the text of the recent Scotch Education Act. The names of the commentators give a sufficient guarantee of the trustworthiness of the help they offer to the puzzled layman who attempts to apply the Act. Sometimes, it is true, the inexperienced reader may think that here and there an elucidation appears where it is hardly needed; but anyone who has had occasion to deal with a new Act is only too well aware that it is almost impossible to find a clause about which some one or other will not raise doubts and ask questions. Dr. Strong and his contributors have deserved well of the many officials and others who will have to expound the Act. Two useful appendixes increase the value of the volume: (1) a copy of Circular No. 1, and (2) a complete list of the members of the new Education Committees. There is a satisfactory index.

Catholic Education: a Study of Conditions. By the Rev. Dr. J. A. BURNS. (6s. net. Longmans.)

The conditions referred to in the title apply to America, but English readers will find much here that throws light upon the attitude of Catholics towards education in these islands. While the book is intended primarily for Catholics, Dr. Burns does not confine his appeal to them, and his presentation is sufficiently broad minded to be acceptable to all honest people. It is well to realize that in the year 1915 there were more than a million and a half pupils of elementary grade in Catholic schools in the United States, and 74,538 of secondary grade. It appears that the Catholics are not content with this result, but claim that the enrolment in Catholic schools is not quite half of what it ought to be. The cost of the Catholic schools amounts to over twelve million dollars a year, raised by voluntary contributions, and by next census year this is expected to be twenty millions. Education really costs much more than this, for the Catholic Church obtains the services of religious teachers either gratis or for a purely nominal salary. This gives a great advantage, which, added to the stability of their teaching service, enables enthusiastic Catholics to claim that their parish schools in America will soon be rather better than the public schools. The book contains much valuable and some surprising information for non-Catholic readers.

The Equipment of the Workers. An inquiry by the St. Philip's Settlement Research Society. (10s. 6d. net. Allen & Unwin.)

This volume, the result of investigations carried out by the St. Philip's Settlement Education and Economics Research Society, Sheffield, is more fully described on the title-page as an inquiry into the adequacy of the adult manual workers for the discharge of their responsibilities as heads of households, producers, and citizens. Mr. Fisher was to have written a preface, but for various reasons has felt compelled to cancel his promise; and as the society "has decided that a pilot inferior in standing to the President of the Board of Education is not worth having," the "volume is left to make its own way out to sea." How far this curiously worded decision is due to a sense of Mr. Fisher's merits, and how far to a sense of the Society's merits, we are left to guess. Anyhow, we think the book ought certainly to make its way, because it represents a solid and interesting piece of work, of a kind which is at once new and necessary. The Society finds that, of the male and female adult manual workers of Sheffield, about one quarter are "well equipped," nearly three quarters "inadequately equipped," and about one-fifteenth "mal-equipped," the three classes being otherwise described as rich, poor, and destitute in the spiritual sense. The first part of the book, after dealing with the effects of the war upon the workers, and upon the possibilities of large schemes of adult education, sets forth the method of investigation, and justifies the classification arrived at. The second part consists of extensive studies of representatives of each of the three classes, and the third part of intensive studies of the same. These studies are no less interesting than valuable, especially when one remembers that there is nothing exceptional about the population of Sheffield.

GEOGRAPHY.

Map Reading made Easy. By Capt. C. C. ESSON and G. S. PHILIP. (3s. 6d. net. Philip.)

During the last five years many books on map-reading have been published, largely due to the prominence given to the subject in the training of Army officers. The title of this book accurately describes its aim, for the writers assume that the schoolboy knows little or nothing about the subject and they proceed to instruct him in a most careful and thorough manner. Everything is made as simple as possible both in the descriptions and in the diagrams. The main divisions of the book deal with (a) the relief of the surface with special reference to contours; (b) direction by means of bearings; (c) distance measured on the map by the scale. After studying this book any intelligent boy would be able to do practical exercises in the field from an Ordnance map. Teachers are recommended, therefore, to examine the merits of this book before deciding on any other textbook.

"The Making of the Future."—*The Provinces of England.* By C. B. FAWCETT. (6s. 6d. net. Williams & Norgate.)

This is a thoughtful and well considered study of a most interesting problem—namely, the re-division of England into a number of provinces, each of which should be comparable in resources and population to the other countries of the British Isles. In the earlier chapters the writer gives a brief historical survey to show how the shires and counties originated; he then examines the existing political divisions of England and points out the complexity of the areas into which England is now divided for purposes of its local government, administration of justice, poor law administration, and so on. To bring order into the existing chaos, Mr. Fawcett proposes a division into provinces the areas of which shall be determined largely by the distribution of population at the present time. He therefore marks out each province round a certain centre of population, such as Birmingham, Sheffield, and Newcastle; he then analyses the growth and importance of these towns in relation to their geographical surroundings. An account is given of each of the proposed provinces, its extent, its boundaries, and the factors which make it more or less distinctly a unit area. The establishment of such provinces with simple boundaries closely related to the actual features of the land and the distribution of the people, would render possible a far greater economy of administration than under present conditions. This book is particularly suitable for boys in secondary schools who are taking an advanced course in geography or history.

An Outline of the Geography of the West Indies.

By J. E. BLACKMAN. (3s. net. Blackwell.)

Among the excellent geographies now published, it is somewhat surprising to find one of a type that is quite out of date. The writer of this little book is evidently unacquainted with the works of modern geographers and with the progress that the teaching of geography has made in the last twenty years. In this book the old-fashioned plan is followed of tabulating lists of islands, capes, bays, exports, imports, &c. The historical notes, to which the writer appears to attach some importance, add little interest to the book, for they consist of statements such as, "the island was discovered in 1493," "it was colonized by the French in 1635," and so on.

"Our Own and Other Lands Series."—*The Daughter Lands of Britain.* (2s. 6d. McDougall.)

This book is more suitable as a reading book than as a textbook of geography. Many chapters are devoted to the geography of the various parts of the British Empire, and several sections deal with the history of the Colonies. Two or three passages, quoted from well known authors, make most interesting lessons, such as "How Gold was found in Australia," from Charles Reade's "It's Never too Late to Mend," and "A Fight with Bushrangers," from Henry Kingsley's "Recollections of Geoffrey Hamlyn." In the account of a railway journey across Canada, the description is confined to the Canadian Pacific route; the two other trans-continental railways across Canada should have been mentioned. The illustrations form the most striking feature of the book; the coloured pictures are beautiful, and they are particularly useful because they show typical scenes in great variety. A few maps are inserted. The maps of India and Australia are too detailed for an elementary work, and the Map of the World (Mercator's projection), showing the British Empire in red, gives a misleading idea of the area of India in relation to Canada.

HISTORY.

A History of Spain. By C. E. CHAPMAN. (14s. net. New York: The Macmillan Co.)

The writer of this important and deeply interesting volume is Assistant Professor of History in the University of California. He is intimately familiar with the Spanish language and literature,

and he has qualified himself for the task of interpreting Spain to the world by a two years' residence in the Iberian Peninsula. He treats of the Spanish civilization rather than the detailed course of the political history of Spain, and he does so avowedly in order that he may foster a closer *entente* between the American people and the peoples of the numerous Republics of the Western Hemisphere who derive their culture from Hispanic sources. He has little to say concerning the relation of Spain to the general history of the European Continent. The basis of Dr. Chapman's work is the large and authoritative work of the greatest of living Spanish historians, Rafael Altamira; but a good deal of original research is incorporated. Particularly interesting to English readers is the light thrown on the part played by Spain in the American Revolution.

Days of History. By C. V. CALVERT and B. L. K. HENDERSON. (3s. Methuen.)

Under the title, "Days of History," Messrs. Calvert and Henderson, masters at the Haberdashers' School, have produced a volume of historical sketches which present several novel and instructive features. The sketches are frankly fictitious, but they adhere with the closest possible fidelity to established fact, and they follow a strictly chronological plan. They aim, indeed, at preparing the way for the study of history proper: first, by exciting the interest of the youthful reader, and, secondly, by giving in an easy manner a good deal of authentic information concerning all the leading episodes in the life of the English people. There are thirty-nine sketches in all, and they range from a description of the prehistoric maker of flint implements to an imaginary account of "How I first saw a railway train." The book makes a fascinating reader, its charm being greatly increased for the eyes of children by a dozen vigorous illustrations from the clever pencil of Miss Doris Williamson.

A Survey of Modern History. By H. W. HODGES.

(6s. net. Blackie.)

The period covered by this survey is the century from the Congress of Vienna to the outbreak of the Great War. It is not covered systematically in any sort of order, whether logical or chronological. Rather, its leading features are surveyed and described as they happen to present themselves to the errant eye, particular attention being paid to such as have escaped the eye of previous observers. This book, therefore, is not a textbook so much as a companion to the textbook. It is not so much a history of the nineteenth century as a commentary upon the history. As such it has great value. Mr. Hodges writes from full knowledge and with considerable clarity and skill. His accounts of such familiar processes as the rise of Prussia or the making of Italy do not add much to our textbook information. But when he depicts the development of the United States during the century, the British occupation of India and Egypt, and the chequered history of the Balkan States, he summarizes stories that are less hackneyed, and he gives instruction which is not always easily obtainable elsewhere. Hence Mr. Hodges's survey should be on the reference shelf of every classroom in which recent history is taught.

"The Making of the Future."—*Our Social Inheritance.* By V. BRANFORD and Prof. P. GEDDES. (6s. net. Williams & Norgate.)

This book is marked by great enthusiasm, extreme incoherence, and a new vocabulary. Its aim is to assist in the reconstruction of the world during the period now commencing. It sees the twin evils of "Prussianism and Profiteering" being swept away by "the rising tide of a new vitalism," whatever that may be, and it associates itself with those who find their hope of the future gathering round regionalism, idealism, and civism. The volume consists of three parts that have little or no connexion with one another. The first is entitled "The Past in the Present," and in it is advocated decentralization of government, the break-up of the Great Powers, and a return to the simpler life of small communities. The second part is devoted to "A Survey of Westminster," a study in the growth of a city such as Prof. Geddes develops with expert skill. Oh! that he would keep to this kind of work and avoid "Eutopias," as he calls them. The third part switches the reader off suddenly and violently to "Re-education, National and International." Altogether, the book is a curious hotch-potch, obviously concocted in extreme haste and from no definite prescription.

Citizenship: its Meaning, Privileges, Duties.

By F. R. WORTS. (4s. 6d. net. Hodder & Stoughton.)

The aim of this excellent volume in the "New Teaching" series is stated to be "to help the young student to know and to value both the privileges and the duties of the citizenship which awaits him or her." This aim is admirably achieved. The meaning of citizenship is clearly explained; the privileges are set forth in a

(Continued on page 844.)

BLACKIE'S NEW GIFT BOOKS

WITH ALLENBY IN PALESTINE:

A story of the latest crusade. By Lt.-Col. BRERETON. 5s. net.

WITH THE ALLIES TO THE RHINE:

The finish of the Great War. By Lt.-Col. BRERETON. 5s. net.

WINNING HIS WINGS:

A story of the R.A.F. By PERCY WESTERMAN. 5s. net.

THE THICK OF THE FRAY AT ZEEBRUGGE.

By PERCY WESTERMAN. 5s. net.

TRIUMPHS OF INVENTION.

By CYRIL HALL. 6s. net.

PIONEERS IN INDIA.

By Sir HARRY JOHNSTON. 3s. 6d. net.

WONDERTALES OF SCOTTISH MYTH AND LEGEND.

By DONALD A. MACKENZIE. 3s. 6d. net.

THE HEAD GIRL AT THE GABLES.

By ANGELA BRAZIL. 5s. net.

A HARUM-SCARUM SCHOOL- GIRL.

By ANGELA BRAZIL. 5s. net.

TRANSPORT GIRL IN FRANCE.

By BESSIE MARCHANT. 5s. net.

IMPOSSIBLE PEGGY.

By DOROTHY RUSSELL. 5s. net.

PHYLLIS IN FRANCE.

By MAY WYNNE. 4s. net.

THE CALL OF THE HOMELAND.

A collection of English Verse. Selected and arranged by R. P. SCOTT, LL.D., and K. T. WALLAS, M.A. Crown 8vo, decorated cloth, gilt top. 5s. net.

BLACKIE & SON, Ltd., 50 Old Bailey, E.C. 4.

HARRAP'S ENGLISH PUBLICATIONS

ENGLISH EXTRACTS AND EXERCISES.

For Comparative Study and Training in Composition. By F. H. PRITCHARD, Lecturer in Literature at the Municipal Technical School, Devonport. Third Impression. Crown 8vo. 240 pages. 2s. 6d. net. (*Prospectus free on application.*)

STUDIES IN LITERATURE:

Just ready.

By F. H. PRITCHARD, Author of *English Extracts and Exercises*. Crown 8vo. 224 pages. 2s. 6d. net. (*Prospectus free on application.*)

This volume follows the author's previous work, and provides a more advanced and detailed course.

LESSONS IN THE USE OF ENGLISH.

By MARY F. HYDE. Based upon the Author's earlier experimental books, and carefully edited to meet English requirements.

SECTION ONE

In Three Parts. For First Three Years. Price 10d. net each. Complete, cloth boards, 240 pages, illustrated. 2s. 6d. net.

SECTION TWO

Practical English Grammar, with Exercises in Composition.

Part I.—The Sentence and the Parts of Speech. Part II.—Sub-division of the Parts of Speech and Inflection. Part III.—Syntax. Part IV.—Structure and Analysis of Sentences. Part V.—Composition.

Parts I and II in one book, limp, price 2s. net.

Parts I, II, and III in one book, limp, price 3s. net.

Parts III to V in one book, limp, price 2s. net.

Complete in one volume, price 3s. 6d. net.

LESSONS IN SPEAKING AND WRITING ENGLISH.

A Six-Book Course. By JOHN M. MANLY, University of Chicago, and ELIZA R. BAILEY. Edited for English Schools by HERBERT LEATHER.

Book I. 56 pages. Sewed, 7d. net.

Book II. 80 pages. Sewed, 9d. net.

Book III. 80 pages. Sewed, 9d. net.

Book IV. 108 pages. Sewed, 1s. net.

Book V. 128 pages. Sewed, 1s. 6d. net.

Book VI. 160 pages. Sewed, 1s. 9d. net.

Section I.—Containing Books I to IV, 304 pages, 3s. 6d. net.

Section II.—Containing Books V and VI, 296 pages, 3s. 6d. net.

Teachers' Books to accompany the above in two volumes. Vol. I, 314 pages, 4s. 6d. net. Vol. II, 314 pages, 4s. 6d. net. (*Prospectus free on application.*)

A PRACTICAL COURSE IN INTERMEDIATE ENGLISH.

By EDWARD ALBERT, M.A., George Watson's College, Edinburgh. Third Edition. Crown 8vo. 272 pages. 3s. net.

This course is designed as an introduction to *A Practical Course in Secondary English*, of which Mr. Albert was joint Author.

A PRACTICAL COURSE IN SECONDARY ENGLISH.

By GEORGE OGILVIE, M.A., Broughton Junior Student Centre, and EDWARD ALBERT, M.A., George Watson's College, Edinburgh. Second Edition. With Complete Index. Crown 8vo. 500 pages. 5s. net.

Also in Three Parts:

Part I. Style. 184 pages. Limp. 2s. 3d. net.

Part II. Form. 176 pages. Limp. 2s. 3d. net.

Part III. History of the English Language. 160 pages. Limp. 2s. 3d. net.

Also Parts I and II in one volume. 350 pages. 4s. net.

PRACTICAL ENGLISH COMPOSITION.

By C. M. GERRISH, B.A., and M. CUNNINGHAM. Adapted and edited for English Schools by E. W. EDMUNDS, M.A. Second Edition. Large crown 8vo. 320 pages. 4s. net. Also Section I. 112 pages. 2s. net. Sections II and III. 224 pages. 3s. net.

A PRACTICAL TRAINING IN ENGLISH.

By H. A. KELLOW, M.A., late Head of the English Department, Allen Glen's School, Glasgow. Second Edition. Crown 8vo, 272 pages, with full Indexes, 3s. 6d. net.

Complete Catalogue and special Prospectus giving full particulars of our recent Books on English will be sent on application.

GEORGE G. HARRAP & CO., LTD.

Directors: GEORGE G. HARRAP & G. OLIVER ANDERSON.

2 & 3 Portsmouth St., Kingsway, London, W.C.2.

manner which is a sound corrective to the ignorant mania for revolution; its duties are emphasized in a way which should effectively stimulate the zeal for social service. The book is divided into four parts. The first describes in twelve chapters the working of the Central Government of the United Kingdom—its Parliament, its executive departments, its judicial establishments. The second treats of Local Government—the various administrative units, their functions, and their spheres of operation. Part three discusses generally "Citizenship and its Privileges," e.g. freedom, security, religious toleration, education, health. The last part is devoted to an enumeration of civic duties and a consideration of the grounds of obligation. The views expressed throughout are sane and moderate. The book is one that should be widely used in continuation schools and in adult reading circles.

MATHEMATICS.

The Analytical Geometry of the Straight Line and the Circle.

By J. MILNE. (5s. Bell.)

This book is intended to be an introduction to the formal study of analytical geometry, and, in view of the difficulties which beginners experience, the author has endeavoured to make the first steps as easy as possible. In the earlier chapters only the simplest equations relating to the straight line and circle are discussed, the more difficult forms being reserved for the later chapters. A distinctive feature of the book is the wealth of numerical examples and of illustrative diagrams, especially in the earlier part, where the stress is laid rather upon the arithmetical evaluation of equations than upon the relationships arising from algebraic form. There is some danger that this numerical work may be given too great prominence. After a boy has worked a couple of examples on finding the angle between a pair of lines, he ought to be able to find the angle between any pair; and it is sheer waste of time to make him work half a dozen. Knowledge of the general formula is the important matter: the rest is mere substitution. We are therefore afraid that, unless the reader works under the direction of a teacher who makes a judicious selection of a very small fraction of the total number of examples given, he will find his progress slow and tedious. The private student will find the examples worked in the text very helpful, and the answers give additional assistance.

Woolwich and Sandhurst Mathematical Papers, 1909-1918.

Edited by R. M. MILNE. (7s. Macmillan.)

The Elementary, Intermediate, and Higher papers set at the examinations for admission into Woolwich and Sandhurst preserve their well known characteristics, but in 1918 a separate paper in arithmetic was added to the elementary papers. Doubtless the authorities have realized that the slipshod inaccuracy which is an unhappy feature of much school arithmetic at the present time requires a corrective. Papers in elementary engineering for Naval Cadets were set for the first time in 1917. Candidates are expected to be able to apply the principles of mechanics to simple structures and mechanisms, and to be acquainted with the action of ordinary types of machinery. Mr. Milne provides answers to the questions.

SCIENCE.

Lectures on Sex and Heredity, delivered in Glasgow, 1917-18.

By F. O. BOWER, J. GRAHAM KERR, and W. E. AGAR. (5s. net. Macmillan.)

In these lectures the leading facts relating to sex in animals and plants are set out with a simplicity and breadth of view which should commend them to a wide circle of readers. The first two lectures deal respectively with the origin of sex in plants and with the effects of a fixed position on the sexuality of plants. In the third lecture the general principles of reproduction in animals, and in the fourth the modifications of the reproductive process entailed by life on land, are considered. In these four lectures the opportunity is taken of emphasizing the evolutionary aspect of the subject, and at the same time of preparing the ground for a discussion, in the fifth and sixth lectures, of heredity, with special application to man. We know of no other book of this size which puts so clearly for the lay mind the essentials of Mendelian inheritance, the question of the transmission of acquired characters, and various other matters on which there is much popular mystification. The book is attractively got up, and contains forty-nine helpful illustrations and a glossary of technical terms. Quite apart from their value to students of botany and zoology, which is considerable, the lectures should do much to focus attention on certain practical problems "which are vastly more vital to the real welfare of the human race than those political questions which usually absorb the energies of governments."

Recent Discoveries in Inorganic Chemistry. By J. HART-SMITH. (4s. 6d. net. Cambridge University Press.)

Mr. Hart-Smith has attempted to produce a live sequel to the

orthodox textbook. To be infallible is one of the essential claims of orthodoxy, and therefore the authors of this class of literature usually include only those statements which have passed unchallenged through the ages. The result is that the painstaking student at the end of his school career is some few decades out of date. This is particularly true of the chemistry of manufacturing processes as described in quite reputable treatises, and perhaps the author of the present monograph at some future date will assist his contemporaries in this direction. Nothing but praise can be accorded Mr. Hart-Smith. He has contributed a series of thoughtful chapters on recent chemical progress, which perhaps the teacher should have accumulated for himself, but which unfortunately the exigencies of time and space forbid. There is an admirable chapter on atomic and molecular structure, which may clarify the reader's ideas on isotopes, the quantum theory, and the structure of the atom. Then follow accounts of recent work in the various groups of the Periodic Classification, describing the progress of inorganic chemistry up to the end of 1917. It is not enough to say that the book should be in the hands of every teacher: it should be embodied in his lectures, and should give a little impetus to his own reading.

Fossil Plants: A Textbook for Students of Botany and Geology.

Vol. IV. By Prof. A. C. SEWARD. (£1. 1s. net. Cambridge University Press.)

This, the final volume of Prof. Seward's great textbook of palaeobotany, concludes his survey of the gymnosperms, dealing with the ginkgoales, coniferales, and gnetales. Although, to students of plant evolution, none of these ancient families has proved so interesting as the extinct cycads, they are of great importance to botanists and geologists alike. The first-named is now represented only by one living species, the maidenhair tree, which probably owes its survival to its cultivation as a sacred tree in the gardens of Buddhist temples. The coniferales, living and fossil, claim some three-fourths of the book, and are discussed in considerable detail. Prof. Seward considers that the araucarineae are both their most primitive and their oldest representatives. Particularly helpful is his criticism of the value, for purposes of classification of extinct conifers, of various vegetative features which have been relied on. Regarding the possible connexion between the gnetales (of which the curious *Welwitschia* of South Africa is the best known example) and the higher flowering plants, the author is non-committal. He does not attempt to deal with the fossil records of angiosperms, because he considers that at present no satisfactory estimate can be formed as to their value. The book is beautifully printed, and contains 190 excellent illustrations. We are glad to learn that Prof. Seward intends to supplement his textbook with a review of the floras of the past as an independent work for general readers.

Elementary Chemistry of Agriculture. By S. A. WOODHEAD. (3s. 6d. Macmillan.)

The author of this excellent preliminary manual has long been connected with agricultural chemistry, and he therefore writes with authority. Faced with the difficulty that most of his readers have little or no knowledge of the elements of chemistry, physics, and botany, he has attempted most successfully to give a few essential ideas at the beginning, and then to deal with others in so far as they are needed in the course. The book is largely experimental, and the student from the outset is brought face to face with facts. The main outlines of the course are: elementary principles and laboratory tests, the feeding and growth of plants, the principles of manuring; nitrogenous, phosphatic, and potassic manures; farm foods, milk and cream, butter, cheese; insecticides and fungicides. The book is admirably printed and illustrated, and should be found a valuable guide for the beginner.

VERSE.

The Measures of the Poets: a New System of English Prosody. By M. A. BAYFIELD. (5s. net. Cambridge University Press.)

English Prosody has long been in a chaotic state. Writers on the subject have confused quantity and stress and the results has too often been a wooden system of scansion that murdered alike quantity and accent, and now Mr. Bayfield has come along to tell us we have been following a false scent, and that even in blank verse the basal foot is not the iambic but the trochaic, and that the trochaic foot is the staple of the bulk of English verse. No doubt this will be a severe shock to the more conservative authorities on the subject; but the proof of the pudding is in the eating and the merit of Mr. Bayfield's system is that it works. No one who reads through the thousands of lines of which he gives the scansion can fail to be impressed by the superiority of his system. Lack of space precludes any detailed account of its main features, but one would especially commend the chapter on Metre and Rhythm. Mr. Bayfield takes us through the whole gamut of English verse,

(Continued on page 846.)

JAMES GRAY LTD.**HEATING ENGINEERS,****DANVERS ST. CHELSEA, S.W.3**

undertake heating & domestic supply for Colleges, Schools, Public Buildings, Factories, Offices, Private Houses, and every description of building. Schemes and estimates on application.

Telephone:
Western 201.

Telegrams:
Gray 201 Western London.

Teachers Registration Council

Representative of the Teaching Profession
(Constituted by Order in Council, Feb. 29, 1912).

In accordance with the above-mentioned Order, a

REGISTER OF TEACHERS

is now maintained by the Council.

For information apply to The Secretary,
Teachers Registration Council,
47 BEDFORD SQUARE,
London, W.C.1.

SCIENTIFIC APPLIANCES.

Electrical, Magnetic, Static, Optical, and Experimental Apparatus Parts and Materials.

Lenses, Achromatic or Plain, **Prisms**, **Mirrors**, and **Optical Goods**
Best Make, Second-hand P.O., and other Galvanometers, Relays, Electric, and Optical Instruments at

ONE-THIRD COST.

Insulated Wire, Ebonite, Solenoids, Lamps, Magnets, and Fittings for the **Student of Science**.

Telephones, Batteries, Morse Keys, and every aid for Radio and Telegraphic Experiments.

Our Celebrated Wimshurst Machines.

Enlarged Catalogues of both new and second-hand apparatus and all materials in preparation sent soon as ready.

Call or write for information. (H. J. DALE has had fifty years' experience.)

SCIENTIFIC APPLIANCES,

11 & 29 Sicilian Avenue, Bloomsbury Square, London, W.C. 1.

THE ONLY MAGAZINE OF ITS KIND!**"English"**

For Readers and Writers, Government Officials, Teachers and Preachers, Journalists, Business Men, Public Speakers and Private Students, and all Lovers of the English Language at Home and Abroad.

Edited by an Englishman.

Monthly, **6d.** (8d. post free). Annually, **7s. 6d.** post free.

The only Magazine in the British Empire devoted wholly to the English Language.

W. & G. FOYLE, LTD.,

121-125 CHARING CROSS ROAD, LONDON, W.C.2.

LANTERN SLIDES

OF

NATURAL HISTORY & SCIENTIFIC SUBJECTS.

Send for Catalogue "**E.**"

Also made to order from Clients' own originals.

MICROSCOPE SLIDES.

New comprehensive Catalogue in the press. Please apply.

MICROSCOPES, DISSECTING INSTRUMENTS, STAINS, CHEMICALS, AND ALL REQUISITES FOR BIOLOGICAL STUDENTS.

FLATTERS & GARNETT, Ltd.,
309 OXFORD ROAD (Opposite the University), MANCHESTER.

JUST PUBLISHED. Demy 8vo, **2s. 9d.** Post free.

REVISION ARITHMETIC, LOGARITHMS, SLIDE RULE, MENSURATION, SPECIFIC GRAVITY, AND DENSITY.

By **TERRY THOMAS, M.A., B.Sc., LL.B.,**
Haileybury College, Hertford.

LONDON: CROSBY LOCKWOOD & SON, 7 Stationers' Hall Court, E.C.4.

BOOKS. New or Second-hand.

ORDERS PROMPTLY DISPATCHED

Inquiries from readers of "The Journal of Education," at home or abroad, will receive the personal attention of

Mr. JOHN DAVIS (Successor to Mr. THOMAS LAURIE),
13 Paternoster Row, London, E.C.4.

PRINTING FOR SCHOOLS

GEORGE OVER

(Printer to Rugby School),

THE RUGBY PRESS, RUGBY.

Telegrams: "OVER, PRINTER, RUGBY."

Nat. Tel.: Rugby 126.

For all kinds of

TYPEWRITING.

Expert work only.

THE CAXTON TYPEWRITING CO.,
Caxton Buildings, Paton Street, Manchester.

whether blank or lyric, in all its varying forms. It is a work of great thoroughness and one that every teacher of English language and literature should possess.

IN our notice last month (page 768) of the Algebraic Cube, made by Messrs. Barnes & Morris, Ltd., one of the sentences was unfortunately printed in an incomplete form. It should have read: "It consists of a wooden cube of edge $a+b$, which is divided by three mutually perpendicular planes into eight parts, whose volumes represent the terms on the right-hand side of the formula."

BOOKS OF THE MONTH.

Classics.

- Tití Livi ab Vrbe Condita Liber XXII. Edited by J. Pyper. *Clarendon Press*. Price 2s. net.
 T. Macci Plavti Menaechmi. Edited by Dr. E. M. Knight. *Cambridge University Press*. Price 5s. net.
 Caesar: Books IV (20-38) and V of the Gallic War. Edited by R. W. Livingstone and C. E. Freeman. *Clarendon Press*. Price 2s. 6d. net.

Education.

- A New Educational Era. By A. Devine. Cheltenham: *E. J. Burrow*. Price 3d.
 Education through Settlements. By A. Freeman. *Allen & Unwin*. Price 1s. 6d. net.
 Blackie's Library of Pedagogics.—Happiness in the School. By C. W. Bailey. Price 2s. net.
 General Methods of Teaching in Elementary Schools, including the Kindergarten and Grades I-VI. By Prof. S. C. Parker. *Ginn*. Price 7s. net.
 Educational Principles and Missionary Methods. By R. Allen. *Robert Scott*. Price 7s. 6d. net.
 Engineering Education: Essays for English. Selected and edited by Prof. R. P. Baker. *Chapman & Hall*. Price 6s. net.
 The Manchester Grammar School, 1515-1915. By Dr. A. A. Mumford. *Longmans*. Price 21s. net.
 The Cambridge University Calendar for the Year 1919-20. *Cambridge University Press*. Price 15s. net.
 The University of Leeds: Calendar 1919-20. Leeds: *University*. Price 2s.

English.

- The Book of Really Good Recitations. Edited by B. Heitland. *Evans*. Price 4s. 6d. net.
 Word and Picture Lessons to Correct Common Spelling Mistakes. By A. K. Lockington. *Harrop*. Price 6d. net.
 How to Teach English Composition. Vol. I. By R. J. Finch. *Evans*. Price 3s. 6d. net.
 The Victory Readers.—Book V, price 1s. 3d.; Book VI, price 1s. 6d. *Nelson*.
 Imperial Readers.—Infant Primer, price 9d.; Infant Reader No. I, price 1s.; Infant Reader No. II, price 1s. 3d. *Bell*.
 The Children's Classics.—No. 46, Stories from Hiawatha. *Macmillan*. Price 6d.
 Macmillan's Pocket Classics.—Gray's Elegy and Cowper's John Gilpin's Ride. Price 1s. 6d. net.
 Boswell's Life of Johnson (Abridged). With Notes and Introduction by G. E. Jensen. *Harrop*. Price 2s. 6d. net.
 S.P.E.—Tract No. 1, Preliminary Announcement and List of Members, price 1s. net; Tract No. 2, On English Homophones. By Robert Bridges. Price 2s. 6d. net. *Clarendon Press*.

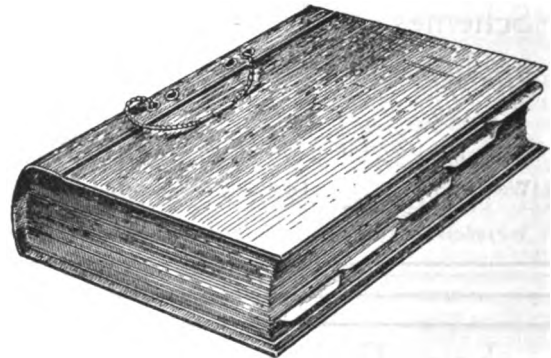
Fiction.

- A Harum-Scarum Schoolgirl. By A. Brazil. *Blackie*. Price 5s. net.
 With the Allies to the Rhine. By Lieut.-Col. F. S. Brereton. *Blackie*. Price 5s. net.
 The Flying Teuton and other Stories. By A. Brown. *Macmillan*. Price 6s. net.
 Bring—Brother. By F. I. Codrington. *S.P.C.K.* Price 4s. net.
 Where the Dolls Lived. By Mrs. H. C. Cradock. *S.P.C.K.* Price 4s. 6d. net.
 Barbara Picks a Husband. By H. Hagedorn. *Macmillan*. Price 6s. net.

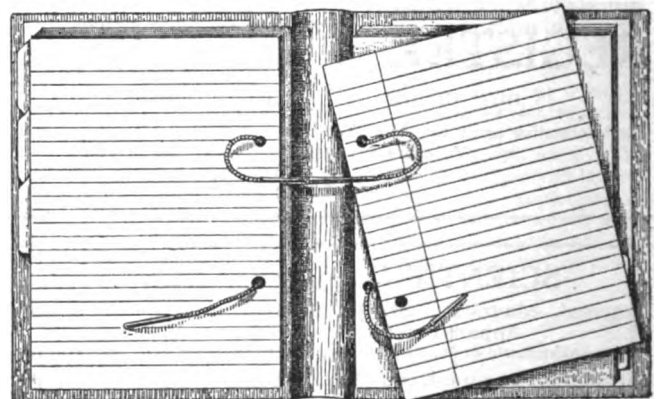
(Continued on page 848.)

WM. HUNT'S OXFORD "IDEAL" LOOSE-LEAF EXERCISE BOOK. (Patent.)

WM. HUNT'S Patent "Ideal" LOOSE-LEAF NOTE-BOOK constitutes the best and most convenient Higher Form and Science Class Exercise Book, Lecture Note Book, Loose-Leaf Scrap Book, Storage Covers for Notes, Letters and Papers of all sorts yet invented. The Book opens perfectly flat for writing, and binds up absolutely securely; can be un-made and re-made and the leaves transferred from one book to another or new leaves added in any manner without trouble and without risk of disarrangement or loss. No rings, posts, arches, or mechanism of any sort. Only one book necessary for many subjects, (each subject can be transferred to its own distinctive cover as convenient). 18 sizes and several qualities. Capacity one leaf or 300 with no lost bulk. "IDEAL" for preserving NOTES OF LECTURES and other matter in convenient and easily accessible form.



Showing the Book containing 300 sheets of paper closed. The Divisible Lace is here shown joined, by inserting the Pointed Tag into the Barrel Tag. When the Book is in use the Lace should be joined as above only. When not in use the lace ends may be tied in a bow knot.



Showing the manner of changing leaves. A leaf is shown withdrawn from one Divisible Lace before withdrawing it from the other.

PRICE LIST AND TERMS ON APPLICATION.

WILLIAM HUNT,
Manufacturing Academic Stationer,

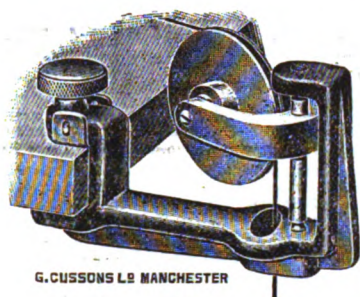
18 Broad St. (opposite Balliol College), OXFORD.

Works: 11 ST. ALDATE'S.

PULLEYS

FOR THE

Mechanical Laboratory



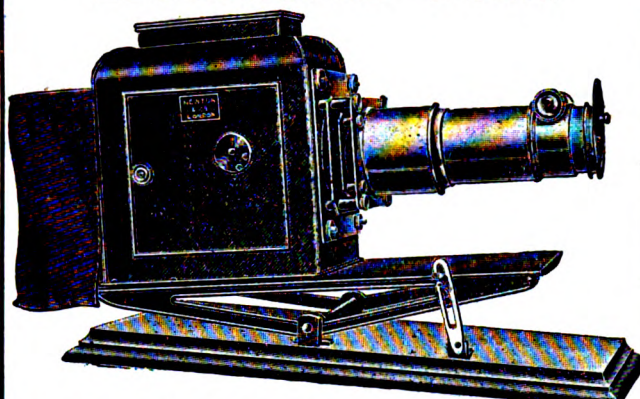
All types are now available from stock.
They are **ACOURATE, SENSITIVE, and SERVICEABLE.**

We specialize in equipment for
Experimental Mathematics.

G. CUSSENS, Ltd.,
THE TECHNICAL WORKS, MANCHESTER.
London Office: 231 Strand, W.C.2.

OPTICAL PROJECTION APPARATUS

FOR ALL CLASSES OF
EDUCATIONAL WORK.

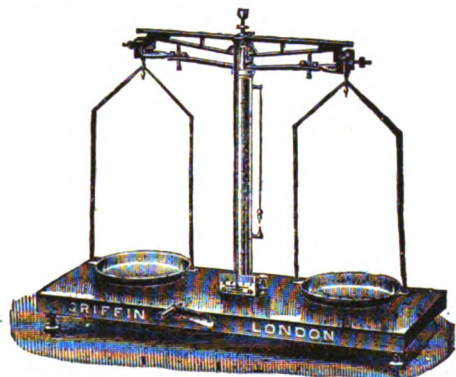


ELECTRIC ARC LAMPS, "HALF-WATT" METAL FILAMENT LAMPS, AND OTHER ILLUMINANTS FOR THE OPTICAL LANTERN.
PORTABLE SELF-CONTAINED LANTERN LIGHTING SETS.
Catalogue Section A, 1919 Edition, now ready. Post free on application.

NEWTON & CO.

(formerly of 3 Fleet Street),
72 WIGMORE STREET, LONDON, W.1.

JOHN J. GRIFFIN & SONS LTD.
KEMBLE STREET,
KINGSWAY, LONDON, W.C.2.
MAKERS OF PHYSICAL AND
ELECTRICAL INSTRUMENTS.



PHYSICAL BALANCES
MANUFACTURED BY
GRIFFIN, LONDON.

ESTABLISHED 1880.

A. GALLenkAMP
—& Co., Ltd.—

19-21 SUN STREET,
FINSBURY SQUARE,
LONDON, - - - E.C.2

BRITISH CAPITAL
BRITISH CONTROLLED

DIRECTORS—
H. G. JARROM
J. DAVIES
F. DIXON

DAVIES'
Double-Surface Condenser
of Glass.

Length of body	15	20	25	30 cm.
	15/-	17/-	21/-	25/- each.

List No. 618F.

DAVIES'
Double-Surface Condenser
of Nickel-plated Copper, tinned inside.

Length of body	15	20	25	30 cm.
	22/6	24/-	26/9	29/6 each.

List No. 618K.

Telephone—LONDON WALL 1404 & 1405.

Telegrams—"GALLenkAMP, FINSQUARE, LONDON."

- Who are the Cromlyns? By E. L. Haverfield. *S.P.C.K.* Price 5s. net.
- The Story-Teller. By M. Lindsay. *Harrop.* Price 5s. net.
- A Story Garden for Little Children. By M. Lindsay. *Harrop.* Price 5s. net.
- The Hills of Desire. By R. A. Maher. *Macmillan.* Price 6s. net.
- The Fallen Flier, or Camping in Canada. By J. Merivale. *S.P.C.K.* Price 2s. net.
- When Leaves were Green. By S. C. Morgan. *Heffer.* Price 6s. net.
- A Nest of Malignants. By D. Moore. *S.P.C.K.* Price 2s. 6d. net.
- Judy Sees it Through. By D. A. Pocock. *Blackie.* Price 3s. 6d. net.
- The Making of Mona. By M. Quiller-Couch. *S.P.C.K.* Price 3s. 6d. net.
- The Gilroy Family. By C. Spender. *S.P.C.K.* Price 2s. 6d. net.
- The Rising of the Tide. By I. M. Tarbell. *Macmillan.* Price 6s. net.
- The Virginian: A Horseman of the Plains. By O. Wister. *Macmillan.* Price 1s. 6d. net.
- The Wonderful Tale of the Trail of a Snail. By A. Wright. *Jarrols.* Price 3s. 6d. net.
- Valentine and Orson. Retold from the Original by S. R. Littlewood. *Simpkin.* Price 7s. 6d. net.

Geography.

- Philips' Smaller Schoolroom Map of Europe. Scale 1:6,000,000 (approx. 100 miles to 1 inch). Price 7s. 6d. net.
- Modern Atlas of Commerce. *Macmillan.* Price 1s. 10d. net.
- The Kingsway Book of Geography Lessons: Third Stage, Vol. I. By R. J. Finch. *Evans.* Price 4s. 6d. net.

History.

- Seventeenth Century Life in the Country Parish, with Special Reference to Local Government. By E. Trotter. *Cambridge University Press.* Price 10s. net.
- Edina Histories: Book IV, The Age of Strife (The Stuart Period, A.D. 1603-A.D. 1714). By A. L. Westlake and T. Franklin. *Macmillan.* Price 1s. 4d. net.
- An Analysis of Taswell-Langmead's English Constitutional History. By A. M. Wilshire. Fourth Edition. *Sweet & Maxwell.* Price 6s. 6d. net.
- The Making of Modern England. By Dr. G. Slater. *Constable.* 7s. 6d. net.
- The Making of Modern Wales. By W. L. Williams. *Macmillan.* Price 6s. net.
- Our Guardian Fleets in 1805. By H. W. Household. *Macmillan.* Price 3s. net.
- Poland the Unknown. Translated from the French of K. Waliszewski. *Heinemann.* Price 10s. 6d. net.
- Fifty Years of Europe (1870-1919). By Prof. C. D. Hazen. *Bell.* Price 14s. net.
- The Making of America. By Prof. F. C. de Sumichrast. *King.* Price 6s. net.
- The New Teaching Series.—Citizenship. By F. R. Worts. *Hodder & Stoughton.* Price 4s. 6d. net.

Mathematics.

- Unified Mathematics. By Prof. L. Karpinski, Prof. H. Y. Benedict, and Prof. J. W. Calhoun. *Harrop.* Price 10s. 6d. net.
- Mathematical Papers, March-July 1919. Edited by R. M. Milne. *Macmillan.* Price 1s. 9d. net.
- Elementary Calculus. By C. H. P. Mayo. *Rivingtons.* Price 10s.
- School Mechanics: Part I, School Statics (without Answers). By W. G. Borchardt. *Rivingtons.* Price 6s.
- Plane Trigonometry for Secondary Schools. By Dr. C. Davison. *Cambridge University Press.* Price 6s. 6d. net.
- Revision Arithmetic, Logarithms, Slide Rule, Mensuration, Specific Gravity, and Density. By Terry Thomas. Second Edition, Revised. *Lockwood.* Price 2s. 6d.
- Mensuration for Marine and Mechanical Engineers. By J. W. Angles. *Longmans.* Price 5s. net.
- Elements of Vector Algebra. By Dr. L. Silberstein. *Longmans.* Price 5s. net.

Miscellaneous.

- The Book of the Long Trail. By Sir Henry Newbolt. *Longmans.* Price 7s. 6d. net.
- Letters to a Young Man on Love and Health. By W. M. Gallichan. *Laurie.* Price 4s. 6d. net.
- Dancing. By E. Scott. Revised and Enlarged Edition. *Bell.* Price 4s. 6d. net.
- Causes and Consequences: A Book for To-day. By G. G. Samson. *Simpkin.* Price 2s. 6d. net.

(Continued on page 850.)

FROM Mr. HERBERT RUSSELL'S List of Books for Students and Teachers.

Concurrent Practical and Theoretical Geometry.

By W. J. POTTER, M.A. (Cantab.), Second Master, Roan School for Boys, Greenwich. Published in Three Parts.

Part I. Lines, angles, parallels, triangles, parallelograms. Contains the substance of Euclid, Book I, 1-34, with additions on Symmetry, Loc. Division of a Line, and Scale Drawing. Crown 8vo, 188 pp. Price 2s. 3d. net.

Part II. Circles, Inscribed and Circumscribed, Polygons, Areas. Contains the substance of Euclid, Books III, 1-34; IV, 1-9, 13-15; I, 35-48; II, 1-14 with additions. Crown 8vo, 249 pp. Price 2s. 6d. net.

Part III. Similar Figures. Contains the substance of Euclid, Books VI, III, 35-37; IV, 10-12 and 16, with additions including a course of Numerical Trigonometry. Crown 8vo, 266 pp. Price 3s. net.

Part IV (in preparation). The Geometry of Space.

Answers to the numerical and graphical examples in Parts I to III.

Price 1s. net.

A Complete Arithmetic.

By M. EASTWOOD, B.Sc., University Extension Lecturer, and formerly Lecturer on Education at the University of Liverpool, and J. LIGHTFOOT, D.Sc., M.A., Author of "Elementary and Intermediate Algebra," &c. Crown 8vo, 588 pp. Cloth 5s. 6d. net.

This book has been specially written for the use of students preparing for those examinations in which the Theory of Arithmetic and Higher Arithmetic generally are subjects. The whole of the matter usually included in elementary and advanced Arithmetic is thoroughly revised. Many improved methods of computation are given. Short methods for rapid work, approximations, and the applications of graphs are fully treated.

An Elementary & Intermediate Algebra.

By J. LIGHTFOOT, D.Sc., M.A. Crown 8vo, 472 pp. Cloth. 4th Edition. With Answers. 5s. 6d. net.

Covers all the Algebra required for the Preliminary and Intermediate Examinations at the Universities. Concrete Examples are introduced from the first, and the powerful Remainder Theorem is introduced early. A special feature is the very clear and interesting treatment of **Graphic Methods**.

Elementary Algebra Part I.

Price 3s. 6d. net.

The Senior Scientific Geography.

By ELLIS W. HEATON, B.Sc., F.G.S. Complete in one volume. Specially suited to the requirements of the Certificate Examination, the Oxford and Cambridge Senior Locals, the London Matriculation, and the Provincial Universities Matriculation. Also published in 8 parts. See catalogue. Crown 8vo, 661 pp., 384 Maps and Diagrams. Price 7s. 6d. net.

The Theory of Music for Students and Teachers.

By J. LIGHTFOOT, M.A., D.Sc., Mus. Bac.

Containing Staff Notation and Tonic Sol-fa. Crown 8vo, cloth, 295 pp.

(New and Enlarged Edition; containing three additional chapters dealing with Suspensions, the Chord of the Dominant 9th, Passing Notes, Sequences, &c., thus bringing the book up to Senior Local Requirements.)

Price 3s. 6d. net.

A Digest of British History.

By S. H. McGRADY, B.A. With an Introduction by OSCAR BROWNING. Crown 8vo, cloth, 320 pp.

Price 3s. 6d. net.

A History note-book on original lines, the great movements, trends, and developments being logically traced, and their influences clearly shown.

Also published in three parts as under:—

Part I.—B.C. to 1485. Part II.—1485 to 1789. Part III.—1789 to 1912. Price 1s. 4d. net each.

Freehand for Teachers & Art Students.

By E. A. BRANCH, Art Master, Central Secondary School, West Ham. Royal 4to, 79 pp. Price 3s. 6d. net.

Contains Thirty-two Photographic Representations, including Inlays, Patterns on Pottery, Textiles, Repoussé, Wrought Iron, Carved Work, and Natural Foliage, together with One Hundred Diagrams of Construction.

The Principles of Model and Common Object Drawing and the Shadow

Treatment of Outline Drawing. By E. A. BRANCH, Art Master, Central Secondary School, West Ham. Royal 4to, 98 pp. (New edition now ready.) Price 4s. net.

Complete Catalogue and Detailed Prospectuses post free on application to

HERBERT RUSSELL,
35 and 36 Temple Chambers, London, E. O. 4.

THE LONDON LITERARY LOUNGE.

THE BOOKSHOP THAT APPEALS TO BOOKLOVERS.



At this address may be found the latest books on all subjects—Art, Science, and Technology being especially provided—and this in a place of quiet where the booklover can leisurely look through book after book till he find the volume he would wish to possess.

"... the latest books are lined up for intimate inspection; the obligation to purchase, which one feels in an ordinary bookshop, is non-existent." The "Morning Post."

School books can be supplied at the shortest possible notice.

We hold a large stock of Remainders (new books at greatly reduced prices), particularly in works of History, Biography, and Travel: a List of these and a Catalogue of the Latest Publications may be had on application.

TRUSLOVE & HANSON, Ltd., 14^A CLIFFORD STREET (one door from Bond Street), W. 1.

Blackboards cannot become Shiny

in use, if covered with

Proctor's "Defiance" (Trade Mark)
Slate Composition.

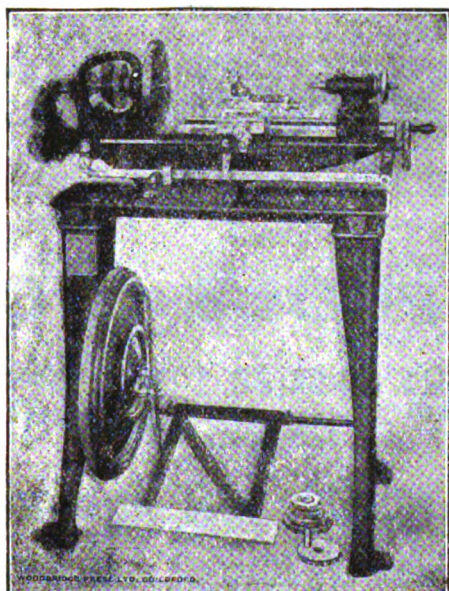
THE PERFECT BLACKBOARD SURFACE.

Samples, Prices, &c., from

JOHN M. PROCTOR & CO.,
St. Anne's Institute, Island Street, Nottingham.

DRUMMOND LATHES

Are right at the Front.
The important part played by Lathes in the present war cannot be exaggerated. A knowledge of Lathe Work means that at all times you are "Right There" and your services indispensable. DRUMMOND LATHES stand for the "HALL MARK" of Accuracy, and in the education of all a good knowledge of Lathes and their uses is invaluable. The 3½ in. Lathe illustrated below is low in price, but capable of the highest class work.



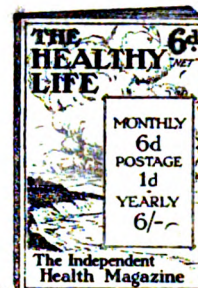
As supplied by the British Admiralty.

Catalogues on application to **DRUMMOND BROS., Ltd.,** VIEW HILL, GUILDFORD.

THE HEALTHY LIFE

seeks to give expression to ideas which hold in them the promise of a sweeter and cleaner life for all. Which is one reason why its circle of readers is continually growing.

¶ Send 7d. for the current Number to "The Healthy Life" Book Shop, 41 Margaret Street, London, W. 1. The organization of the Book Shop is at your service. Any book will be quickly dispatched to your order.



THE ROYAL NAVAL COLLEGE, OSBORNE

For information relating to the entry of Cadets, Parents and Guardians should write for "**How to become a Naval Officer**" (with an Introduction by Admiral the Hon. Sir E. R. FREMANTLE, G.C.B., C.M.G.), containing an illustrated description of life at the Royal Naval Colleges, at Osborne and Dartmouth, post free on application to GIEVES, Limited, 21 Old Bond Street, London, W. 1.

Special Entry of Naval Cadets.

The Secretary of the Admiralty announced through the Press on the 17th July, 1919, that the scheme of Special Entry to Naval Cadetships, which was instituted in 1913, will be continued for a further four years. The examinations are held annually in June, and candidates are required to be not more than 18½, nor less than 17½, years of age on June 1st.

Regulations can be obtained on application to

GIEVES, Limited,
"ROYAL NAVY HOUSE," 21 Old Bond Street,
LONDON, W. 1.

Herbert Tingle: And Especially his Boyhood. By J. R. C. Hall. S.P.C.K. Price 3s. 6d. net.

Pitman's Shorthand and Typewriting Yearbook and Diary for 1920. Edited by H. Downs. Price 1s. net.

The Fairy Green. By Rose Fyleman. Methuen. Price 3s. 6d. net.

Modern Languages.

Harrap's Bilingual Series.—Italian-English: The Story of Romeo and Juliet, by M. Bandello. Spanish-English: Selected Stories of W. W. Jacobs. German-English: Gernmelshausen, by F. Gerstäcker. French-English: Selected Stories of W. W. Jacobs. Price 1s. 6d. net each.

Harrap's Modern Language Series.—Il Piccolo Vocabolario. By M. Ferlin. Price 8d. net.

A Spanish Course: Literary and Commercial. By Dr. E. A. Woolf. E. Arnold. Price 5s.

Antoine Rivarol: De l'Universalité de la Langue Française. Edited by Dr. W. W. Comfort. Ginn. Price 2s. 3d. net.

Aucassin et Nicolette. Edited by F. W. Bourdillon. Longmans. 4s. 6d. net.

Longmans' Modern French Course, Part III. By T. H. Berten-shaw. Price 3s. 6d.

French Series for Rapid Reading.—Une Guerre en Sonora: Le Saltéador. Par G. Ferry. Macmillan. Price 1s. 3d.

Music.

Seven Spiritual Songs (of Shakespeare's Time). Words and Music by Dr. T. Campion (1567-1620). Adapted and Arranged for Use in Churches and Choral Societies at the Present Time. Cambridge University Press. Price 2s. 6d. net.

Batch of Vocal and Instrumental Music from Weekes.

Religious Knowledge.

Texts for Students: No. 10, The Epistles of St. Ignatius. Edited by Dr. T. W. Crafer. S.P.C.K. Price 1s. net.

A Simple History of the English Church. By A. A. Parker. Robert Scott. Price 3s. 6d. net.

A Guidebook to the Biblical Literature. By Prof. J. F. Genung. Ginn. Price 10s. 6d. net.

Selections from Josephus. Translated by H. St. J. Thackeray. S.P.C.K. Price 5s. net.

A Book about the English Bible. By Prof. J. H. Penniman. Macmillan. Price 10s. net.

Science.

Chemistry and its Mysteries. By C. R. Gibson. Seeley, Service. Price 4s. 6d. net.

The Profession of Chemistry. By R. B. Pilcher. Constable. Price 6s. 6d. net.

Notes on Magnetism for the Use of Students of Electrical Engineering. By C. G. Lamb. Cambridge University Press. Price 5s. net.

A Preparatory Course to Machine Drawing. By P. W. Scott. Pitman. Price 1s. 9d. net.

Elements of Physics. By Dr. R. A. Houston. Longmans. Price 6s. net.

Elementary Biology. By B. C. Gruenberg. Ginn. Price 7s. net. Palæontology: Invertebrate. By H. Woods. Fifth Edition. Cambridge University Press. Price 12s. 6d. net.

A Textbook of Hygiene for Training Colleges. By M. Avery. Methuen. Price 7s. 6d. net.

Birds in Town and Village. By W. H. Hudson. Dent. Price 10s. 6d. net.

The Mind of a Woman. By Dr. A. T. Schofield. Methuen. Price 3s. net.

Human and Industrial Efficiency. By Dr. H. Chellaw. University of London Press. Price 3s. 6d. net.

Scientific Method: Its Philosophy and its Practice. By F. W. Westaway. New Edition. Blackie. Price 10s. 6d. net.

The Realities of Modern Science. By J. Mills. Macmillan. Price 10s. 6d. net.

Our Lesser Brethren. By William Brown. Headley Bros. Price 2s.

Pioneers of Progress.—Herschel. By the Rev. H. Macpherson.—Joseph Dalton Hooker. By Prof. F. O. Bower. S.P.C.K. Price 2s. net each.

Just Look! or, How the Children Studied Nature. By L. B. Thompson. Gay & Hancock. Price 5s. net.

The New Teaching Series.—Chemistry from the Industrial Standpoint. By P. C. L. Thorne.—Applied Botany. By G. S. M. Ellis.—Foundations of Engineering. By W. H. Spikes. Hodder & Stoughton. Price 4s. 6d. net each.

TEACHERS OF GEOGRAPHY. ASSOCIATE, R.S.G.S.

With the object of helping to promote the teaching of Geography in Schools, "Teacher Associates" are admitted to certain privileges of the Royal Scottish Geographical Society at the reduced subscription of Half-a-Guinea. The privileges are limited to the use of the Society's Rooms, receipt of the Quarterly Magazine, the right to borrow from the Library, and one ticket for the Society's meetings. The Magazine will also be sent on the same terms to any School or College on receipt of a signed application from its Head. Prospectus and Syllabus of lectures may be had on application to the SECRETARY, Synod Hall, Castle Terrace, Edinburgh.

THE "POSITIVE" ORGAN IS IDEAL FOR COLLEGES AND SCHOOLS.

It represents the finest value offered in Organ Building, and is a real pipe organ, not an American reed organ.

Over 900 supplied, including many Cathedrals and Colleges all over the world.

Highest testimonials. Send for Catalogue "S."

POSITIVE ORGAN Co., Ltd., 44 Mornington Crescent, London, N.W.1.

DRILL OR GYM SHOES. Plain canvas, with stout rubber soles, 10's to 2's at 3s. 11d. 3's to 7's at 4s. 6d.

GYM SHOES. Black canvas, with chrome leather soles sewn on. 12's to 1's at 4s. 11d. 2's to 6's at 5s. 11d.

DANCING SANDALS. Black glacé kid, hand sewn, sizes 2's to 7's at 12s. 9d. Best quality at 14s. 9d.

Samples of any sent to Mistresses on request, and special terms on quantity orders.

**MADDOCK & SON,
SPORTS AND GAMES SHOE MAKERS,
272 FULHAM ROAD, LONDON, S.W.10.**

If you need BOOKS FOR ANY EXAMINATION,

Write to

J. POOLE & CO.,
104 Charing Cross Road,
LONDON, W.C.2,

For a Quotation before trying elsewhere.

BOOKS BOUGHT AT GOOD PRICES.

TEACHERS REGISTRATION COUNCIL.

REPRESENTATIVE OF THE TEACHING PROFESSION.

(Constituted by Order in Council of 29 Feb., 1912.)

The Council desires to make known to all

UNREGISTERED TEACHERS

that

1. The full **Conditions of Registration** will come into force at the beginning of the year 1921. Up to **31st December, 1920**, teachers may be admitted to Registration on proof of **experience alone**, under conditions satisfactory to the Council. After that date proof of **attainments** and **professional training** will be required.
2. The **Official List of Registered Teachers** is now being revised. Entries for the Revised List will close on **Wednesday, 30th June, 1920**.
3. On and after the same date, **Wednesday, 30th June next**, the uniform fee for Registration will be **Two Pounds**, instead of **One Guinea** as at present.
4. Registered Teachers may count their teaching service prior to 1st April, 1919, as **Qualifying Service for Superannuation**, where the service has been accepted by the Council.

Teachers who are not already Registered should complete the form below and post it without delay to the Offices of the Council.

To the Secretary,

TEACHERS REGISTRATION COUNCIL,

47 Bedford Square,

London, W.C. 1.

Please forward Form(s) of Application for Registration to

Name.....

Address.....

J.E.

RECENT AND STANDARD TEXT-BOOKS

CLASSICS.

ONE-TERM SERIES OF LATIN CLASSICS.

Cicero's *Pro Milone*. Edited by C. E. LAURENCE, M.A., Assistant Master of Haileybury College. 1s. 3d.
 Livy's *Veii* and the Etruscan Confederacy. Edited by S. E. WINBOLT, M.A., Christ's Hospital, West Horsham. 1s. 3d.

FABULAE ANTIQUAE. By A. M. CROFT, B.A., Girls' Modern School, Leeds. Illustrated, with or without Full Vocabulary. 2nd Edition. 1s. 6d.

ILLUSTRATED CLASSICS. 52 volumes, including Caesar's *Gallio War*, Virgil's *Aeneid*, Cicero, Ovid, Livy, Horace, &c. Each volume carefully edited, with Introduction, Full Notes, and Vocabulary. 1s. 9d. each.

SIMPLIFIED LATIN CLASSICS. Edited by S. E. WINBOLT, M.A., Christ's Hospital. Nine volumes drawn from Caesar, Virgil, Livy, &c. Simplified as to text, fully illustrated, with Notes and Vocabularies. 1s. 6d. each.

ILLUSTRATED LATIN READERS. Edited by E. C. MARCHANT, M.A. With short Notes and Vocabularies. In three volumes: *Scalae Primae*, *Scalae Mediae*, *Scalae Tertiae*. 1s. 6d. each.

FOR THE DIRECT METHOD.

VIA RŌMĀNA. By F. GRANGER, Professor of Latin at the University College, Nottingham. Crown 8vo. Illustrated. With or without a full Latin-English Vocabulary. 1s. 9d. net.

School World.—"The book is worthy of sincere recommendation; it is certainly the best first-year book on direct method lines which we have yet seen."

PONS TIRŌNUM. A First Latin Reader on "Direct Method" lines. By R. B. APPLETON, M.A., and W. H. S. JONES, M.A., both of the Perse School, Cambridge. Crown 8vo. Illustrated. With Summary of Grammar Exercises and Latin Vocabulary. 2nd Edition. 1s. 6d.

Educational News.—"This excellent preliminary Latin Reading Book will soon find a place for itself on the classical side of schools. An *Ars Grammatica* and *Index Verborum* add value to the book."

FABULAE: VIRGINIBUS PUERISQUE AUT NARRANDAE AUT RECITANDAE. A Latin Reader on "Direct Method" lines for Second and Third Year Pupils. By R. B. APPLETON, M.A. Crown 8vo. Illustrated. 2s. 6d.

Educational Times.—"The material is excellent for that purpose, and has evidently been selected with great care from a wide range of authors."

ENGLISH.

A PRACTICAL COURSE IN ENGLISH. By E. J. BAILEY, B.A., Whitgift Grammar School, Croydon. Crown 8vo. 4th Edition. 2s. 6d.

Educational News.—"Practical knowledge is to be recognized in every page of this excellent manual."

AIDS TO THE WRITING OF ENGLISH COMPOSITION. For Lower Forms. By FRED W. BEWSHER, B.A., Assistant Master at St. Paul's School. 4th Edition. 1s. 9d. net.

Schoolmaster.—"A thoroughly helpful and reliable guide to composition."

EXERCISES IN ENGLISH. Including Dictation, Reproduction, Analysis, Parsing, Classification, Synonyms, Meaning of Words, &c., with Explanation of Methods and Grammatical Terms. By FRED W. BEWSHER, B.A. 3rd Edition. 1s. 9d. net.

MASON'S NEW ENGLISH GRAMMARS. Revised in accordance with Modern Requirements, by A. J. ASHTON, M.A.
 Junior. 11th Edition. 1s. 9d.
 Intermediate. 5th Edition. 2s. 6d.
 Senior. 5th Edition. 3s. 6d.

AN OUTLINE HISTORY OF ENGLISH LITERATURE. By W. H. HUDSON, late Staff Lecturer in English Literature to the Extension Board, London University. Crown 8vo. 6th Edition. 3s. 6d. net.

REPRESENTATIVE PASSAGES FROM ENGLISH LITERATURE. A companion volume to the above. Crown 8vo. 3rd Edition. 3s. net.

A SHORT HISTORY OF ENGLISH LITERATURE IN THE NINETEENTH CENTURY. By W. H. HUDSON. Crown 8vo. 2nd Edition. 3s. 6d. net.

SHAKESPEARE FOR SCHOOLS. Edited by S. P. B. MAIS, M.A., Assistant Master at Tonbridge School. Pott 8vo. With numerous illustrations by BYAM SHAW. Sixteen volumes now ready. 1s. 6d. each.

SHORT ENGLISH TEXTS. Edited by S. E. WINBOLT, M.A., Christ's Hospital, Horsham. Fcap. 8vo. With Biographical and Critical Introductions, and Glossaries where necessary. Twenty-two volumes, covering a wide field of literature. Strongly bound in cloth. 8d. net each.
 [Full List on Application.]

HISTORY.

THE EXPANSION OF BRITISH INDIA. A Source-Book of Indian History, 1818-1858. By G. ANDERSON, M.A., Professor of History, Elphinstone College, Bombay; and M. SUHEDAR, B.A., B.Sc. (Econ.), London, Barrister-at-Law, Professor of Political Economy, University of Calcutta. Demy 8vo. 4s. 6d.

English Historical Review.—"The extracts are well chosen, the comments are sober and judicious, as well as genuinely explanatory. Indeed, we have rarely seen a book of the kind so well done."

ENGLISH HISTORY SOURCE-BOOKS. Joint Editors: S. E. WINBOLT, M.A., Christ's Hospital, Horsham; KENNETH BELL, M.A., Fellow of All Souls College, Oxford. Crown 8vo.
 17 volumes, covering the period from 449-1887. 1s. 6d. net each.

ALSO A SOURCE-BOOK OF LONDON HISTORY.

By P. MEADOWS. 1s. 9d. net.

CANADA. 1535-1913. By JAMES MUNRO, M.A. 1s. 6d. net.

A HISTORICAL COURSE FOR MIDDLE FORMS.

By B. L. K. HENDERSON, M.A., D.Lit., and P. MEADOWS, M.A., Assistant Masters at Haberdashers' Aske's School, Cricklewood. In 4 vols. Crown 8vo, 2s. 6d. each.

Vol. I.—WESTERN EUROPE. 4th Edition.

Vol. II.—THE ENGLISH NATION: INDUSTRIAL AND SOCIAL HISTORY. 2nd Edition.

Vol. III.—THE ENGLISH NATION: CONSTITUTIONAL HISTORY.

Vol. IV.—THE ENGLISH NATION: POLITICAL AND GENERAL HISTORY.

School World.—"The history is good, but the special feature is that at the end of each short chapter are given extracts from contemporary sources, and a few questions based largely on those sources, and requiring thought for their answer. A good idea."

ILLUSTRATED HISTORIES OF ENGLAND.

By GEORGE GUEST, B.A., J.P., Head Master of St. Paul's School, Bournemouth. In three volumes. Crown 8vo.

AN IMPERIAL HISTORY OF ENGLAND. 2s.

Mr. Guest's aim in this book is to explain in simple language "why England engaged in the many wars and voyages of discovery, the result of which has made her one of the world's greatest powers."

A SOCIAL HISTORY OF ENGLAND. 2s. 6d.

Educational Times.—"Will prove a valuable companion to the ordinary history book. . . . An excellent and timely volume."

A CONSTITUTIONAL HISTORY OF ENGLAND.

2s. 6d.

Teacher's World.—"Without doubt it is one of the best books on the subject. . . . It is so clearly written that it will not be difficult for the youngest to understand."

BELL'S HISTORY COURSE.

FIRST LESSONS IN ENGLISH HISTORY. Crown 8vo.

102 pp., with numerous illustrations. 5th Edition. 1s. 6d.

A JUNIOR HISTORY OF ENGLAND. By E. NIXON, late Head Mistress of Junior School, Specialist in History, Ladies' College, Cheltenham. 7th Edition. Crown 8vo. 254 pp., with 66 illustrations. 2s. 6d.

A SENIOR HISTORY OF ENGLAND. By A. E. McKILLIAM, M.A., University of St. Andrews. Crown 8vo. With numerous illustrations. 3rd Edition. 3s.

OUTLINE OF ECONOMICS. By R. E. NELSON, B.A., Assistant Master in Beath Higher Grade School and in Fife Mining School, Cowdenbeath. 2nd Edition. Crown 8vo. Limp cloth. 2s.

GEOGRAPHY.

THE BRITISH EMPIRE BEYOND THE SEAS. An

Introduction to World Geography. By MARION I. NEWBIGIN, D.Sc., Editor of "The Scottish Geographical Magazine." With upwards of 30 Maps. Crown 8vo. 3rd Edition. 4s. 6d.

Intended for use in upper and middle forms, where a rudimentary acquaintance with world geography and more detailed study of the British Islands may be assumed.

Educational News.—"Dr. Newbigin is now recognized as one of our foremost authorities on Geography, and has produced a stimulating book. We cordially commend it to those teachers who desire a manual that will afford much food for reflection and that will vitalize their teaching."

TWO IMPERIAL READERS.

HIGHWAYS OF THE WORLD. A Reader correlating Commercial Geography and Economic History. By A. E. McKILLIAM, M.A. With numerous Maps and Plans. 4th Edition. Revised. 2s.

THE BUILDING OF THE BRITISH EMPIRE. By E. M. RICHARDSON, B.A. Crown 8vo. 3rd Edition. With illustrations, Maps, and Plans. 2s.

IN MANY LANDS. A new series of Geographical Story Readers. By SAMUEL GIMSON. Printed in large, bold type, and illustrated in colour and black and white, chiefly from direct copyright photographs of the scenes depicted. Now ready, Books I and II. 3rd Edition. 1s. 6d. each.

G. BELL & SONS, LTD., YORK HOUSE, PORTUGAL STREET, W.C. 2.

This book is DUE on the last
date stamped below

JUN 22 1963

11m-8,'62 (D1236) 470

UC SOUTHERN REGIONAL LIBRARY FACILITY



D 000 296 496 3

UNIVERSITY OF CALIFORNIA

LOS ANGELES
LIBRARY

